

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010219\
 Data File : VN053247.D
 Acq On : 2 Jan 2019 17:07
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 9:55:48 AM

Quant Time: Jan 03 02:59:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	862141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1279859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1157508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	489326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	431684	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.59	113	378274	64.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.40%	
50) Toluene-d8	10.09	98	1600655	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	561809	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	408372	46.802	ug/l	99
3) Chloromethane	2.06	50	482935	45.674	ug/l	99
4) Vinyl Chloride	2.19	62	497975	46.503	ug/l	100
5) Bromomethane	2.56	94	354664	47.804	ug/l	98
6) Chloroethane	2.71	64	305334	48.144	ug/l	98
7) Trichlorofluoromethane	3.02	101	686782	51.483	ug/l	98
8) Diethyl Ether	3.41	74	254922	50.654	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	456141	53.629	ug/l	98
10) Methyl Iodide	3.96	142	597573	50.029	ug/l	99
11) Tert butyl alcohol	4.77	59	105361	197.366	ug/l	98
12) 1,1-Dichloroethene	3.74	96	406292	49.443	ug/l	98
13) Acrolein	3.60	56	124664	257.543	ug/l	100
14) Allyl chloride	4.32	41	647540	50.874	ug/l	97
15) Acrylonitrile	4.98	53	744086	250.895	ug/l	99
16) Acetone	3.81	43	506915	295.504	ug/l	95
17) Carbon Disulfide	4.06	76	1067622	39.839	ug/l	100
18) Methyl Acetate	4.32	43	428910	54.988	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1124267	51.126	ug/l	100
20) Methylene Chloride	4.55	84	477084	50.985	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	432805	49.022	ug/l	100
22) Diisopropyl ether	5.95	45	1487849	54.763	ug/l	98
23) Vinyl Acetate	5.89	43	4149028	265.573	ug/l	99
24) 1,1-Dichloroethane	5.85	63	853632	52.874	ug/l	100
25) 2-Butanone	6.83	43	772784	268.430	ug/l	97
26) 2,2-Dichloropropane	6.82	77	639915	51.924	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	520346	52.060	ug/l	100
28) Bromochloromethane	7.19	49	372888	53.302	ug/l	96
29) Tetrahydrofuran	7.21	42	521544	242.560	ug/l	98
30) Chloroform	7.37	83	844235	53.232	ug/l	99
31) Cyclohexane	7.65	56	766921	50.664	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	702685	52.011	ug/l	99
36) 1,1-Dichloropropene	7.79	75	642201	52.278	ug/l	100
37) Ethyl Acetate	6.92	43	354849	51.744	ug/l	99
38) Carbon Tetrachloride	7.77	117	607657	53.967	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	752743	50.441	ug/l	98
40) Benzene	8.04	78	1942110	53.150	ug/l	99
41) Methacrylonitrile	7.17	41	221086	55.797	ug/l	92
42) 1,2-Dichloroethane	8.12	62	570191	52.822	ug/l	99
43) Isopropyl Acetate	8.16	43	660138	49.737	ug/l #	91
44) Trichloroethene	8.83	130	531811	50.319	ug/l	98
45) 1,2-Dichloropropane	9.12	63	524923	55.153	ug/l	100
46) Dibromomethane	9.21	93	290355	52.369	ug/l	99
47) Bromodichloromethane	9.40	83	646918	54.891	ug/l	100
48) Methyl methacrylate	9.19	41	335168	50.367	ug/l	98
49) 1,4-Dioxane	9.19	88	63925	759.407	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1735940	261.389	ug/l	99
52) Toluene	10.15	92	1207249	53.304	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	653587	52.738	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	770654	54.176	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	425207	53.815	ug/l	99
56) Ethyl methacrylate	10.43	69	545917	52.200	ug/l	97
57) 1,3-Dichloropropane	10.71	76	727652	53.704	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1466016	255.338	ug/l	99
59) 2-Hexanone	10.75	43	1150228	255.986	ug/l	99
60) Dibromochloromethane	10.90	129	485252	53.652	ug/l	100
61) 1,2-Dibromoethane	11.00	107	413352	51.510	ug/l	99
64) Tetrachloroethene	10.63	164	552800	44.089	ug/l	99
65) Chlorobenzene	11.43	112	1368780	53.346	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	484749	54.327	ug/l	99
67) Ethyl Benzene	11.51	91	2348155	53.214	ug/l	99
68) m/p-Xylenes	11.62	106	1782476	106.259	ug/l	99
69) o-Xylene	11.95	106	873184	54.246	ug/l	99
70) Styrene	11.96	104	1440177	54.869	ug/l	99
71) Bromoform	12.13	173	312791	48.525	ug/l #	99
73) Isopropylbenzene	12.25	105	2320096	60.600	ug/l	99
74) N-amyl acetate	12.07	43	601715	56.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	411103	54.733	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	358068m	43.469	ug/l	
77) Bromobenzene	12.53	156	587809	59.064	ug/l	96
78) n-propylbenzene	12.59	91	2652440	60.831	ug/l	99
79) 2-Chlorotoluene	12.67	91	1536497	56.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1822626	58.406	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	132679	51.915	ug/l	98
82) 4-Chlorotoluene	12.77	91	1573834	59.485	ug/l	99
83) tert-Butylbenzene	12.99	119	1622056	58.773	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1792055	57.125	ug/l	99
85) sec-Butylbenzene	13.17	105	2141886	57.377	ug/l	99
86) p-Isopropyltoluene	13.29	119	1820014	56.423	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	941899	53.475	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	897730	50.328	ug/l	100
89) n-Butylbenzene	13.61	91	1458614	52.562	ug/l	99
90) Hexachloroethane	13.87	117	266599	53.858	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	764991	46.147	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22430	17.271	ug/l	96

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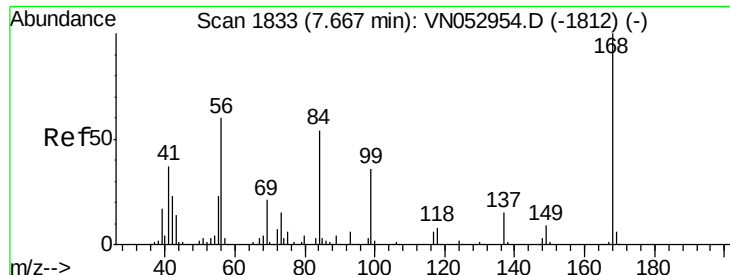
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	74581	8.987	ug/l	99
94) Hexachlorobutadiene	15.01	225	120935	25.168	ug/l	99
95) Naphthalene	15.13	128	105871	6.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	37994	5.263	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 862141

Ion Ratio Lower Upper

168 100

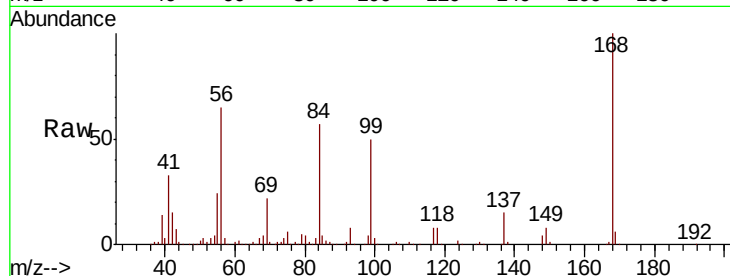
99 49.4 40.2 60.2

Manual Integrations

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1/3/2019 9:55:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

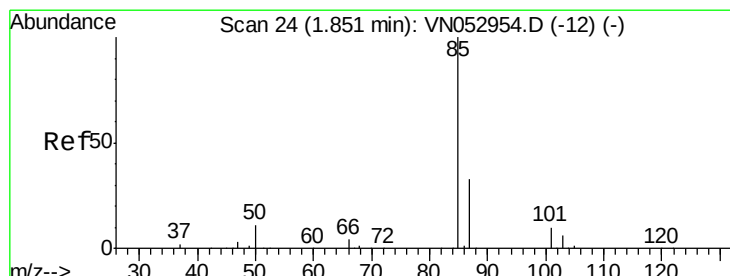
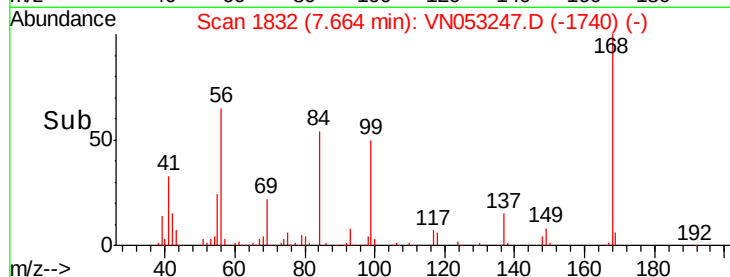
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.802 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053247.D

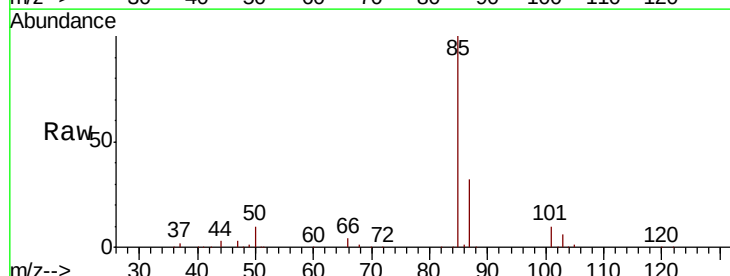
Acq: 2 Jan 2019 17:07

Tgt Ion: 85 Resp: 408372

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

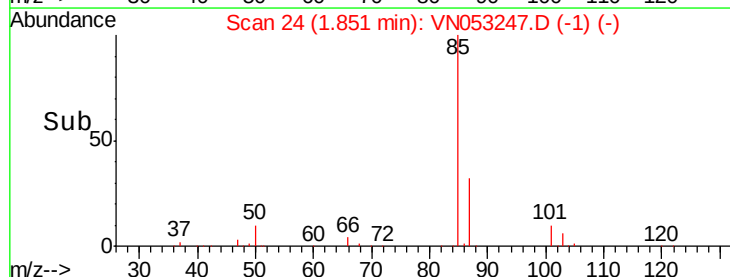
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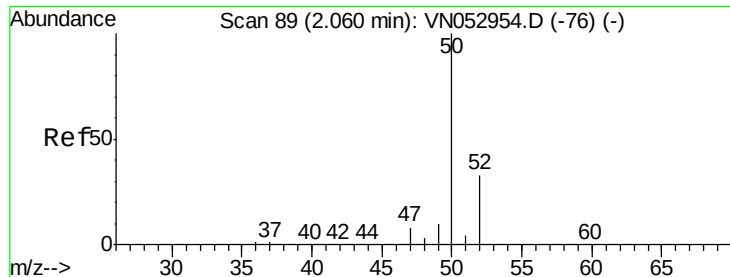
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 45.674 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 482935

Ion Ratio Lower Upper

50 100

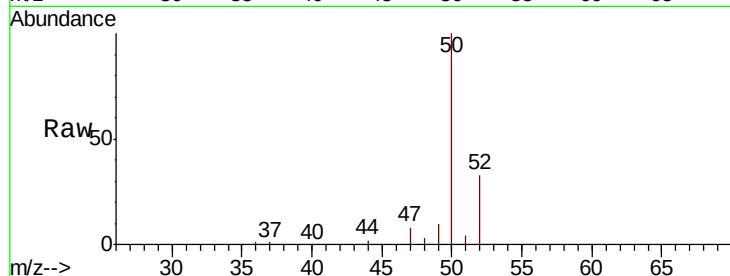
52 33.2 26.2 39.4

Manual Integrations

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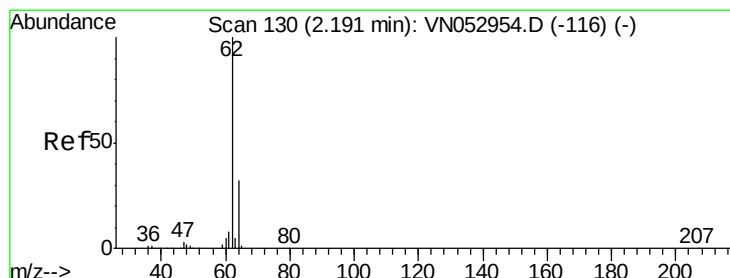
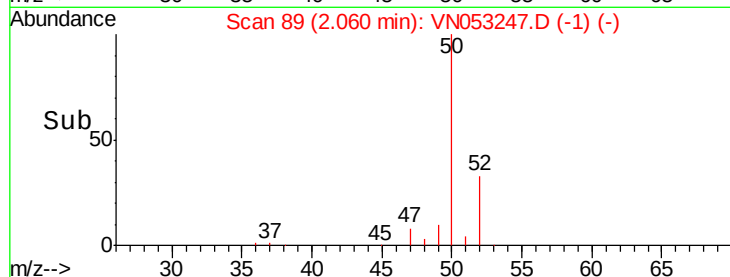
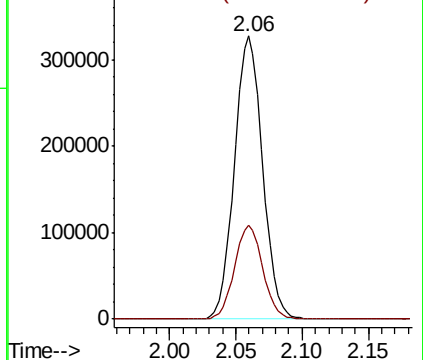
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.503 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053247.D

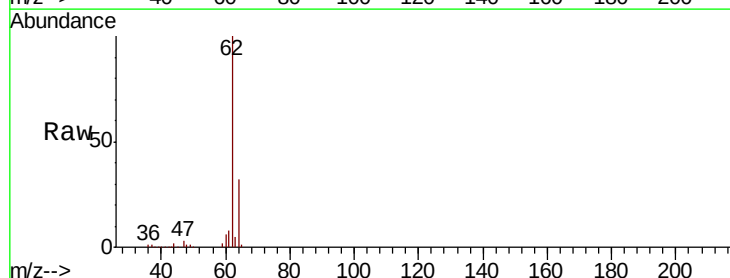
Acq: 2 Jan 2019 17:07

Tgt Ion: 62 Resp: 497975

Ion Ratio Lower Upper

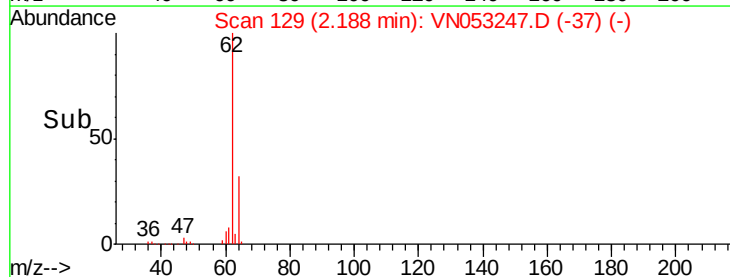
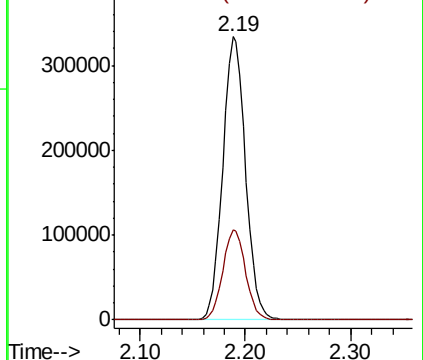
62 100

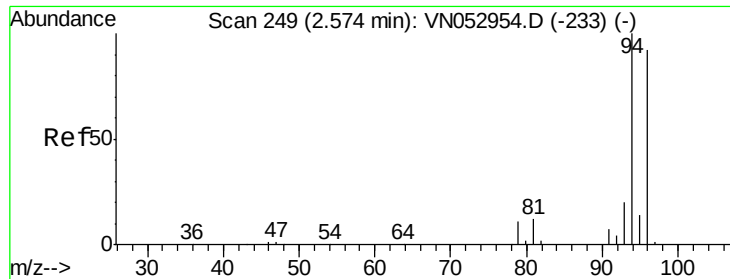
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





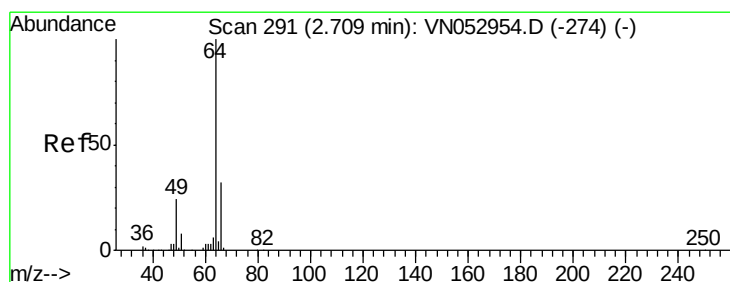
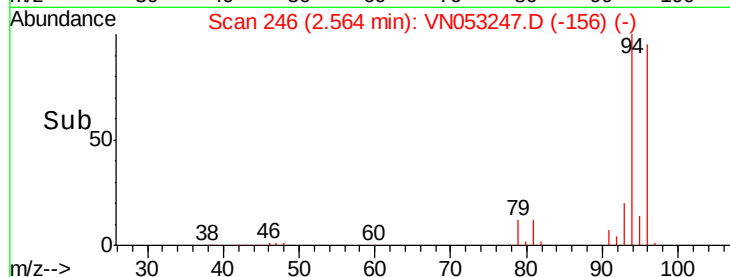
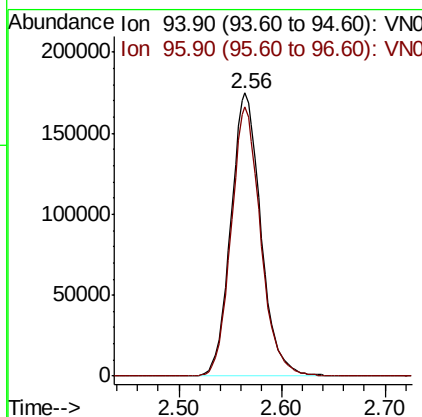
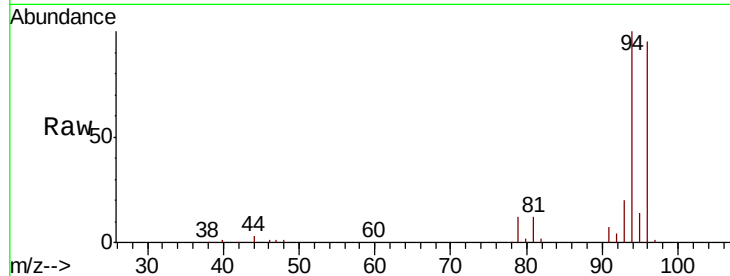
#5
Bromomethane
Concen: 47.804 ug/l
RT: 2.56 min Scan# 246
Delta R.T. -0.01 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

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Tot Ion	Ratio	Lower	Upper
94	100		
96	95.3	75.0	112.4

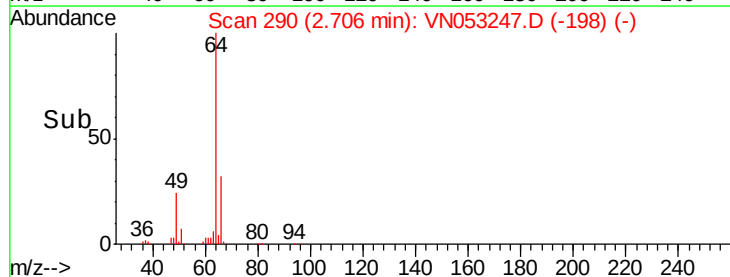
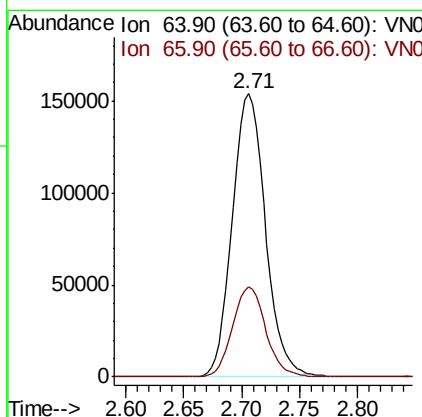
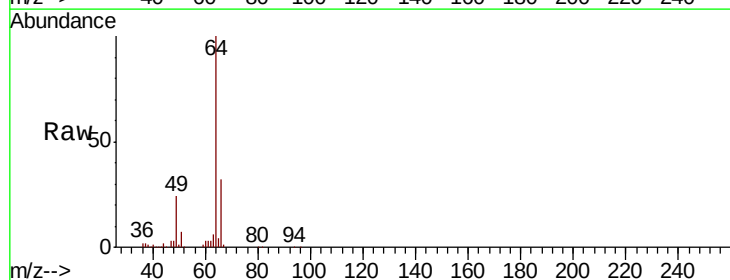
Manual Integrations
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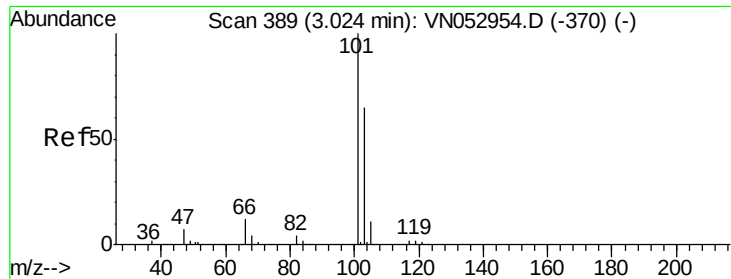
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#6
Chloroethane
Concen: 48.144 ug/l
RT: 2.71 min Scan# 290
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.2	39.2





#7

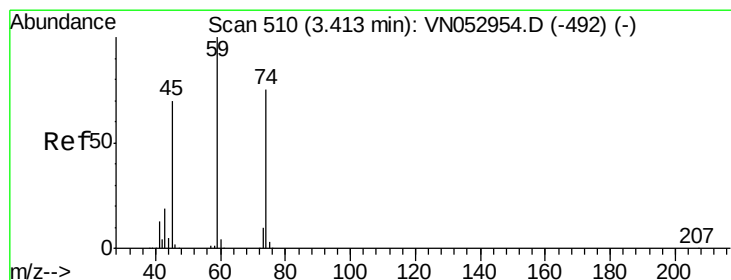
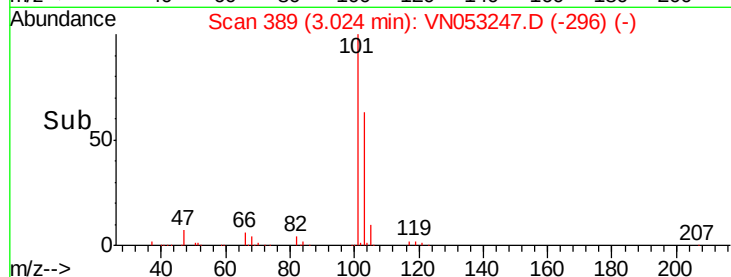
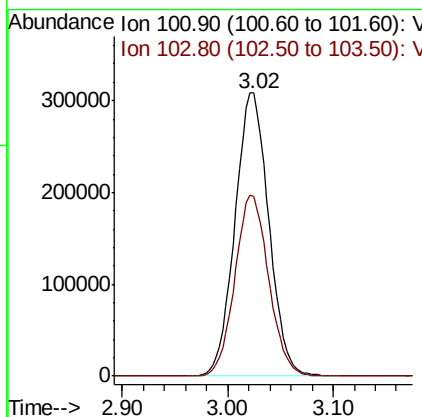
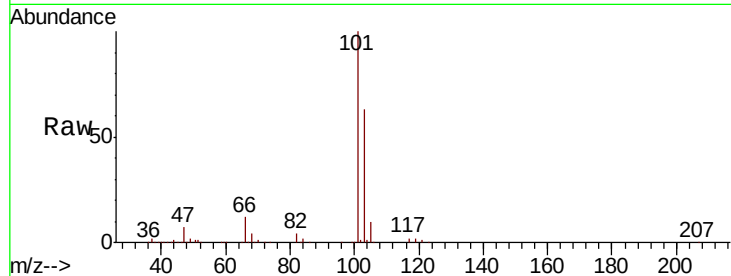
Trichlorofluoromethane
 Concen: 51.483 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.8	77.6

Manual Integrations
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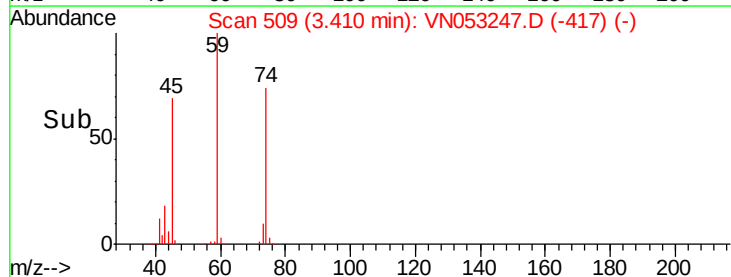
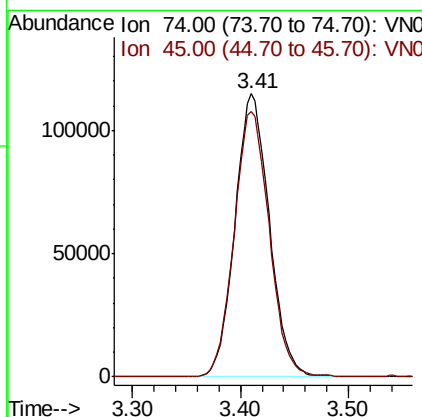
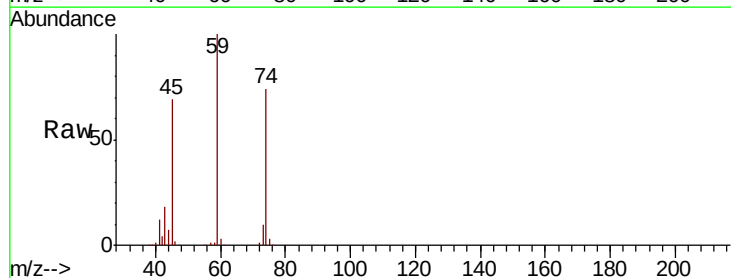
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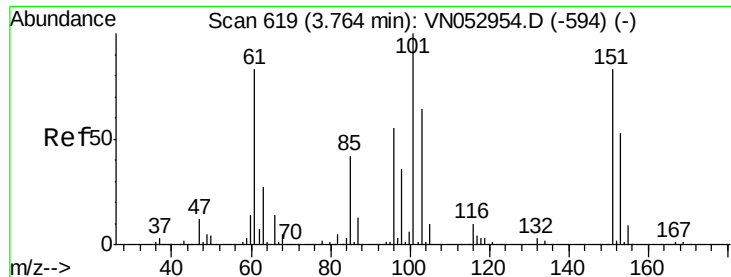


#8

Diethyl Ether
 Concen: 50.654 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	49.4	148.0





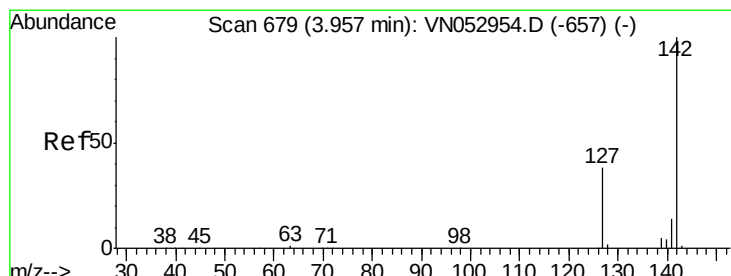
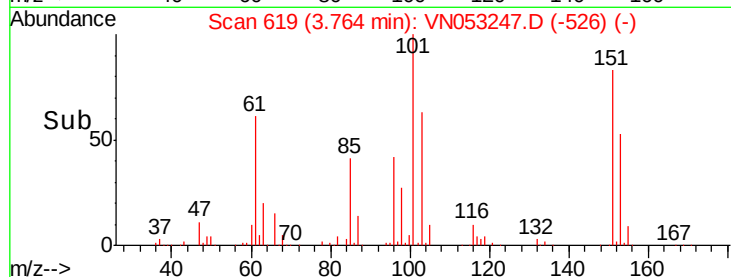
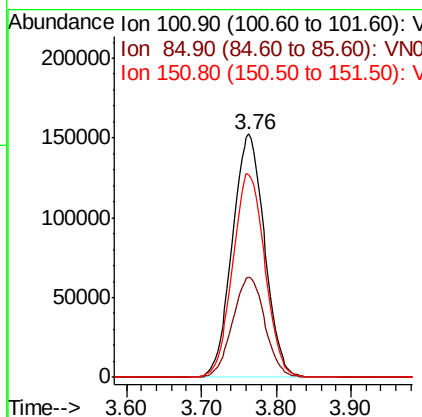
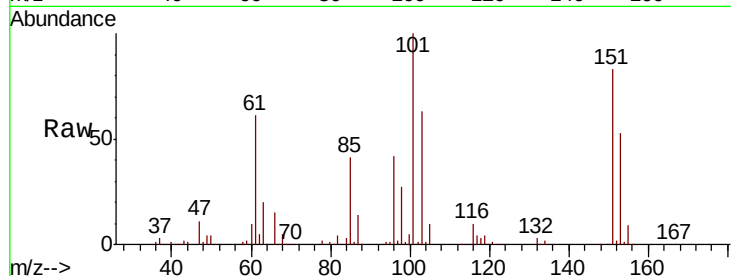
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.629 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	456141		
85	41.2	33.6	50.4	
151	83.7	65.5	98.3	

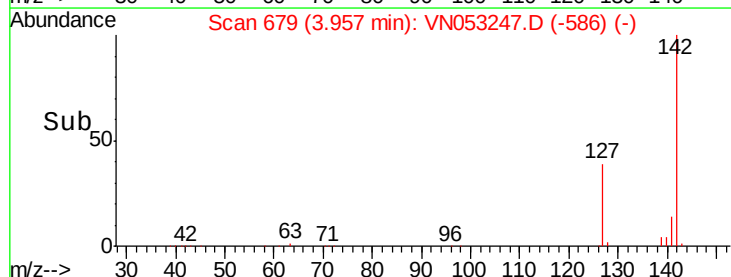
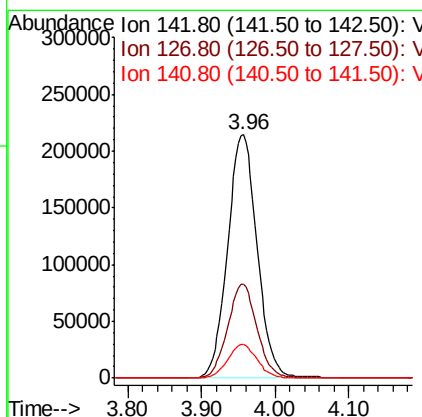
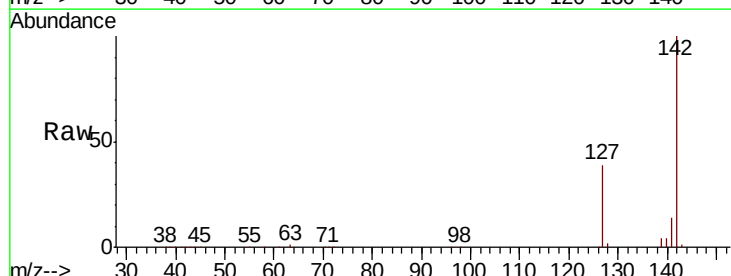
Manual Integrations
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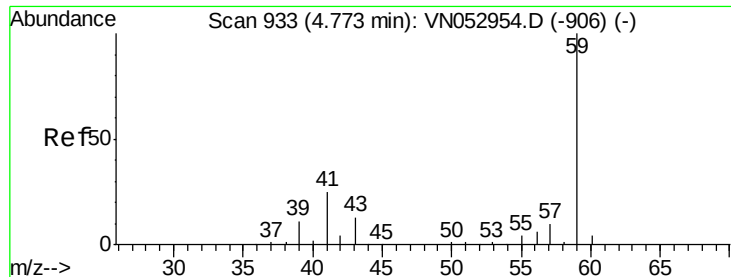
MMDadoda
 1/3/2019 9:55:48 AM



#10
 Methyl Iodide
 Concen: 50.029 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	597573		
127	38.3	31.0	46.6	
141	13.8	11.2	16.8	





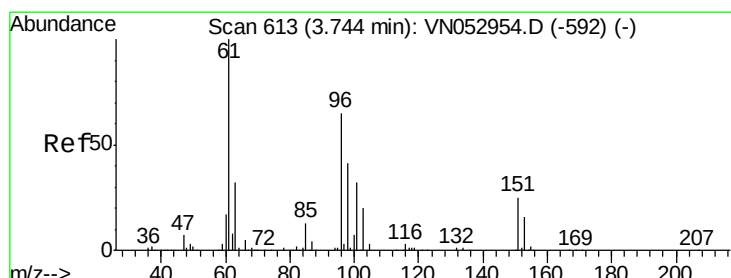
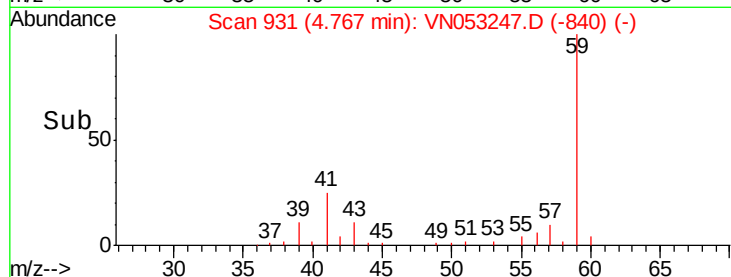
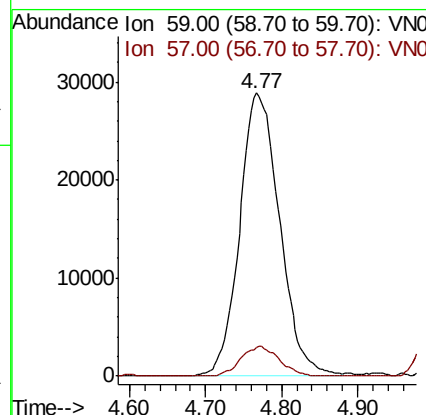
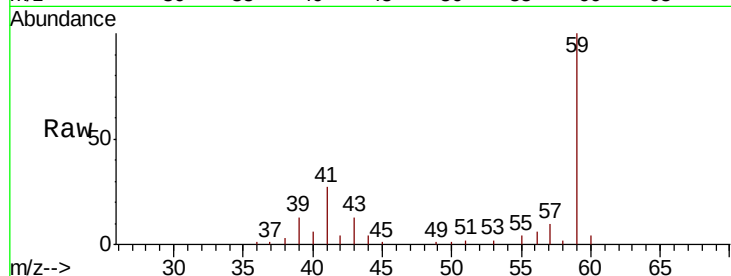
#11
Tert butyl alcohol
Concen: 197.366 ug/l
RT: 4.77 min Scan# 931
Delta R.T. -0.01 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.2	Resp	105361	Lower	Upper
59	100								
57		10.2			7.7		11.5		

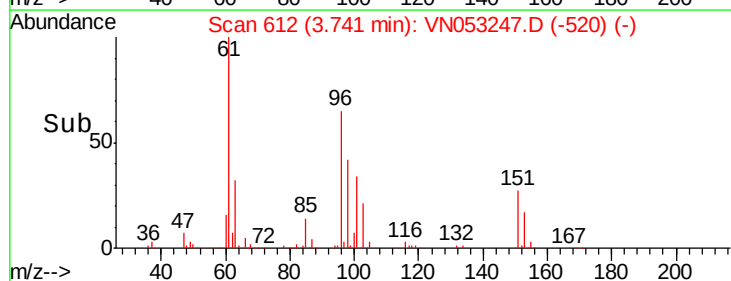
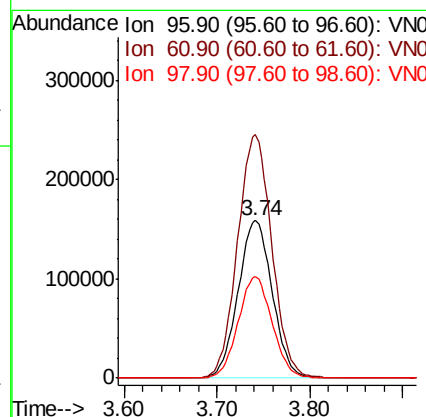
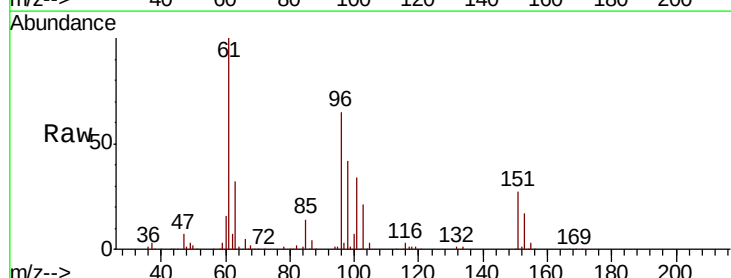
Manual Integrations
APPROVED

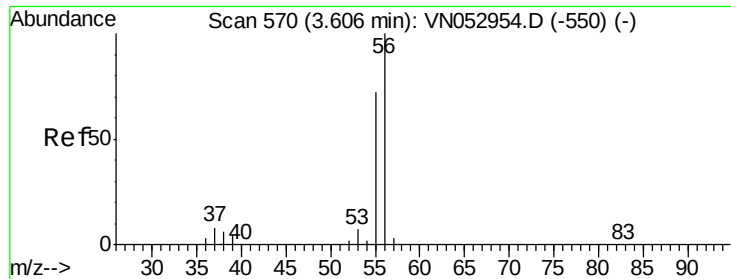
MMDadoda
1/3/2019 9:55:48 AM



#12
1,1-Dichloroethene
Concen: 49.443 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	96	61	98	Resp	406292	Lower	Upper
96	100						
61		154.8			125.6	188.4	
98		64.5			50.6	75.8	





#13

Acrolein

Concen: 257.543 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 124664

Ion Ratio Lower Upper

56 100

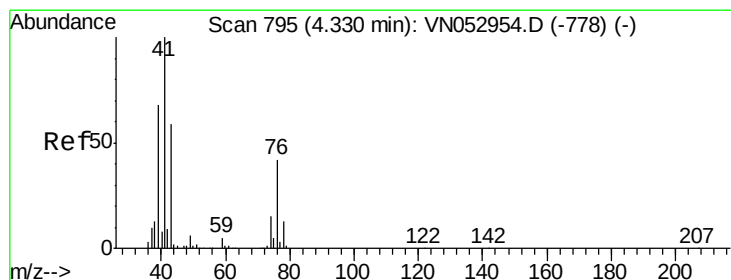
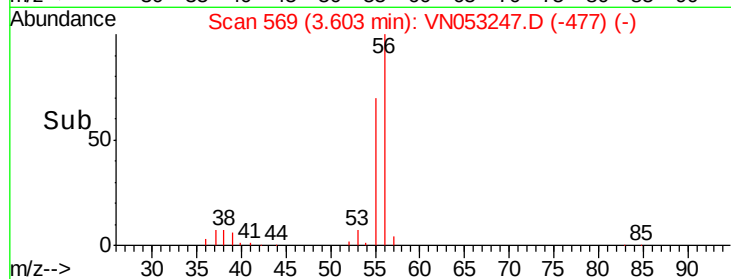
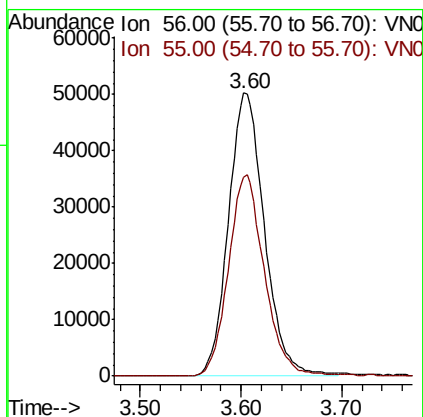
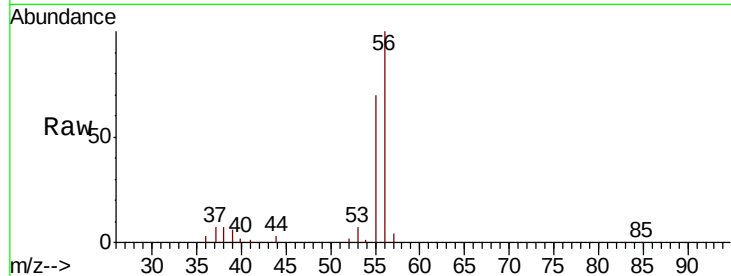
55 71.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.874 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

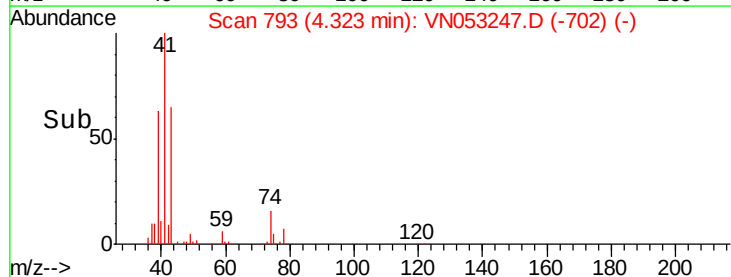
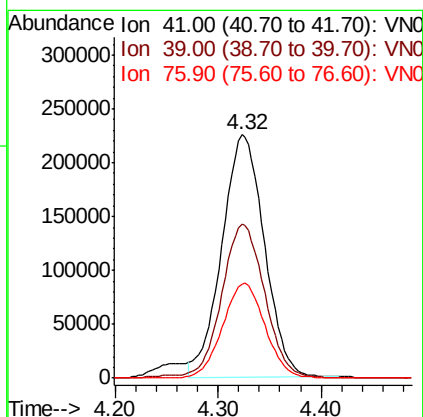
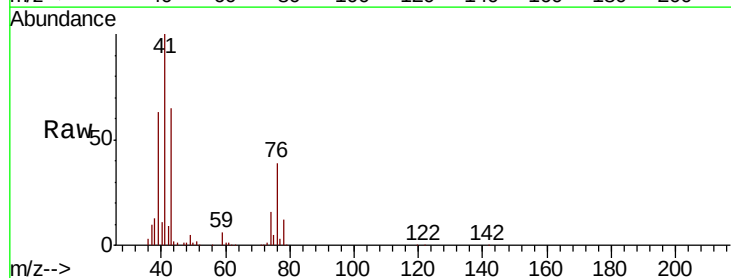
Tgt Ion: 41 Resp: 647540

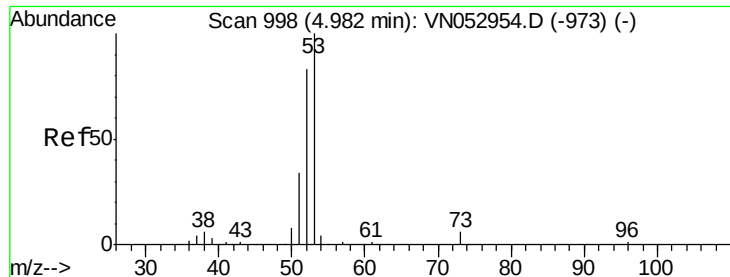
Ion Ratio Lower Upper

41 100

39 64.8 54.1 81.1

76 38.6 30.3 45.5





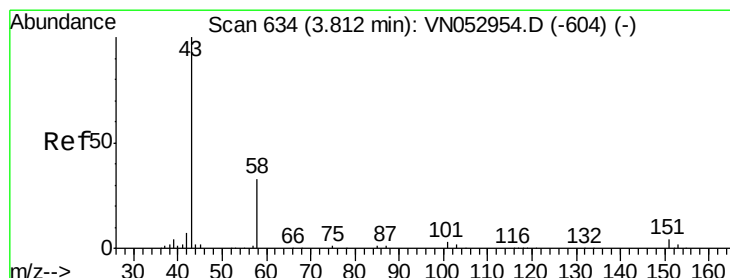
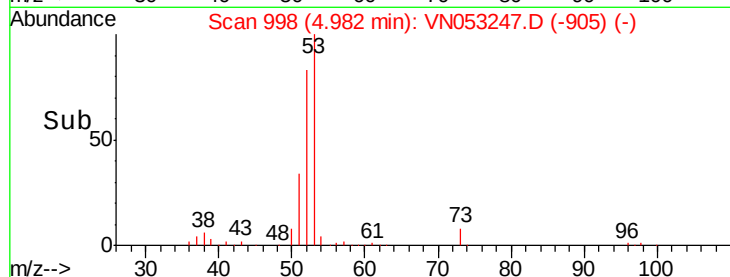
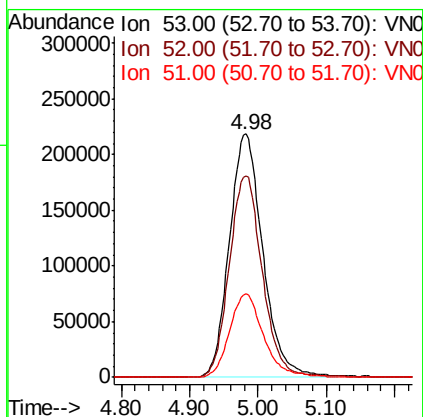
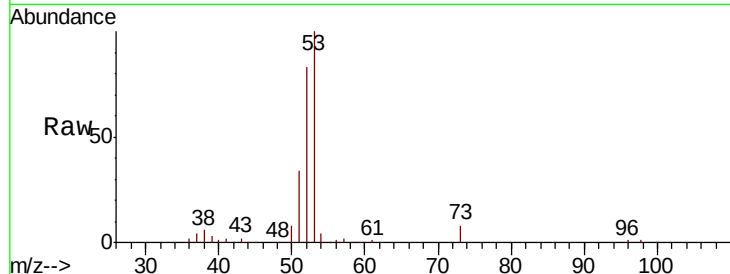
#15
 Acrylonitrile
 Concen: 250.895 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	744086
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.1	97.7
51	35.2	28.1	42.1

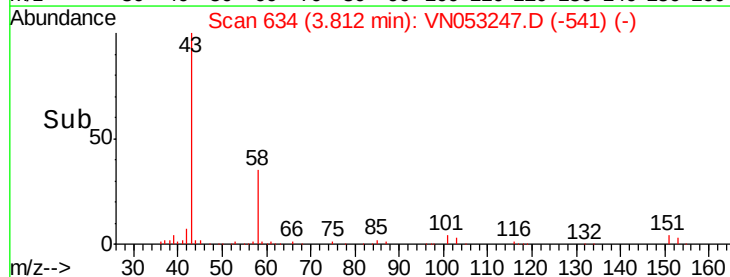
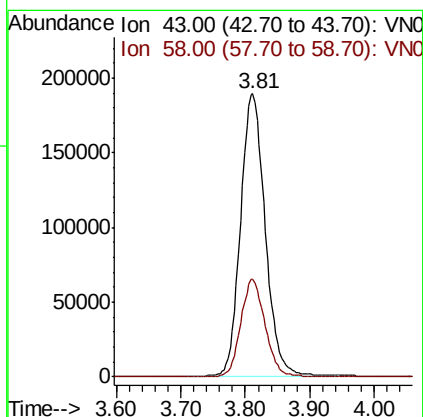
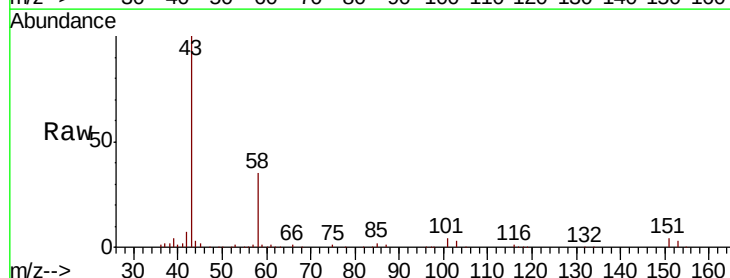
Manual Integrations
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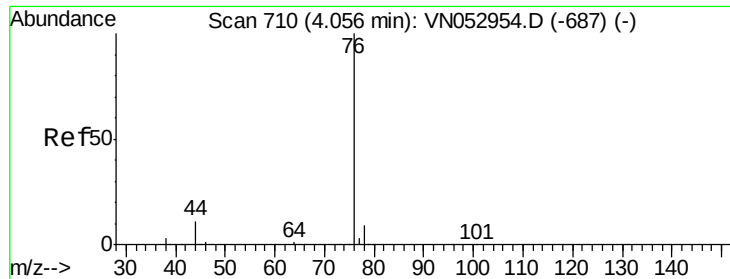
MMDadoda
 1/3/2019 9:55:48 AM



#16
 Acetone
 Concen: 295.504 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion:	43	Resp:	506915
Ion	Ratio	Lower	Upper
43	100		
58	34.6	25.4	38.0





#17

Carbon Disulfide

Concen: 39.839 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1067622

Ion Ratio Lower Upper

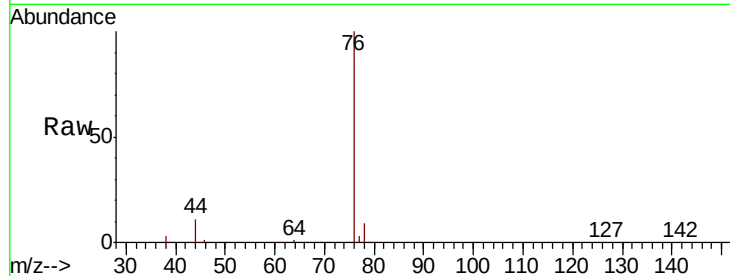
76 100

78 9.0 7.1 10.7

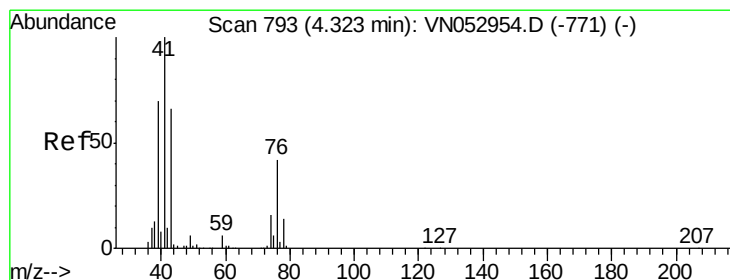
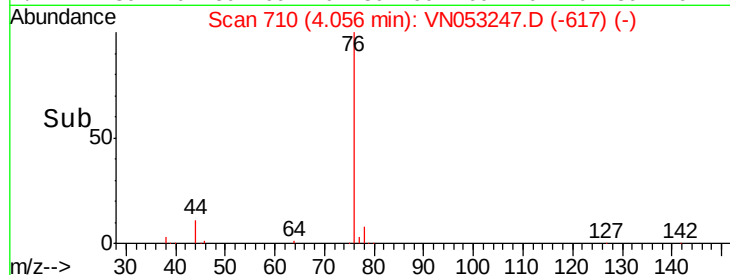
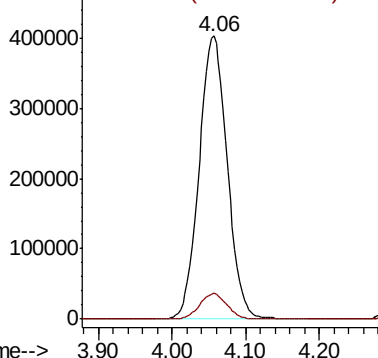
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 54.988 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053247.D

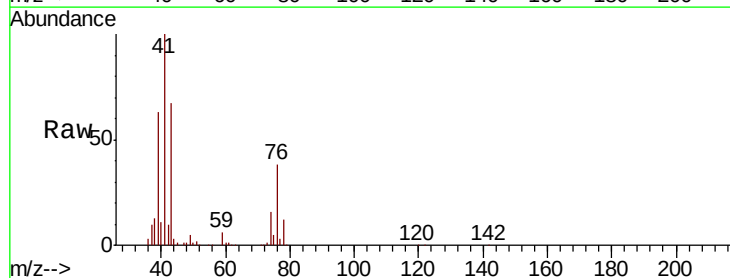
Acq: 2 Jan 2019 17:07

Tgt Ion: 43 Resp: 428910

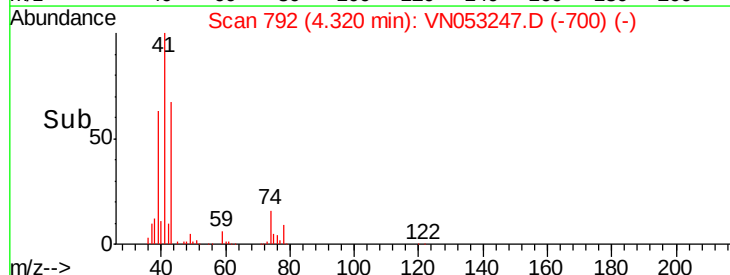
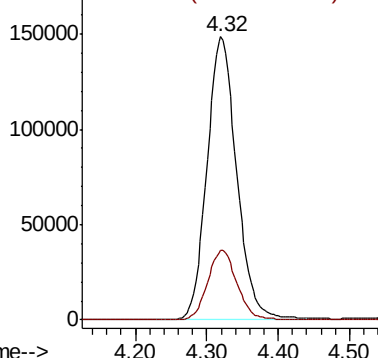
Ion Ratio Lower Upper

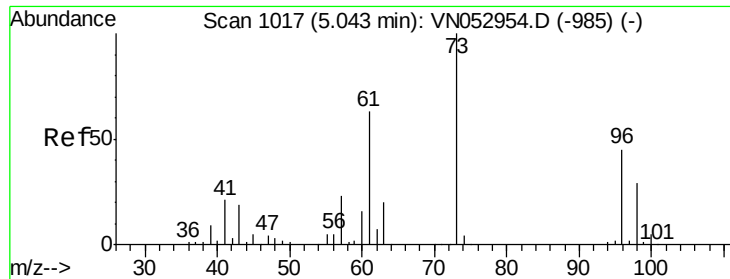
43 100

74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





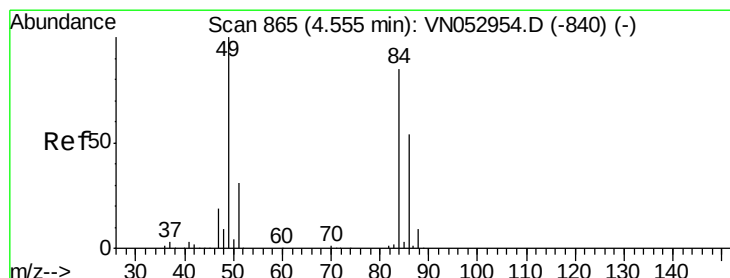
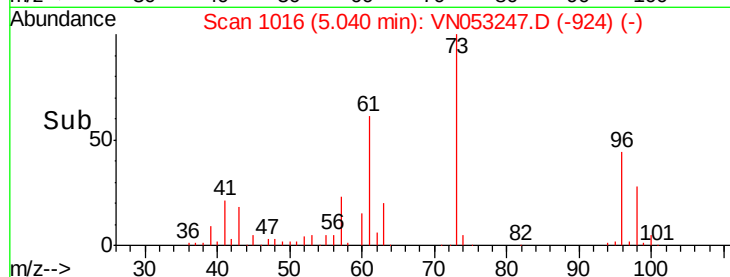
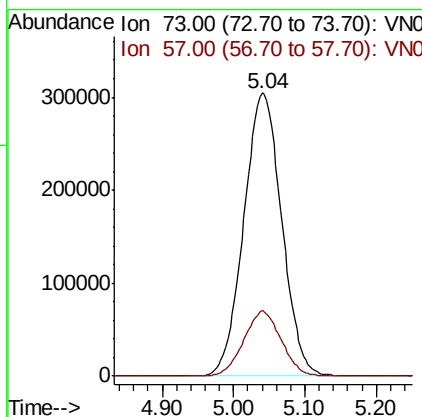
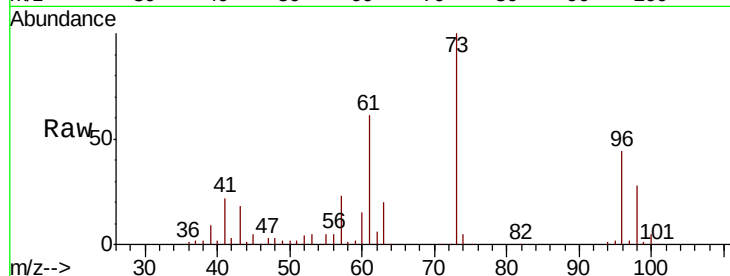
#19
Methyl tert-butyl Ether
Concen: 51.126 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 73 Resp: 1124267
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6

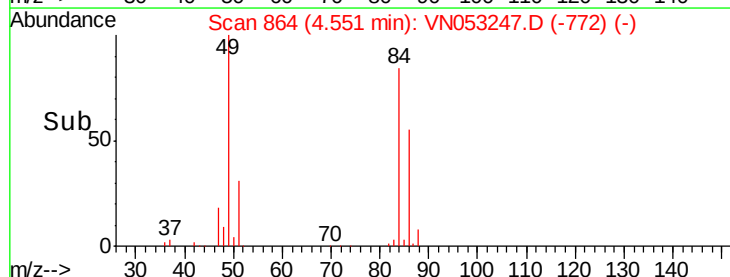
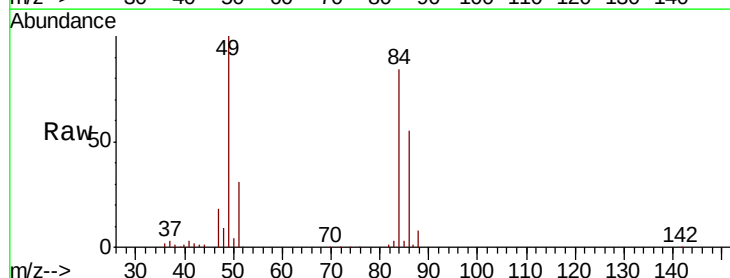
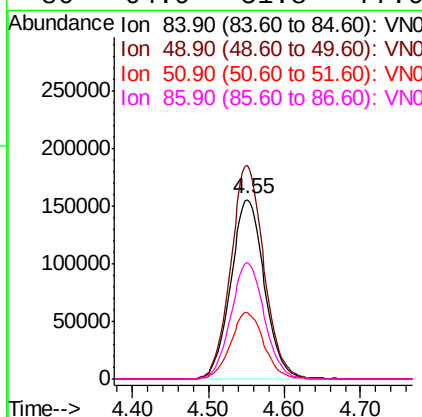
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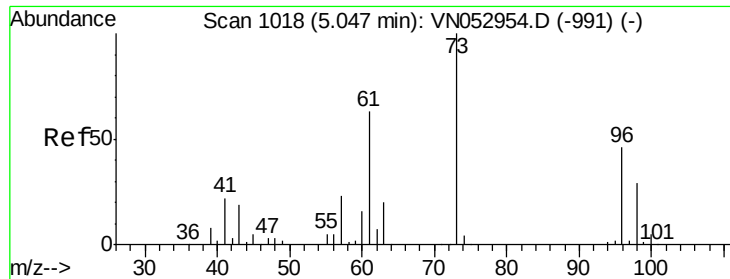
MMDadoda
1/3/2019 9:55:48 AM



#20
Methylene Chloride
Concen: 50.985 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion: 84 Resp: 477084
Ion Ratio Lower Upper
84 100
49 118.9 96.8 145.2
51 36.9 29.9 44.9
86 64.9 51.8 77.6





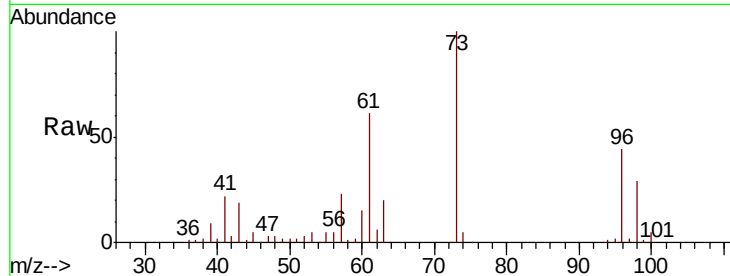
#21
trans-1,2-Dichloroethene
Concen: 49.022 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	110.8	166.2
98	64.6	51.4	77.2

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MMDadoda
1/3/2019 9:55:48 AM

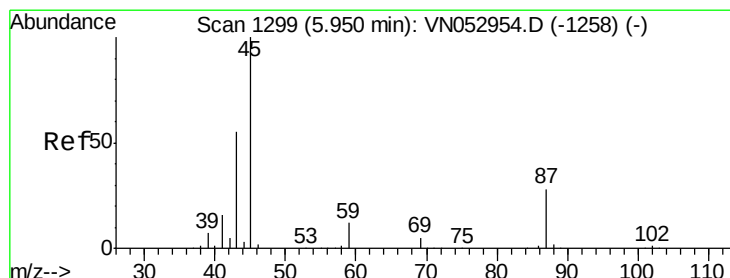
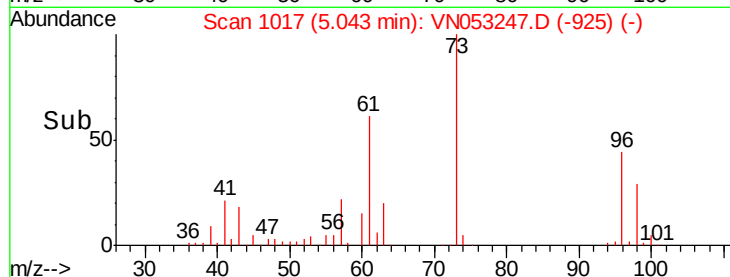
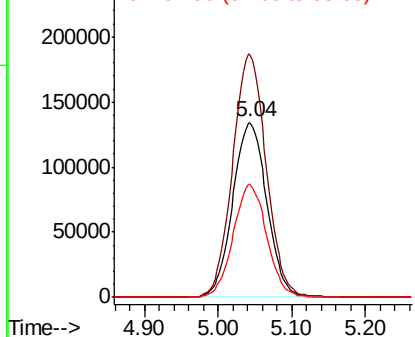


Abundance

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: 54.763 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.1	45.5	68.3
87	28.2	22.0	33.0
59	12.0	9.4	14.0

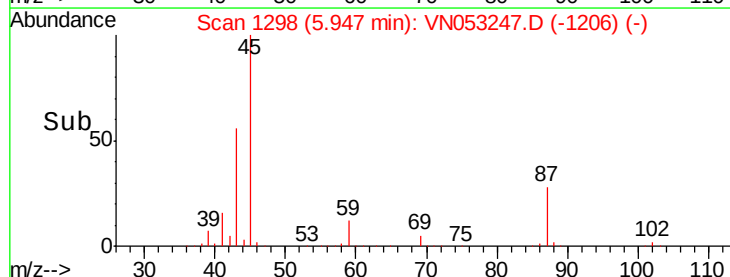
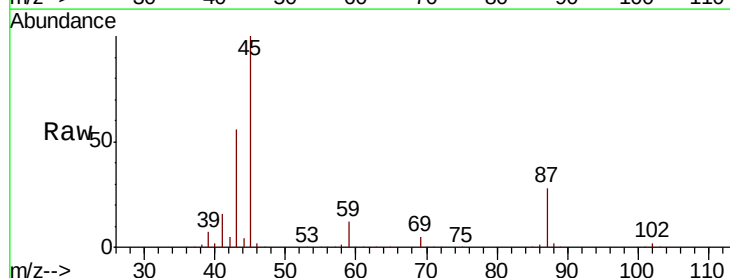
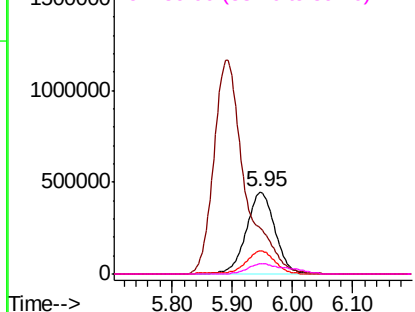
Abundance

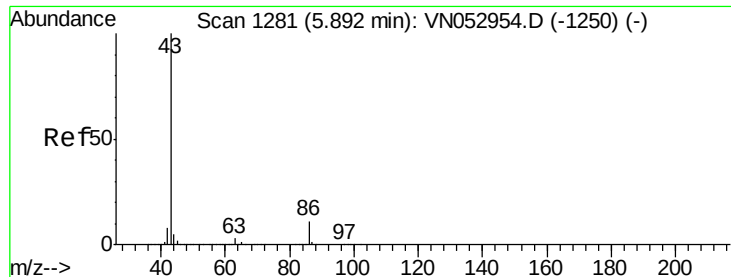
Ion 45.00 (44.70 to 45.70): VNO

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: 265.573 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4149028

Ion Ratio Lower Upper

43 100

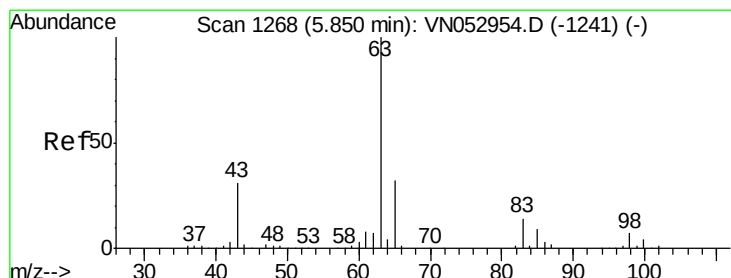
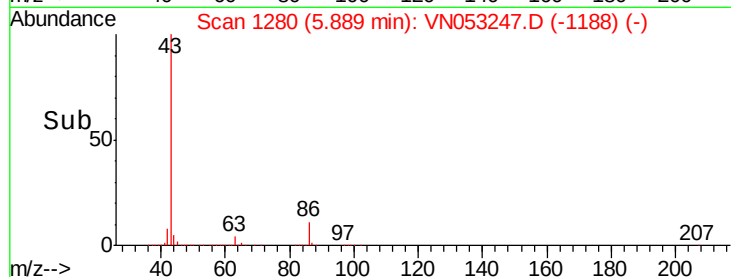
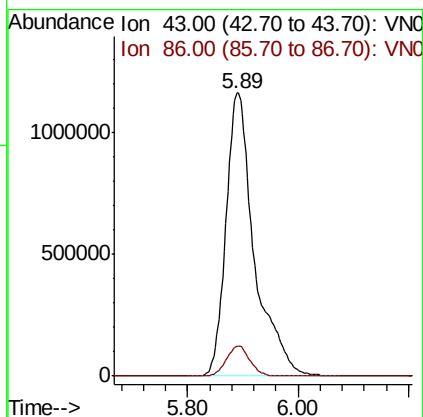
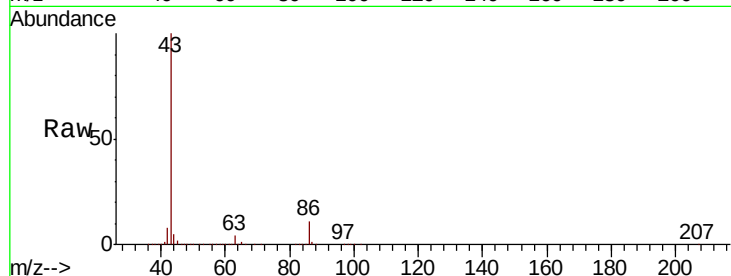
86 10.6 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 52.874 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

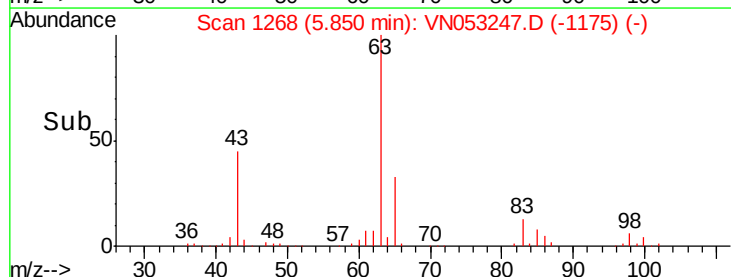
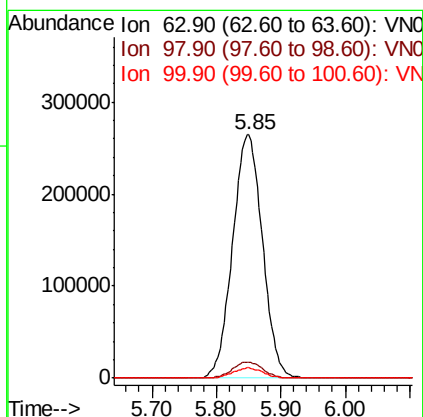
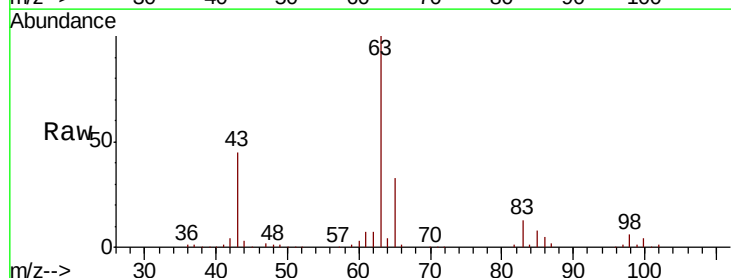
Tgt Ion: 63 Resp: 853632

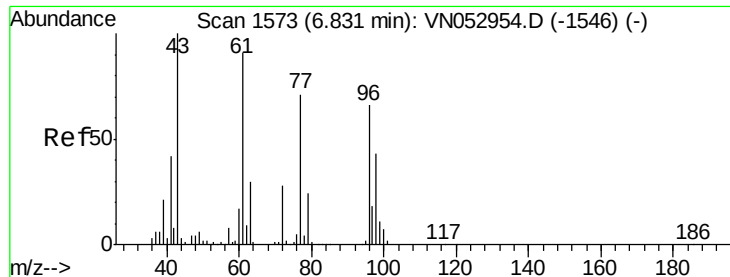
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.2 2.0 5.8





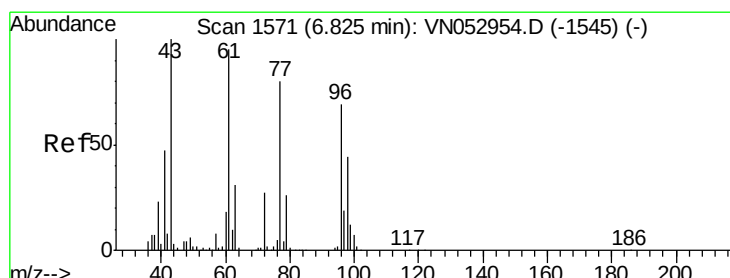
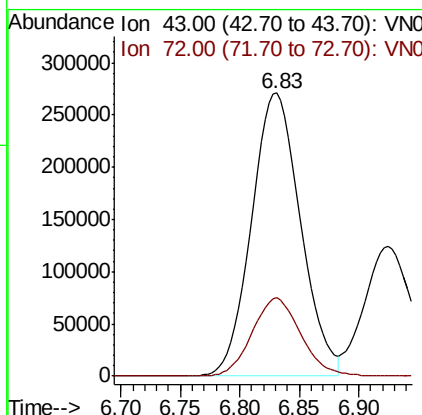
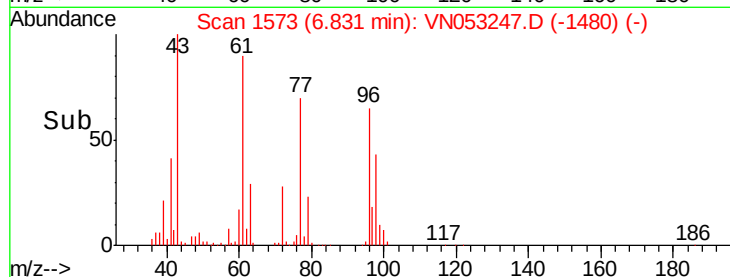
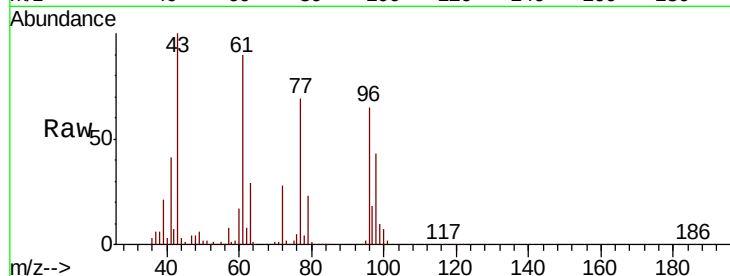
#25
2-Butanone
Concen: 268.430 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 772784
Ion Ratio Lower Upper
43 100
72 27.6 21.0 31.6

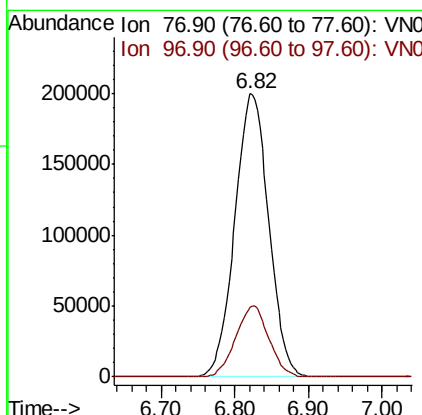
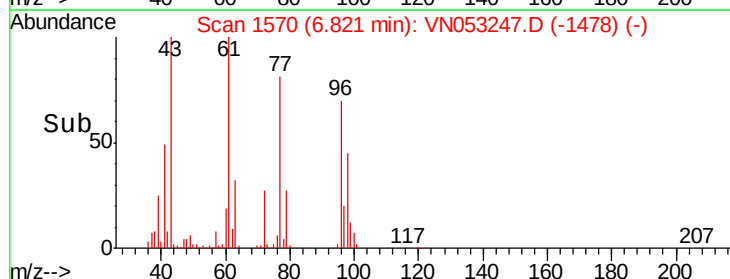
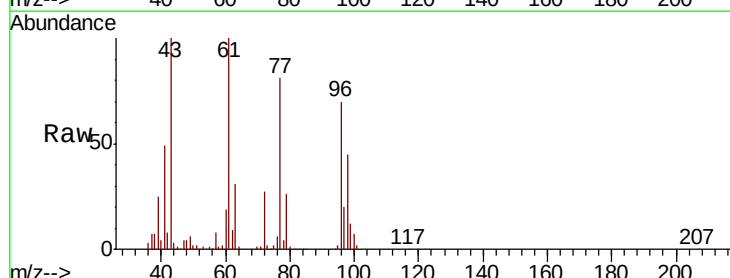
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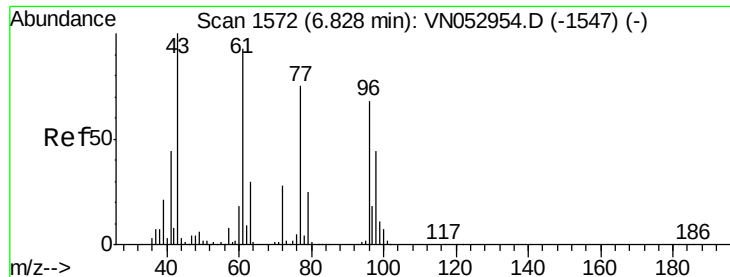
MMDadoda
1/3/2019 9:55:48 AM



#26
2,2-Dichloropropane
Concen: 51.924 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion: 77 Resp: 639915
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.060 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

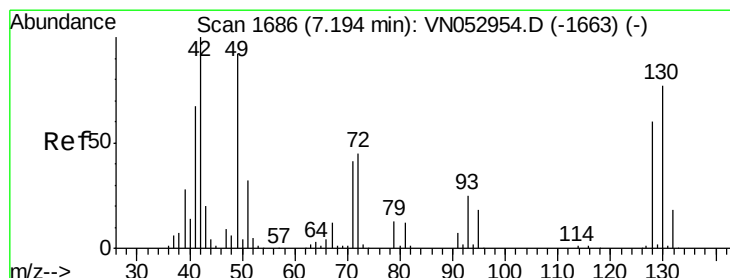
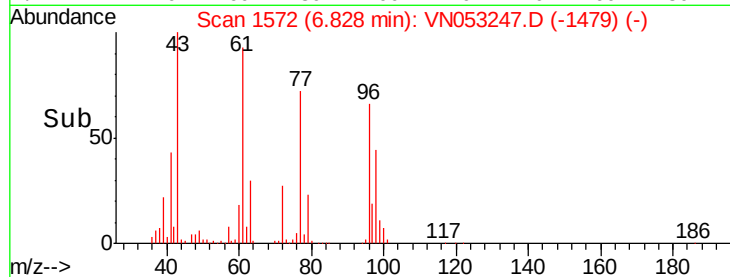
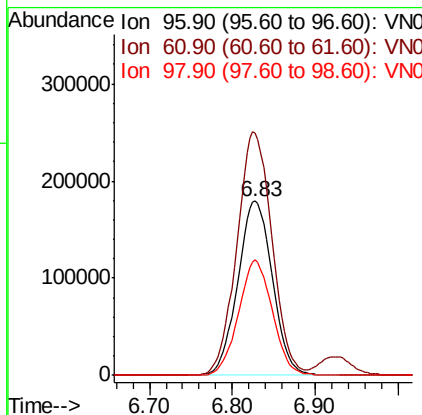
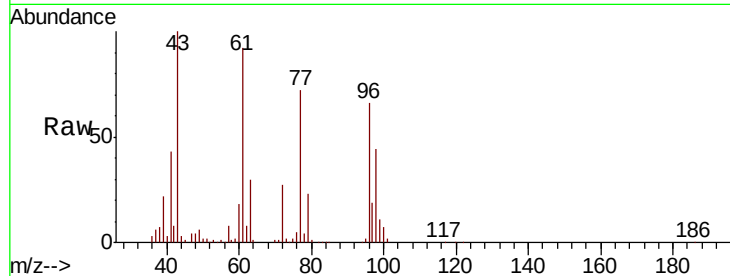
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	520346
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	284.2
98	64.8	0.0	129.2

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#28

Bromochloromethane

Concen: 53.302 ug/l

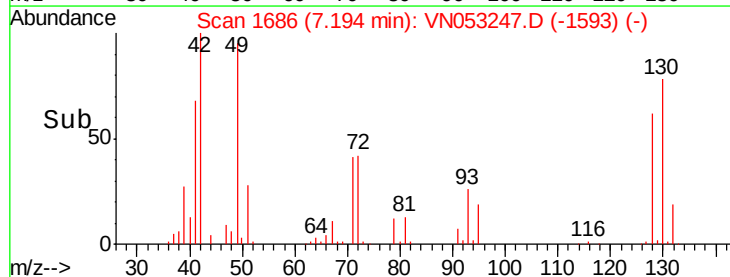
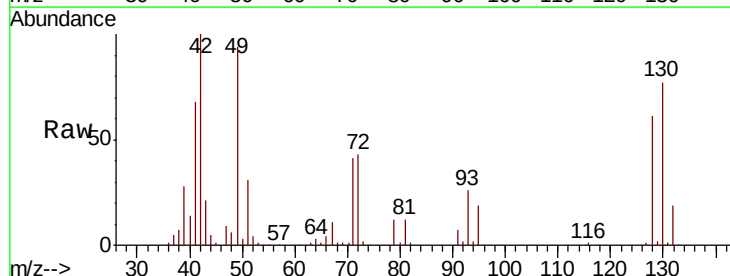
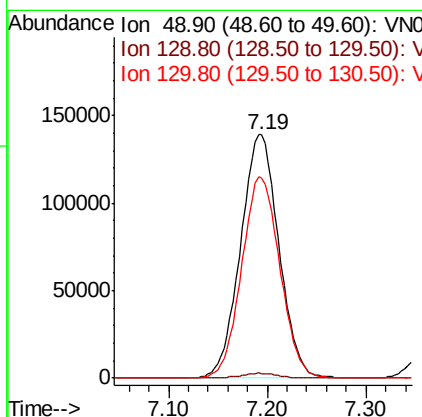
RT: 7.19 min Scan# 1686

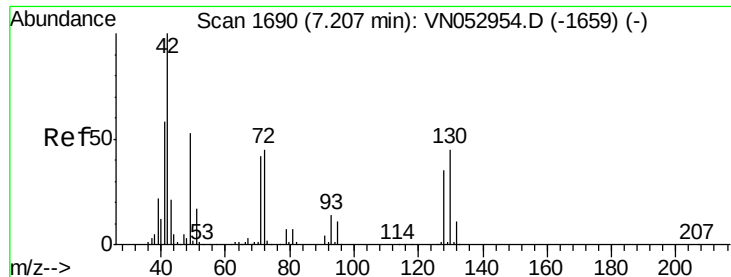
Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Tgt Ion:	49	Resp:	372888
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	82.4	63.3	94.9





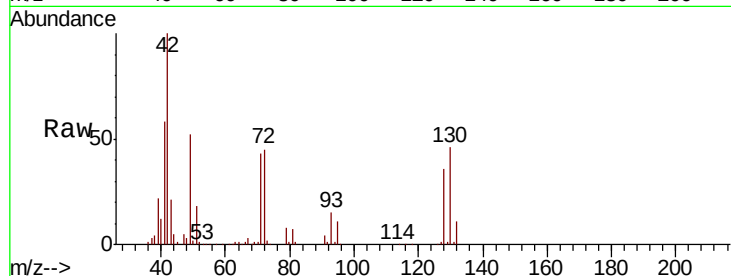
#29
Tetrahydrofuran
Concen: 242.560 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

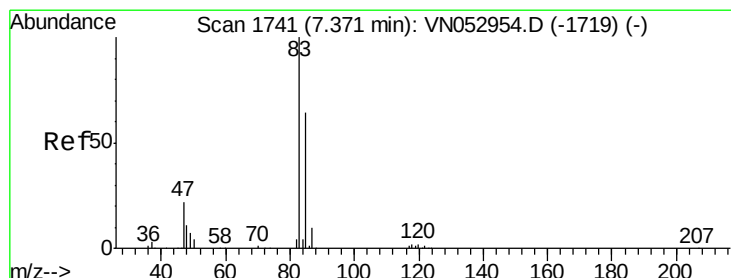
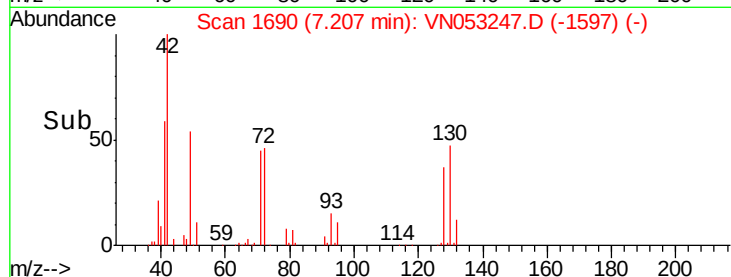
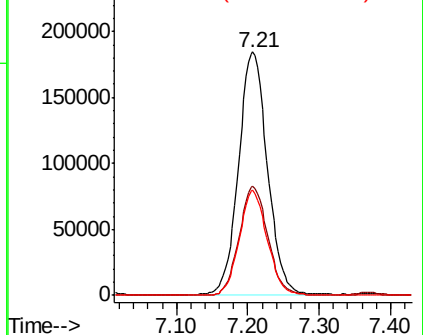
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	34.7	52.1
71	41.7	32.3	48.5

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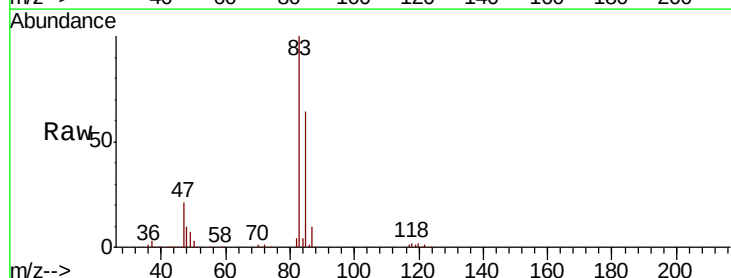


Abundance Ion 42.00 (41.70 to 42.70): VN053247.D (-1597) (-)
Ion 72.00 (71.70 to 72.70): VN053247.D (-1597) (-)
Ion 71.00 (70.70 to 71.70): VN053247.D (-1597) (-)

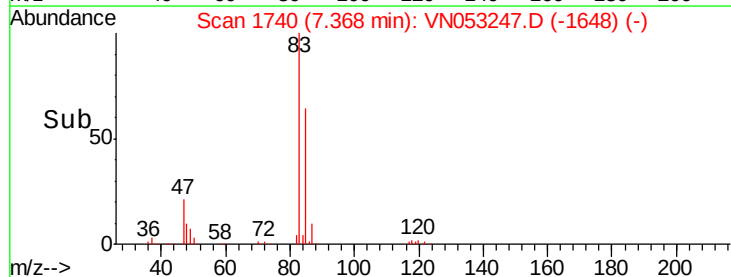
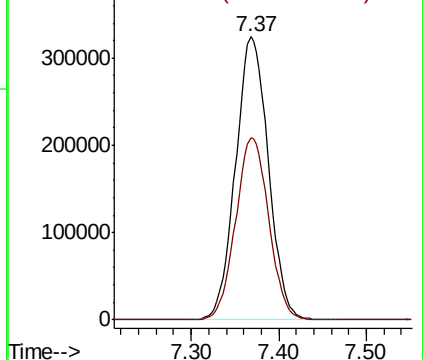


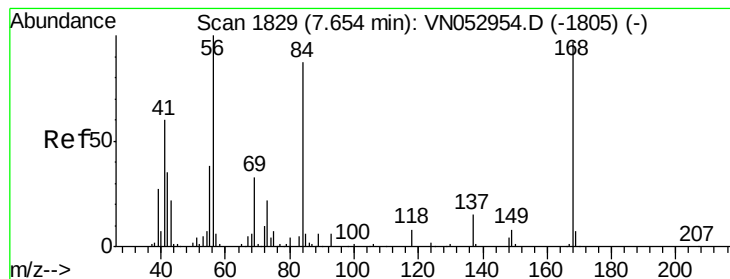
#30
Chloroform
Concen: 53.232 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.1	78.1



Abundance Ion 82.90 (82.60 to 83.60): VN053247.D (-1648) (-)
Ion 84.90 (84.60 to 85.60): VN053247.D (-1648) (-)





#31

Cyclohexane

Concen: 50.664 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

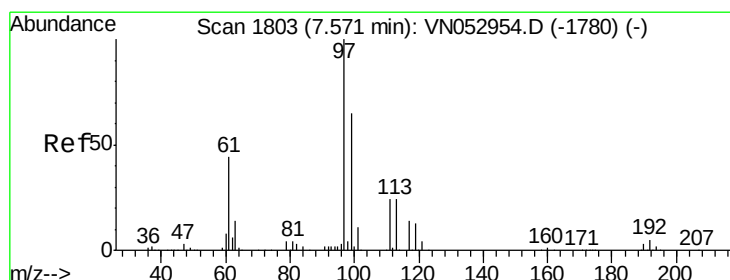
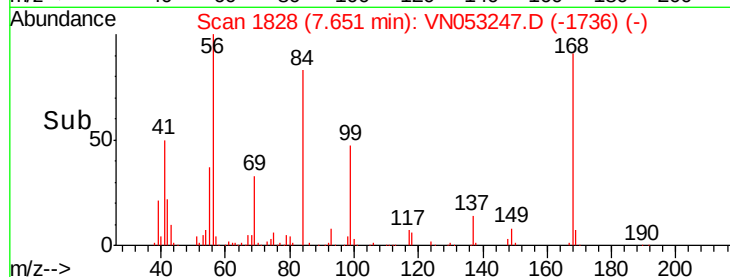
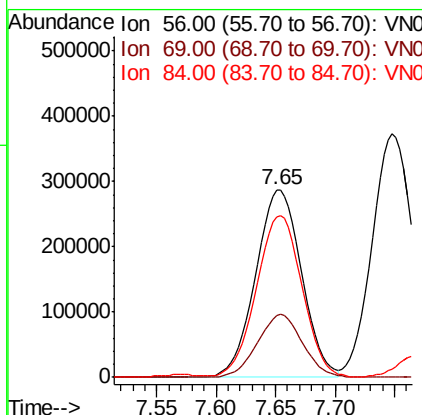
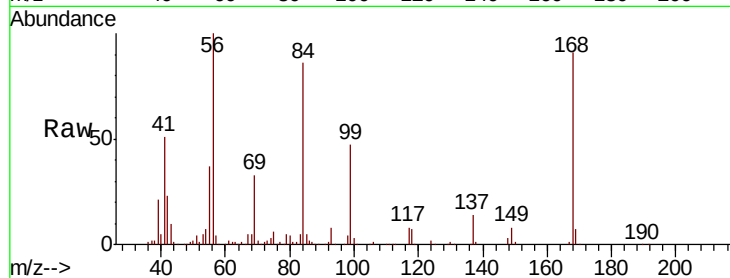
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	766921
Ion Ratio	Lower	Upper	
56	100		
69	33.0	26.6	39.8
84	84.4	68.4	102.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.011 ug/l

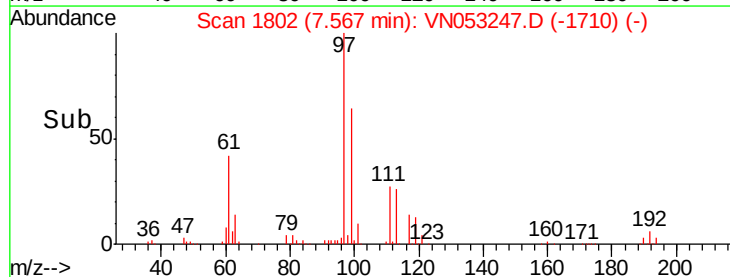
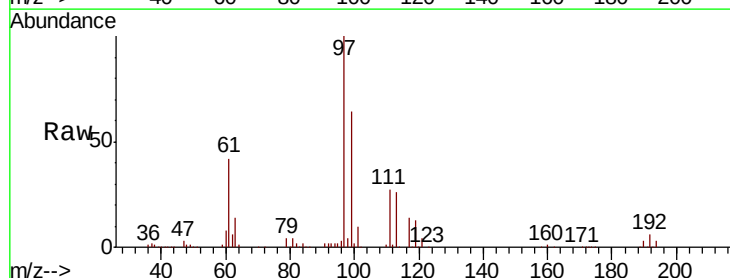
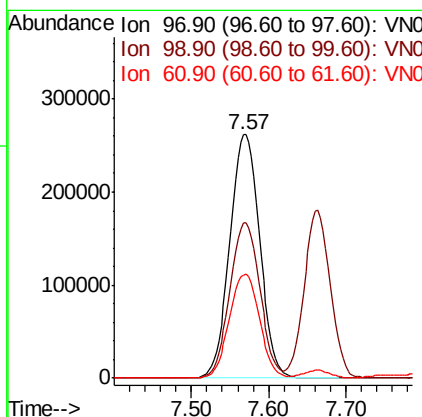
RT: 7.57 min Scan# 1802

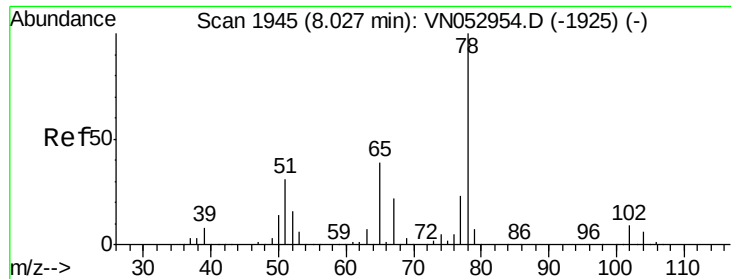
Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Tgt Ion:	97	Resp:	702685
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.1	76.7
61	43.2	35.0	52.6





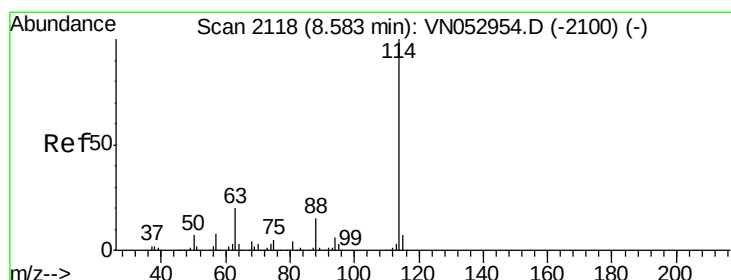
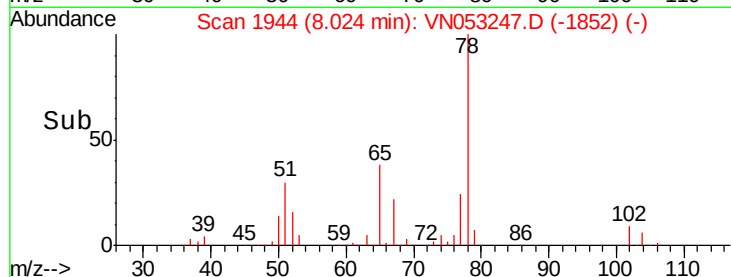
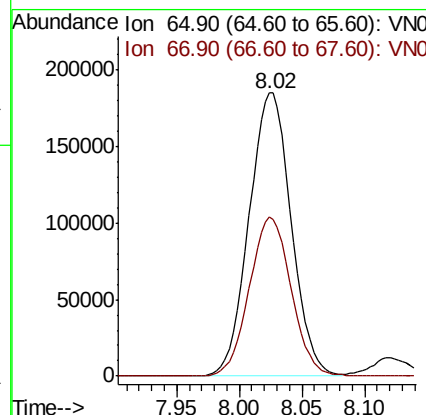
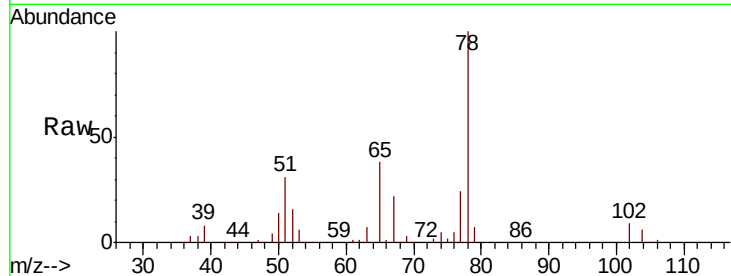
#33
 1,2-Dichloroethane-d4
 Concen: 52.011 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	110.4

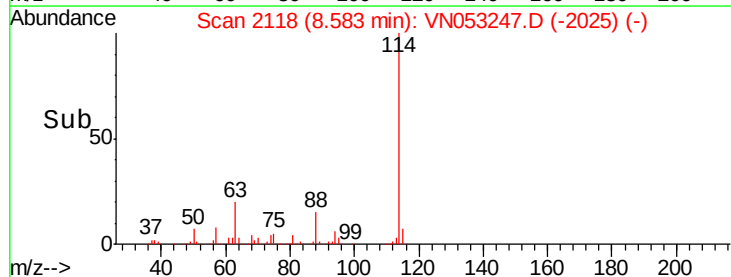
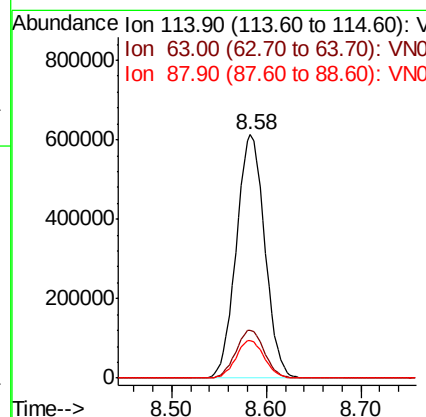
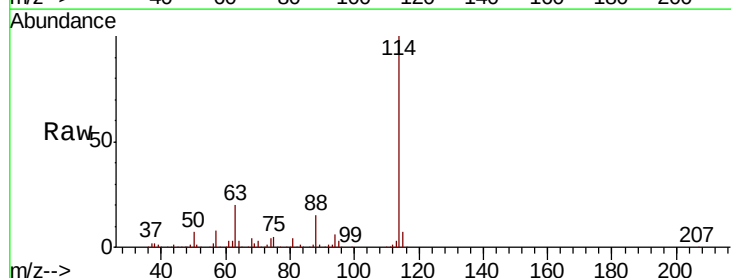
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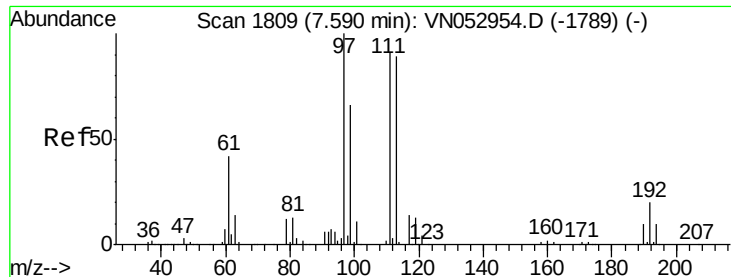
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.8
88	15.5	0.0	31.0





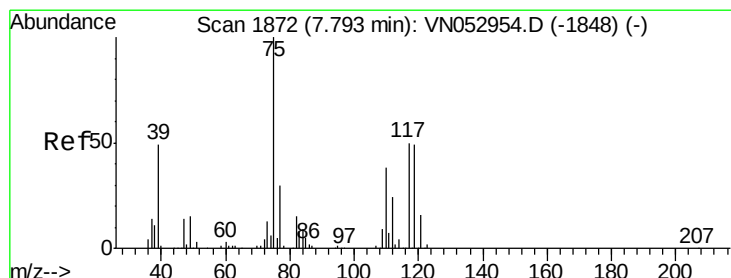
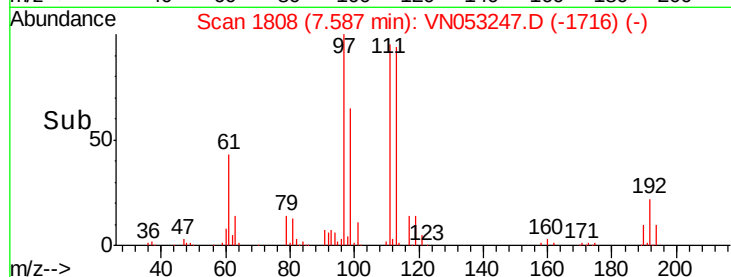
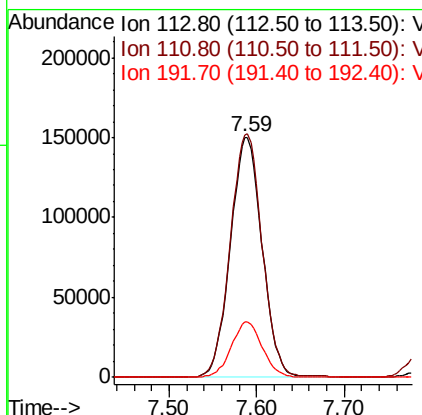
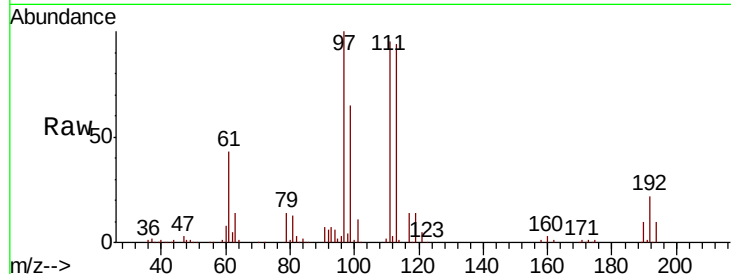
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	378274		
111	102.1	83.0	124.4	
192	22.7	17.5	26.3	

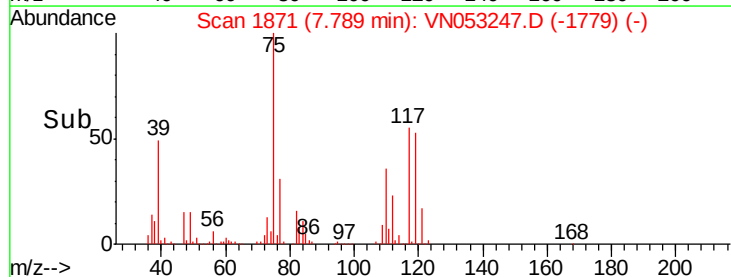
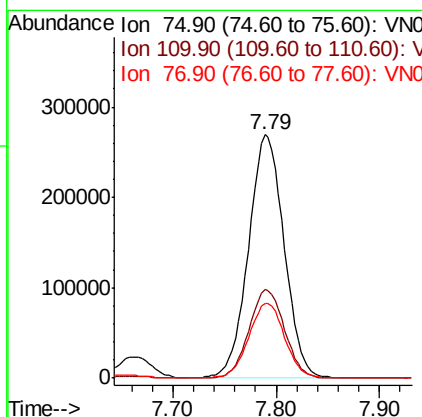
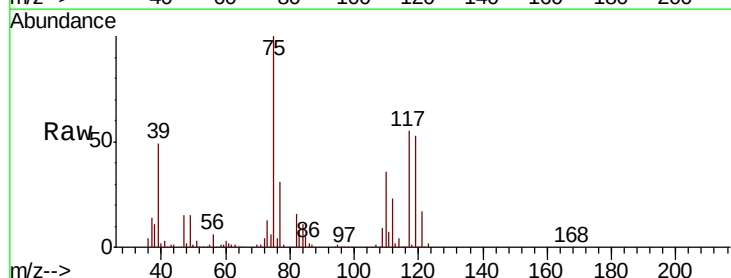
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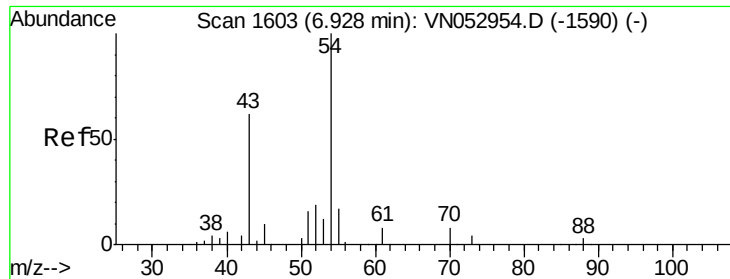
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#36
1,1-Dichloropropene
Concen: 52.278 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	642201		
110	36.4	18.2	54.6	
77	31.1	24.9	37.3	





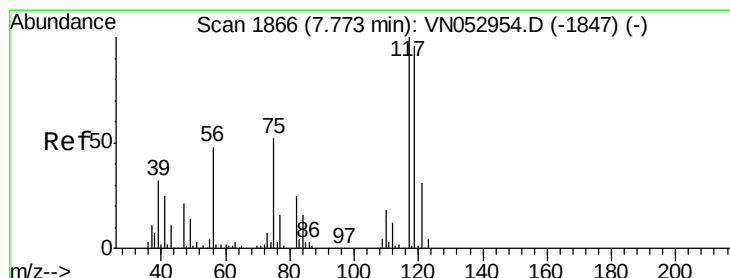
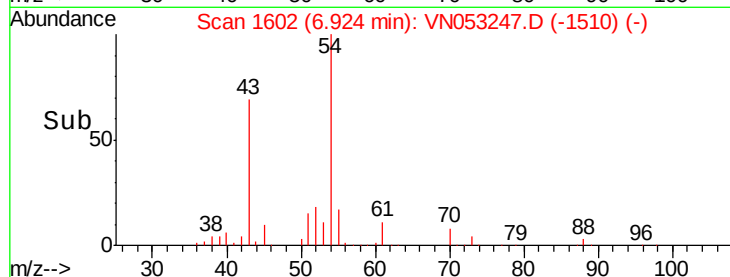
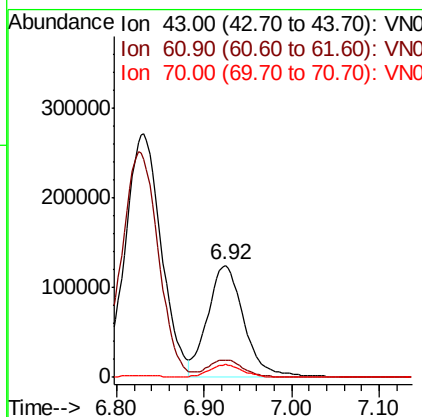
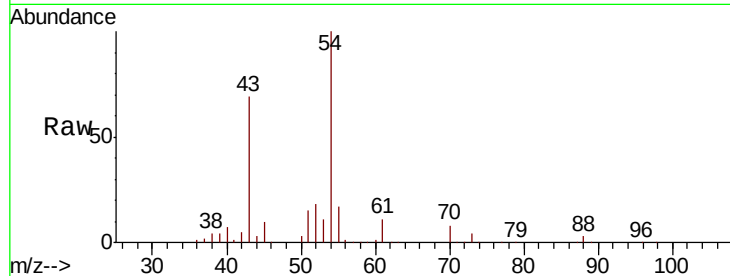
#37
Ethyl Acetate
Concen: 51.744 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.8	17.6
70	10.7	8.4	12.6

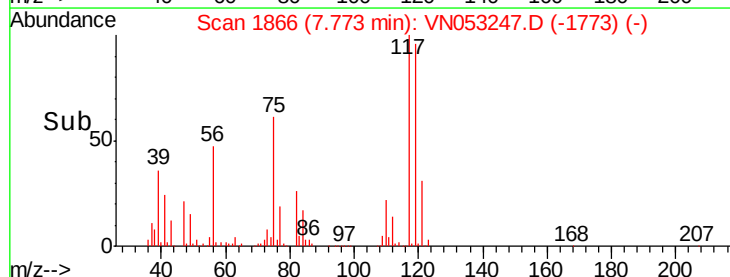
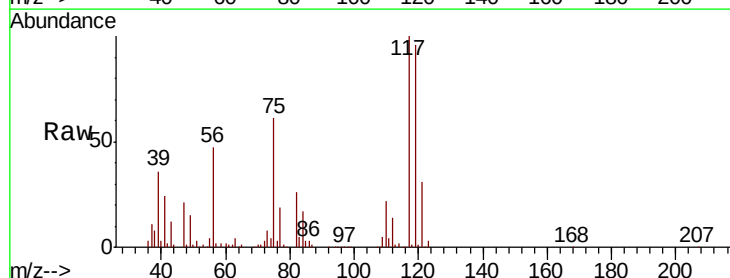
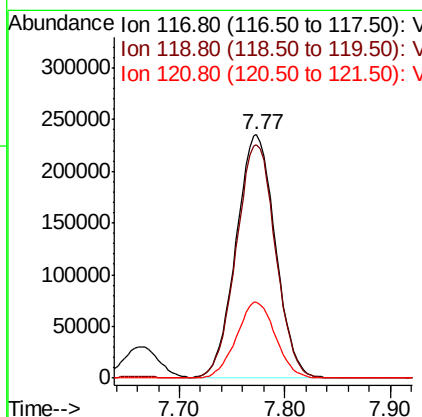
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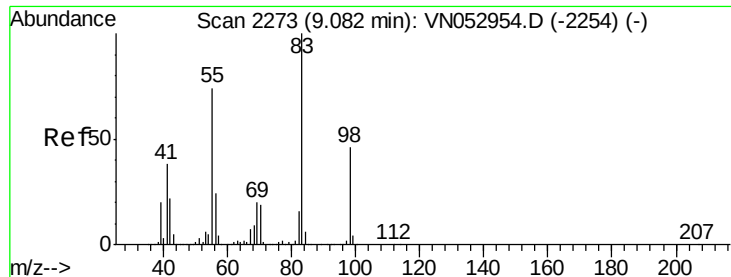
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#38
Carbon Tetrachloride
Concen: 53.967 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.1	115.7
121	31.3	24.9	37.3





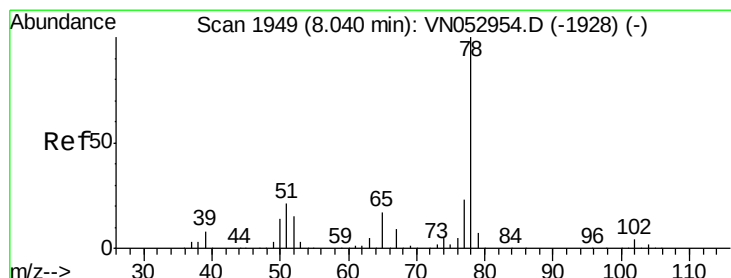
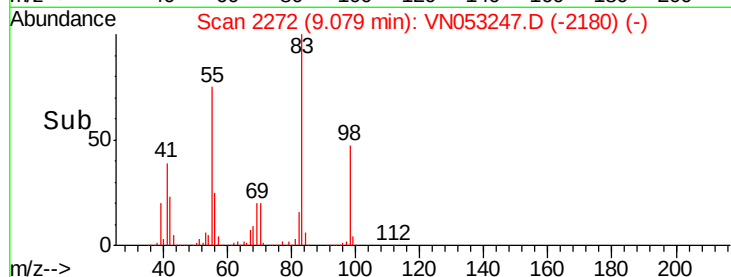
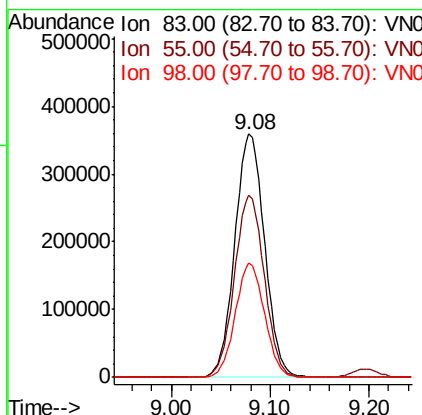
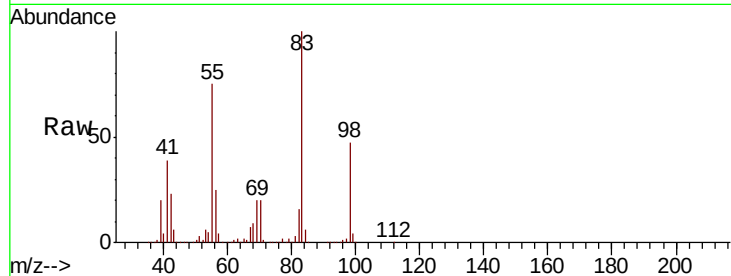
#39
Methylvlcyclohexane
Concen: 50.441 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.3	91.9
98	46.8	37.0	55.4

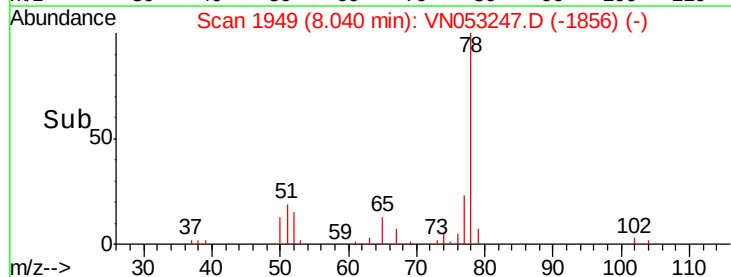
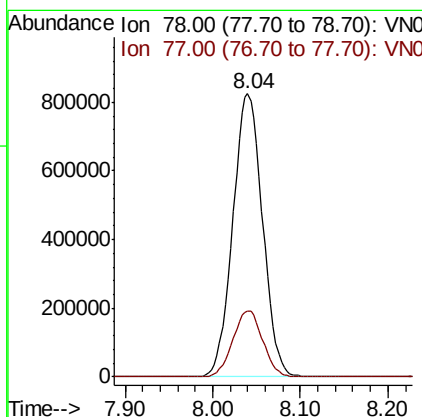
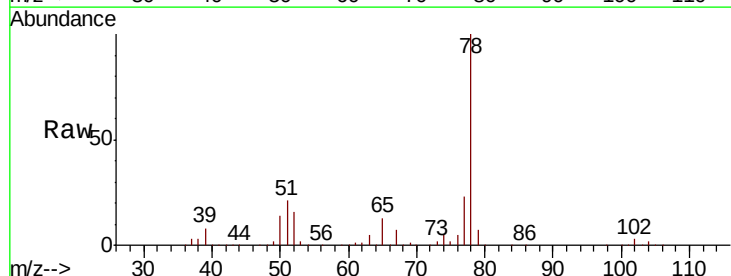
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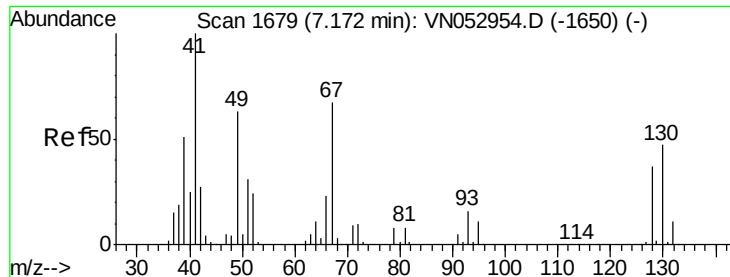
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#40
Benzene
Concen: 53.150 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





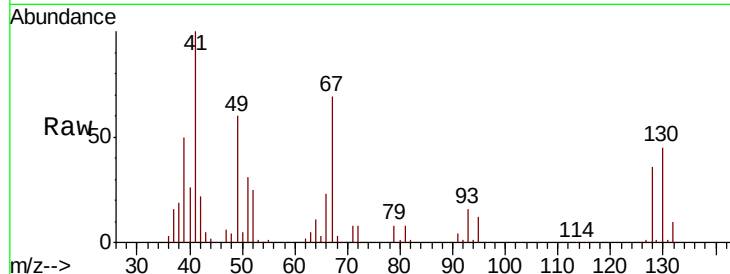
#41
Methacrylonitrile
Concen: 55.797 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	221086
Ion	Ratio	Lower	Upper
41	100		
39	53.9	48.0	72.0
67	80.4	70.3	105.5
52	30.1	26.9	40.3

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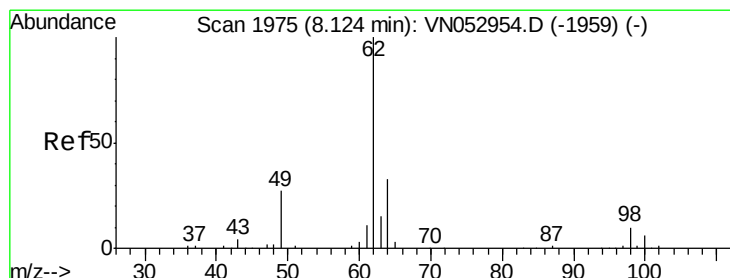
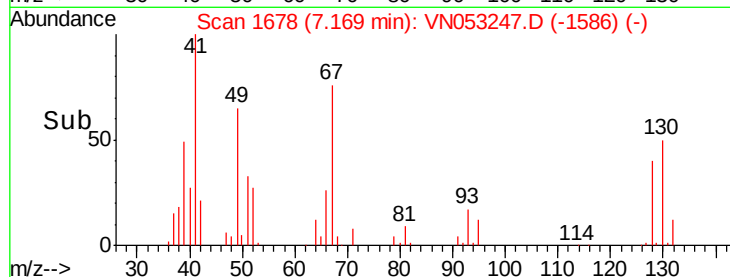
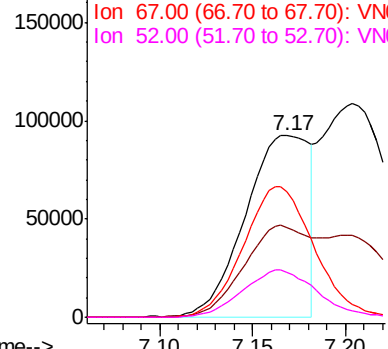
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

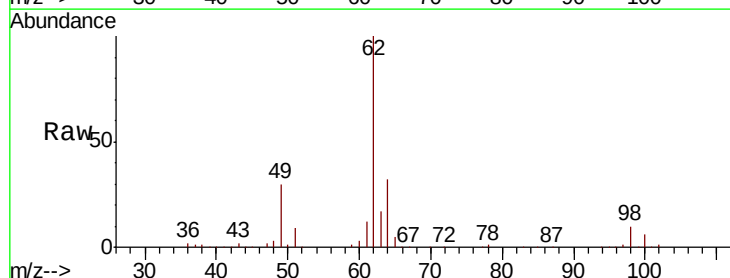
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 52.822 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

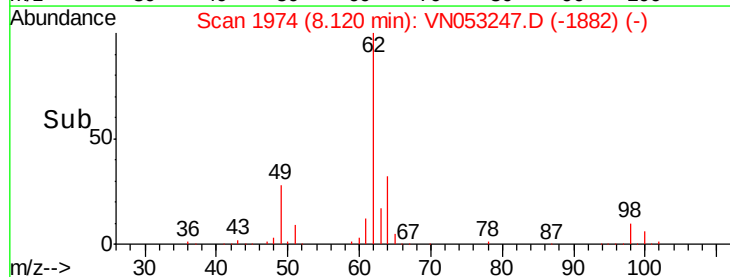
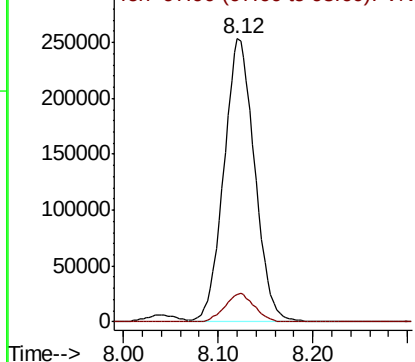
Tgt Ion:	62	Resp:	570191
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.0

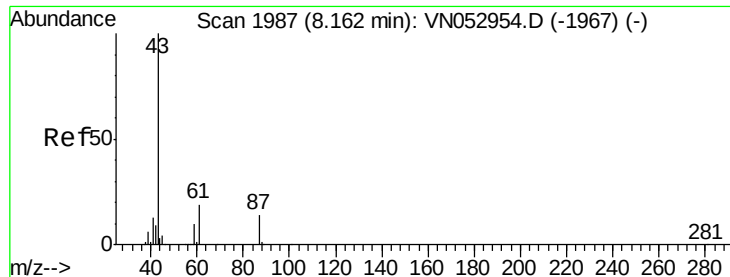


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 49.737 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

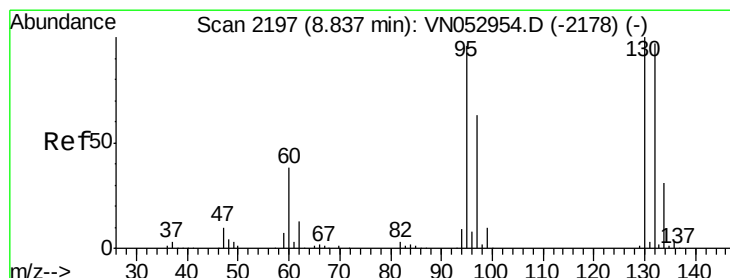
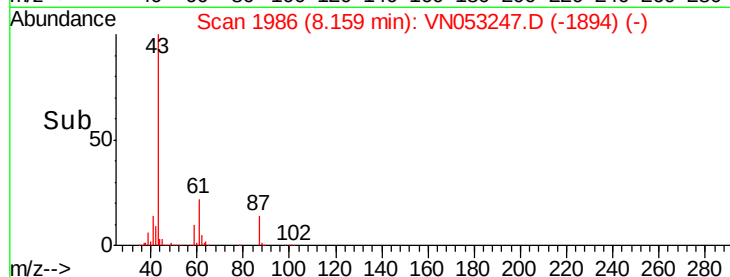
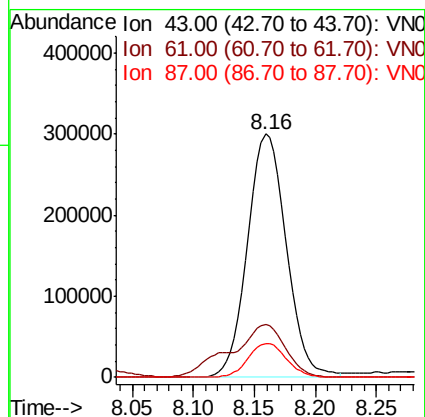
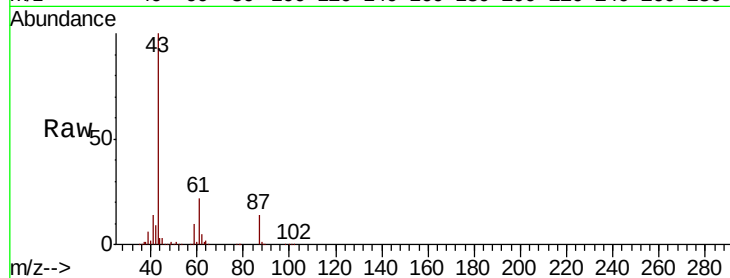
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	660138
Ion	Ratio	Lower	Upper
43	100		
61	22.2	22.9	34.3#
87	13.8	10.6	15.8

Manual Integrations
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MMDadoda
1/3/2019 9:55:48 AM



#44

Trichloroethene

Concen: 50.319 ug/l

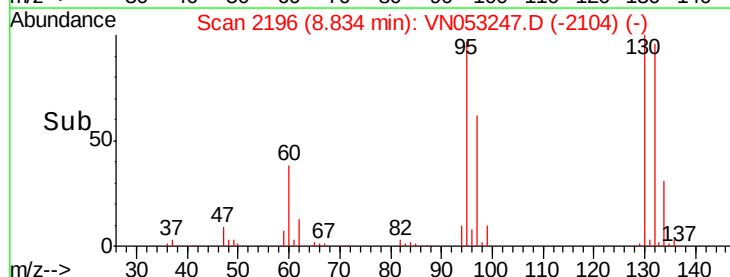
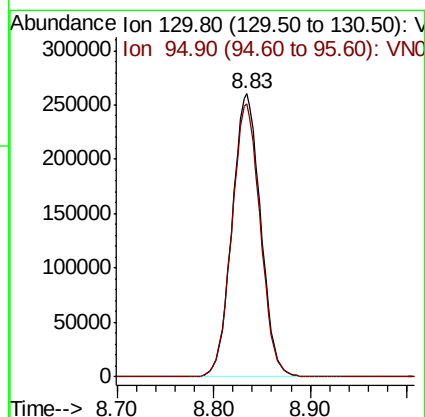
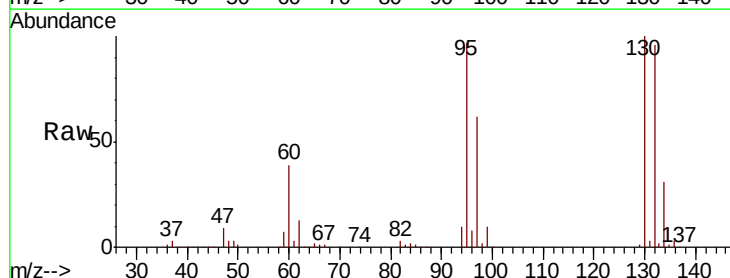
RT: 8.83 min Scan# 2196

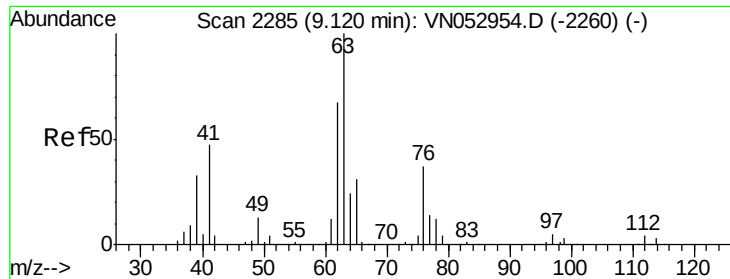
Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Tgt Ion:	130	Resp:	531811
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	197.8





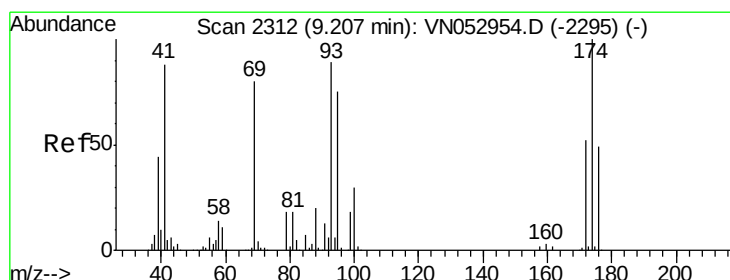
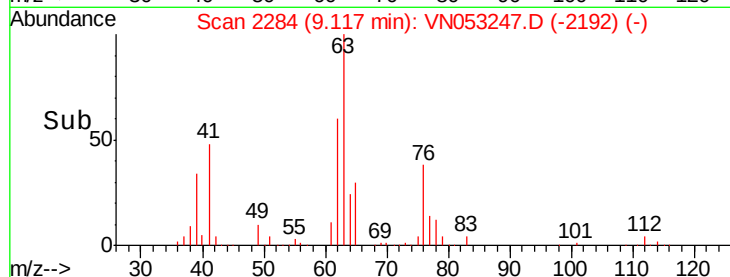
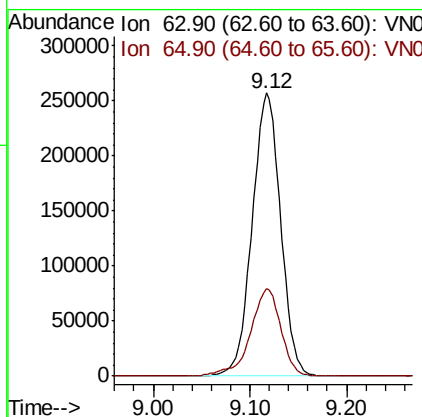
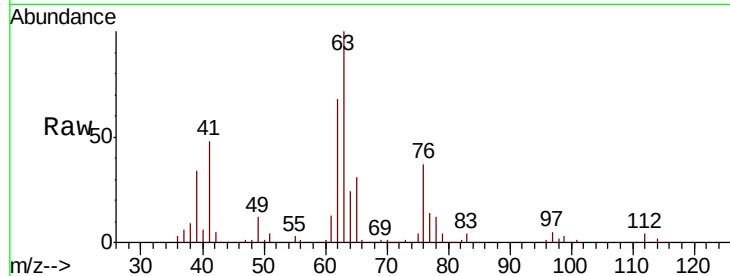
#45
 1,2-Dichloropropane
 Concen: 55.153 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 524923
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 37.0

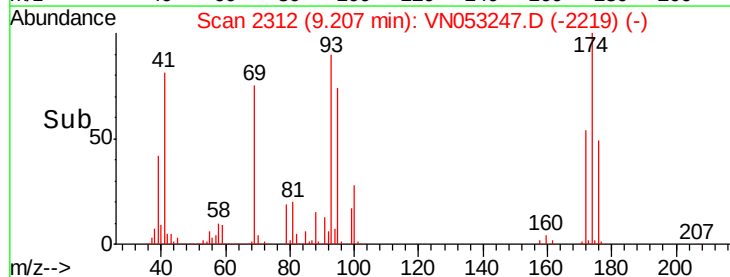
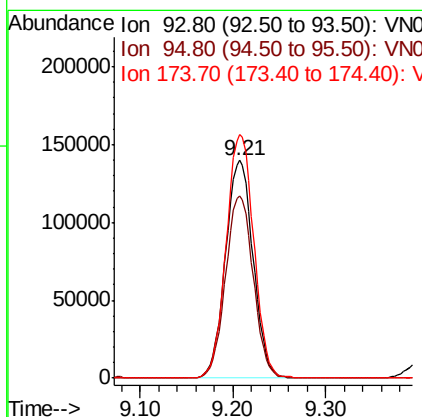
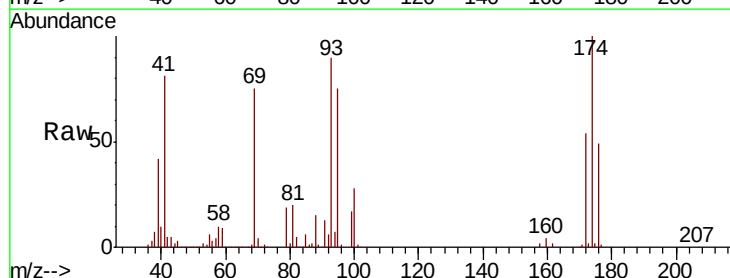
Manual Integrations
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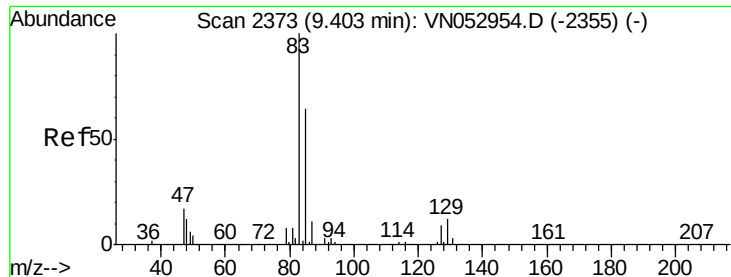
MMDadoda
 1/3/2019 9:55:48 AM



#46
 Dibromomethane
 Concen: 52.369 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion: 93 Resp: 290355
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.8 101.6
 174 111.5 89.0 133.4





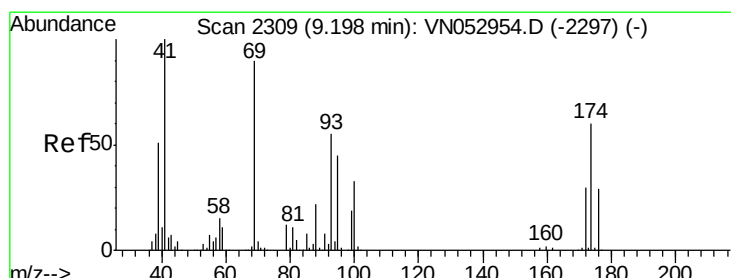
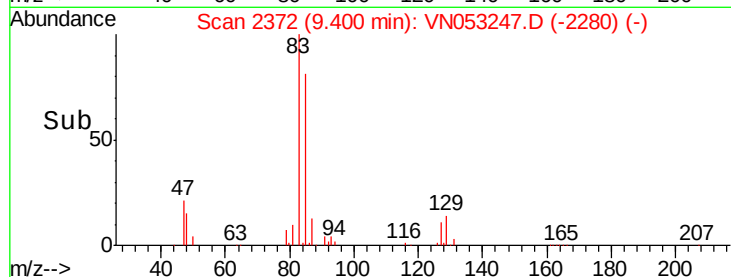
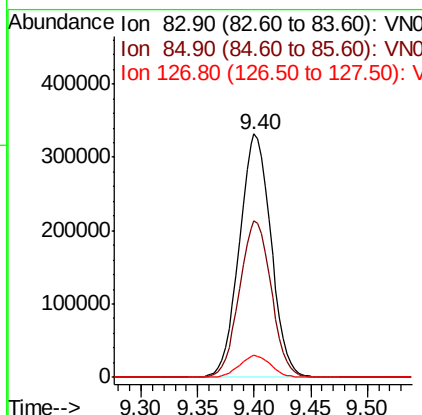
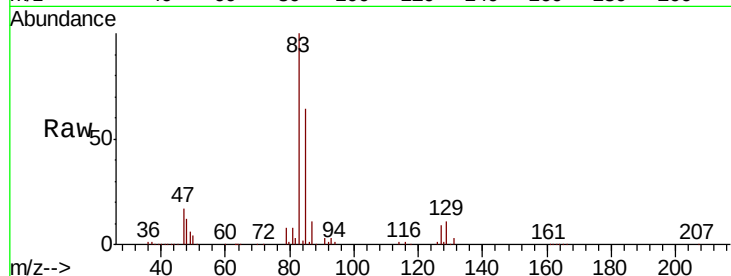
#47
Bromodichloromethane
Concen: 54.891 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	646918
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.6	77.4
127	9.0	7.1	10.7

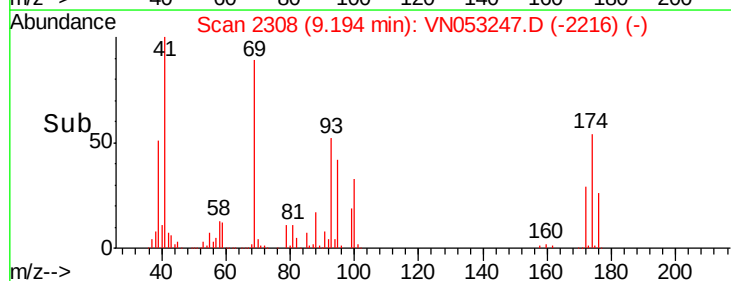
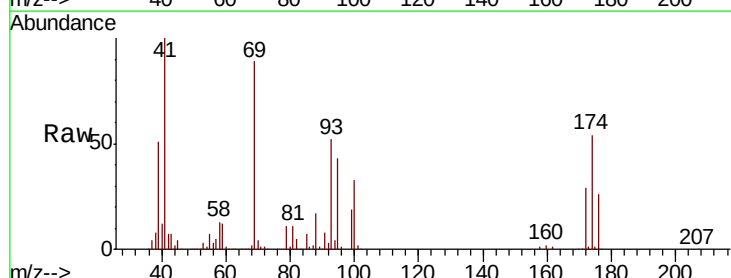
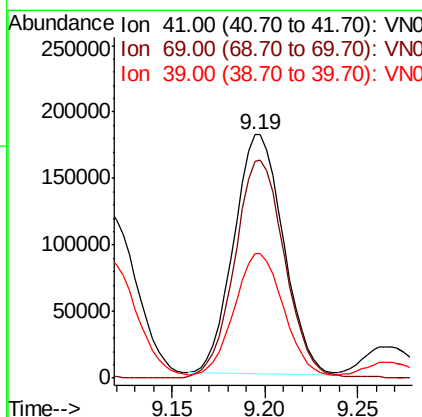
Manual Integrations
APPROVED

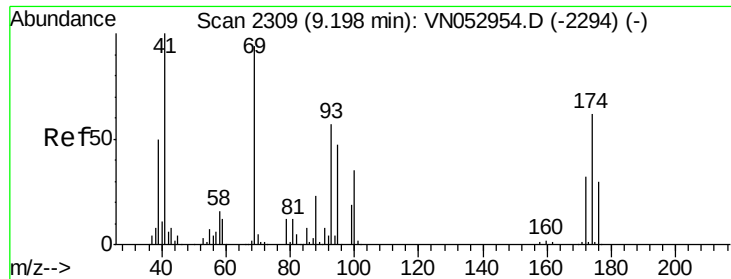
MMDadoda
1/3/2019 9:55:48 AM



#48
Methyl methacrylate
Concen: 50.367 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	41	Resp	335168
Ion Ratio	100	Lower	Upper
41	100		
69	92.8	72.2	108.2
39	52.6	41.9	62.9





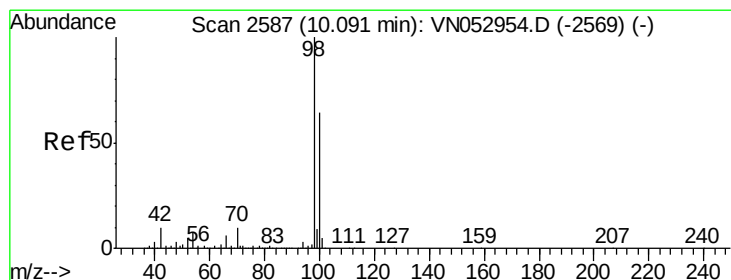
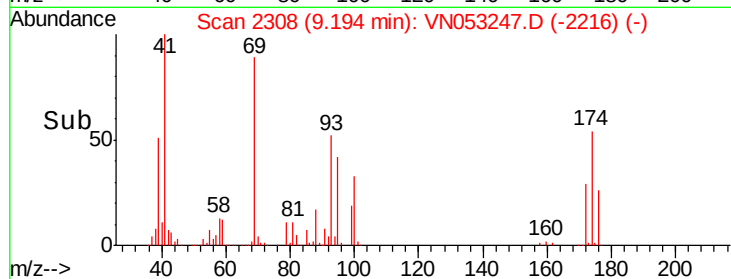
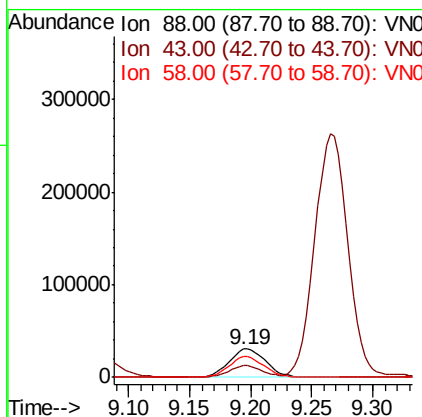
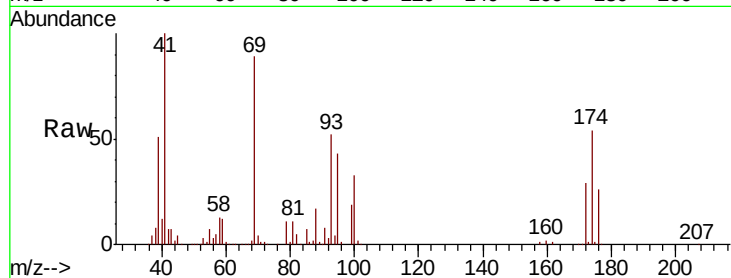
#49
1,4-Dioxane
Concen: 759.407 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	63925
Ion Ratio	100	Lower	Upper
88	100		
43	33.4	26.6	40.0
58	72.3	58.4	87.6

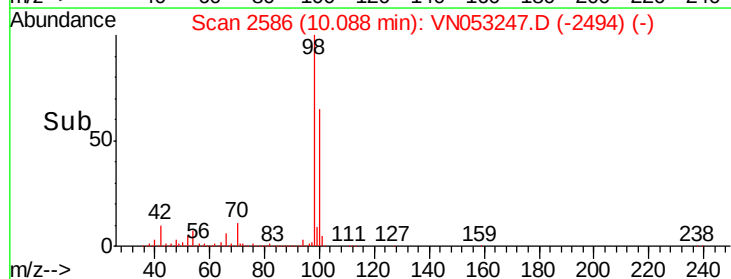
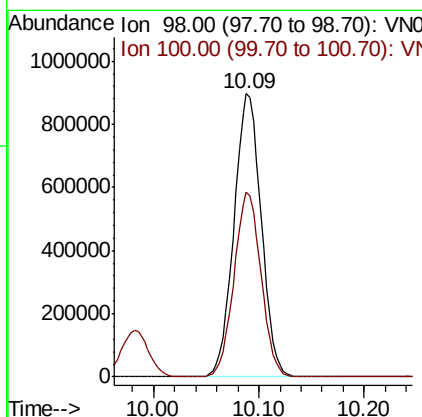
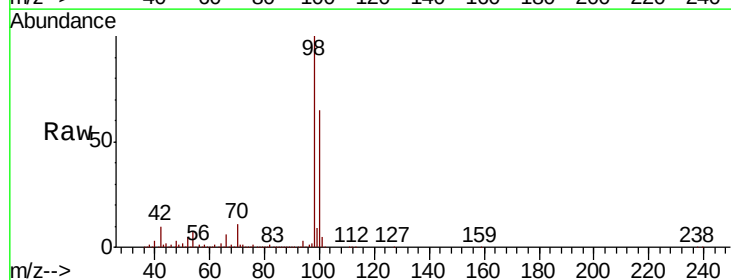
Manual Integrations
APPROVED

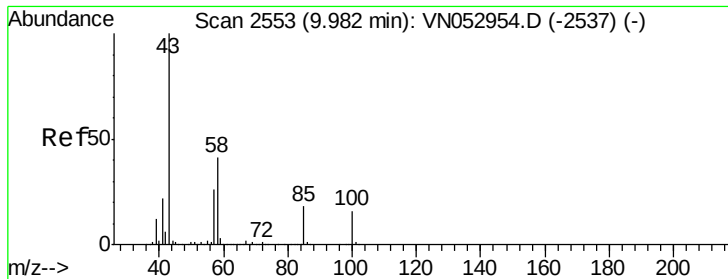
MMDadoda
1/3/2019 9:55:48 AM



#50
Toluene-d8
Concen: 759.407 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	98	Resp	1600655
Ion Ratio	100	Lower	Upper
98	100		
100	64.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 261.389 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1735940

Ion Ratio Lower Upper

43 100

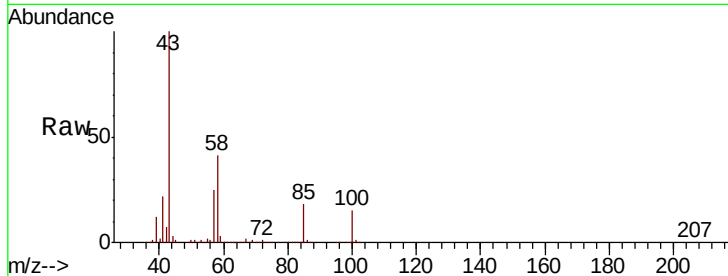
58 40.7 32.2 48.4

Manual Integrations

APPROVED

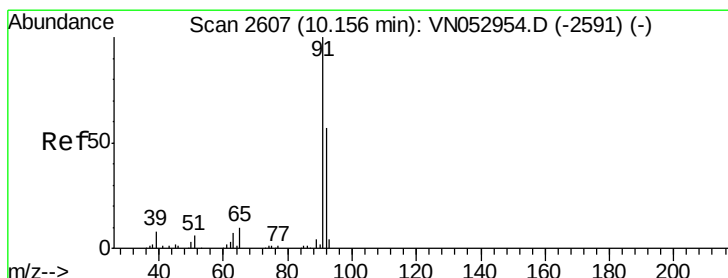
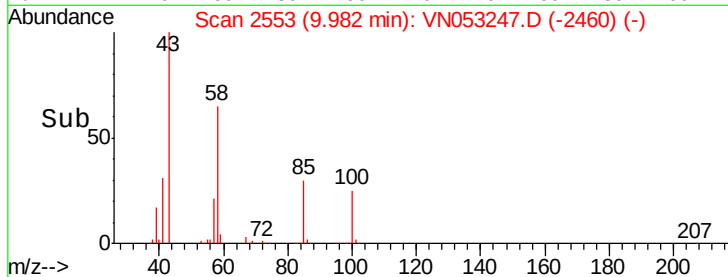
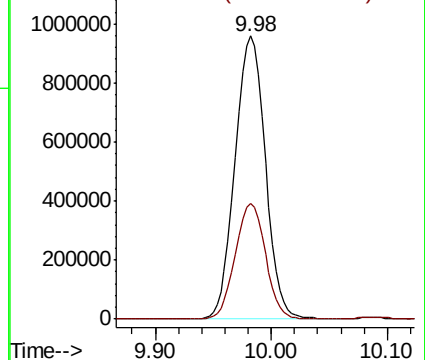
MMDadoda

1/3/2019 9:55:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.304 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053247.D

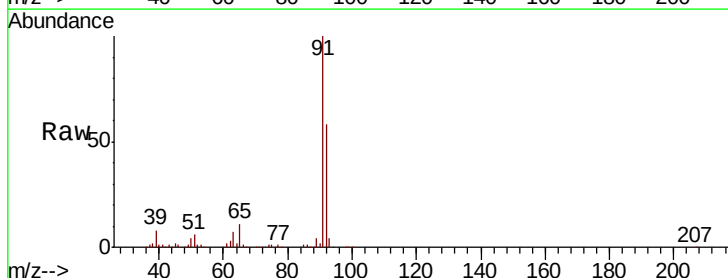
Acq: 2 Jan 2019 17:07

Tgt Ion: 92 Resp: 1207249

Ion Ratio Lower Upper

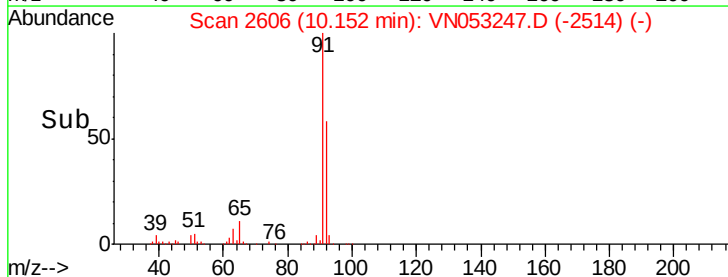
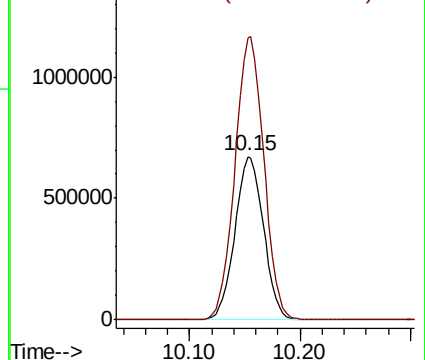
92 100

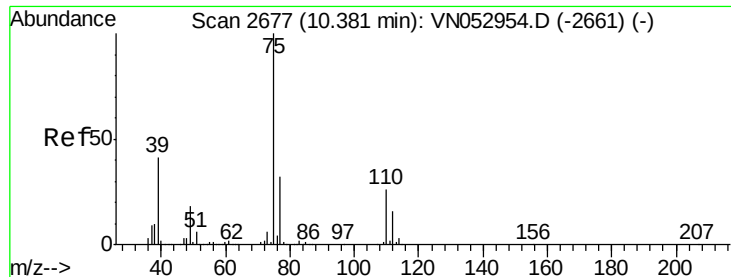
91 175.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





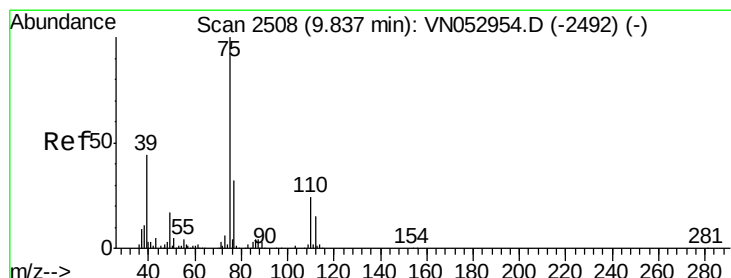
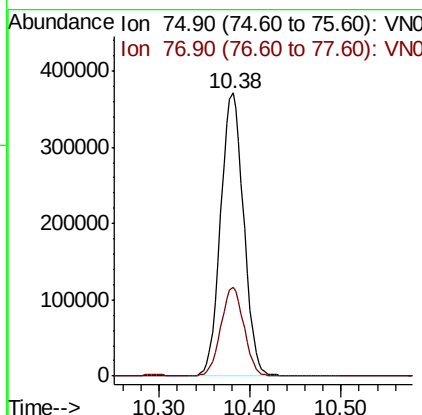
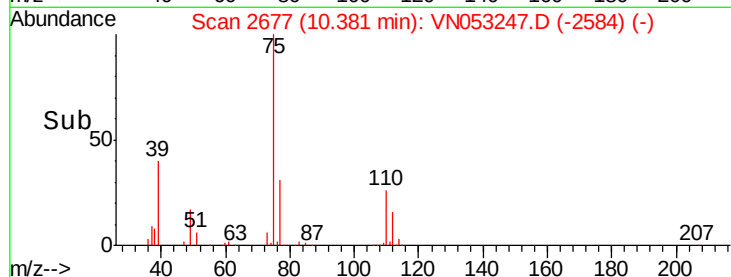
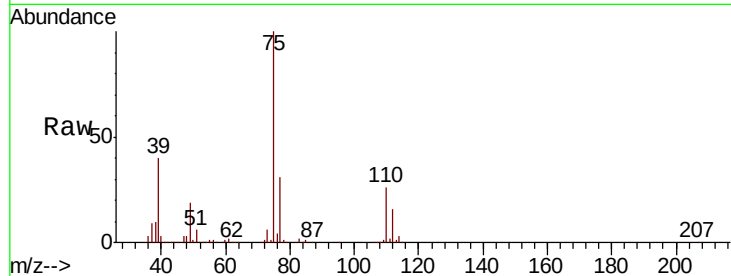
#53
t-1,3-Dichloropropene
Concen: 52.738 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4

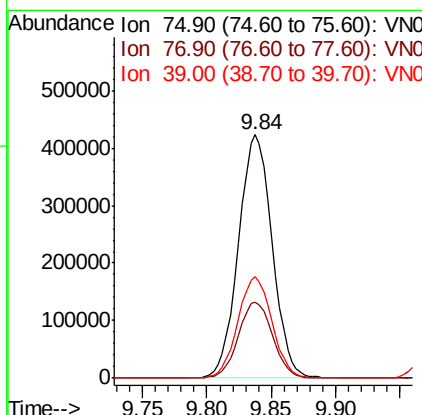
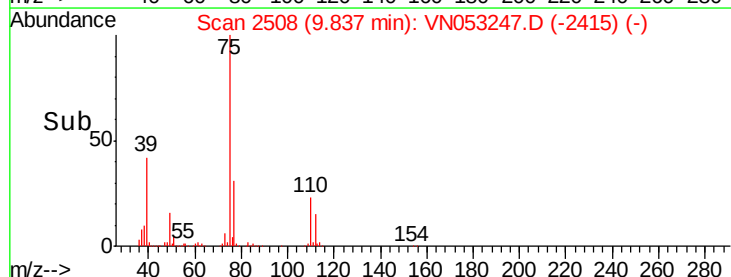
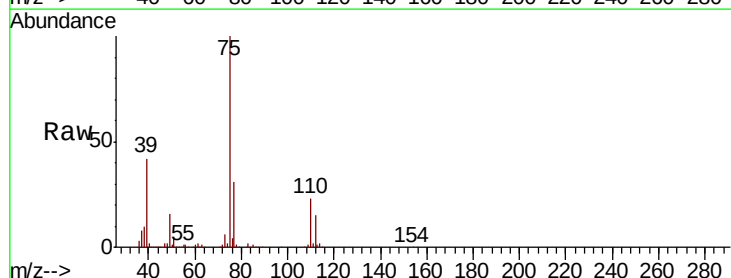
Manual Integrations
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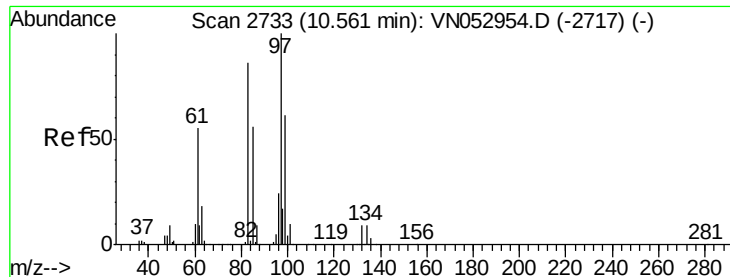
MMDadoda
1/3/2019 9:55:48 AM



#54
cis-1,3-Dichloropropene
Concen: 54.176 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8
39	41.5	34.8	52.2





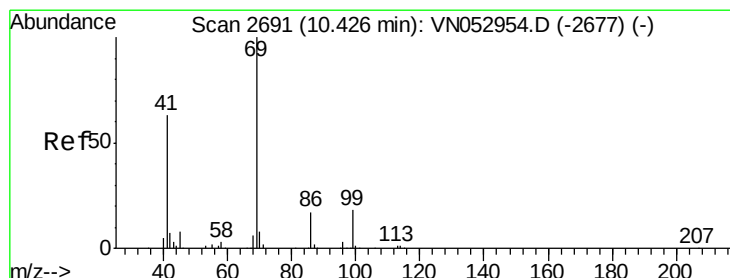
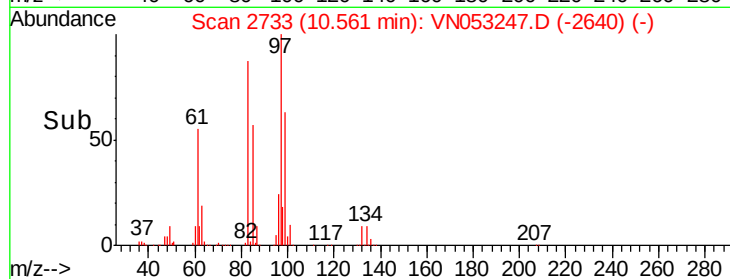
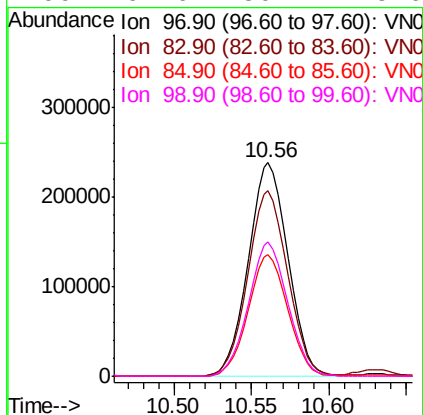
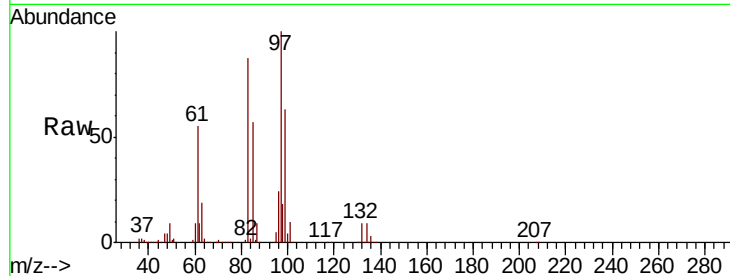
#55
 1,1,2-Trichloroethane
 Concen: 53.815 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	425207
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.9	106.3
85	56.9	45.4	68.2
99	62.6	50.4	75.6

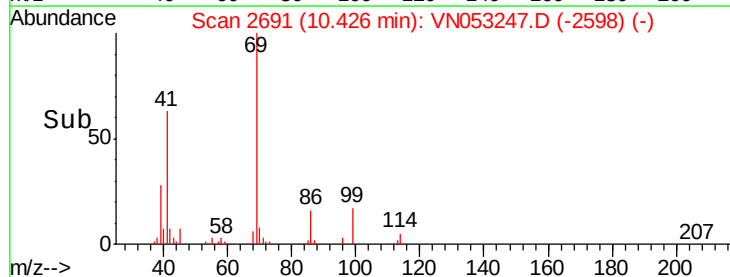
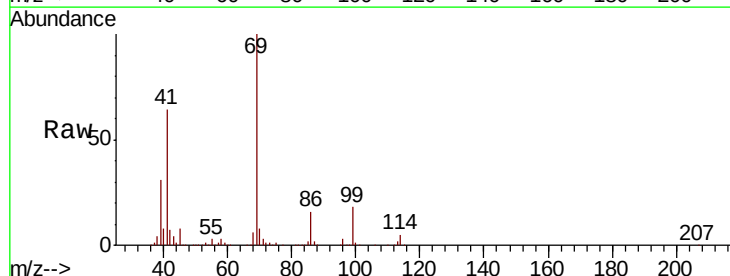
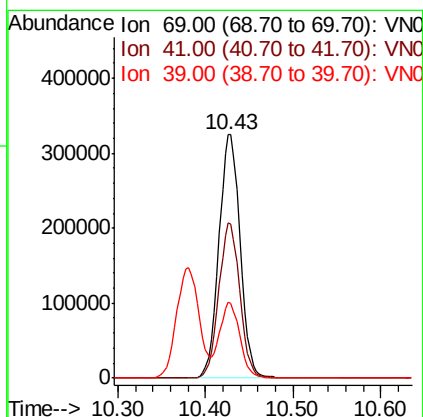
Manual Integrations
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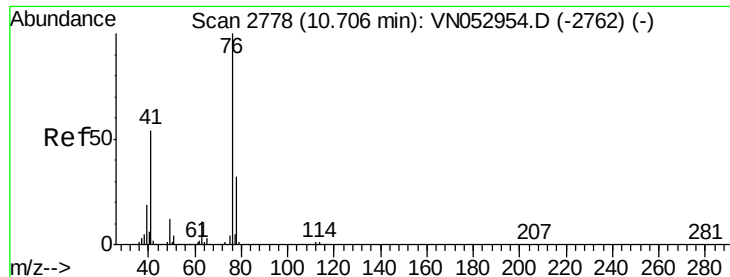
MMDadoda
 1/3/2019 9:55:48 AM



#56
 Ethyl methacrylate
 Concen: 52.200 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion:	69	Resp:	545917
Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.7	77.5
39	29.4	24.6	37.0





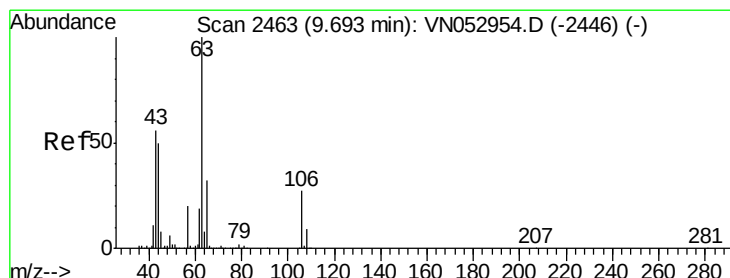
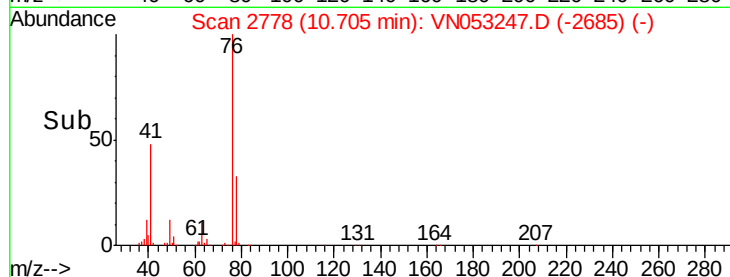
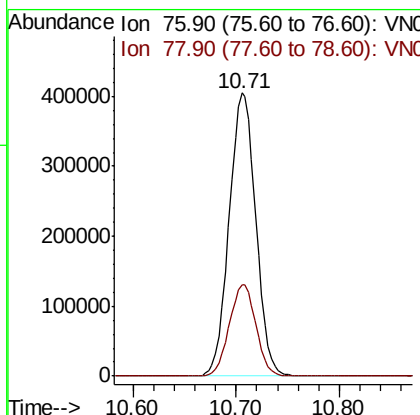
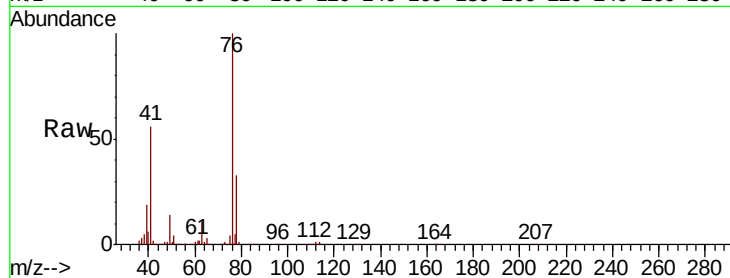
#57
 1,3-Dichloropropane
 Concen: 53.704 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

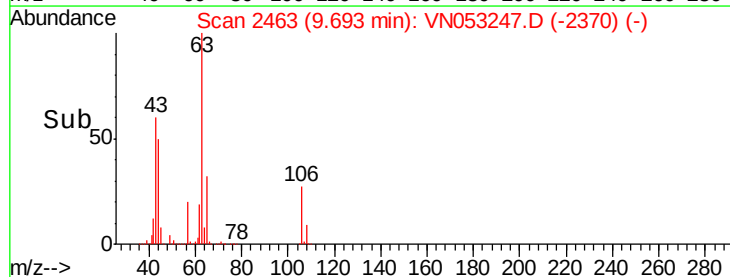
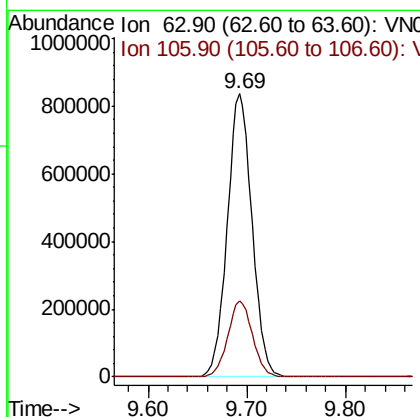
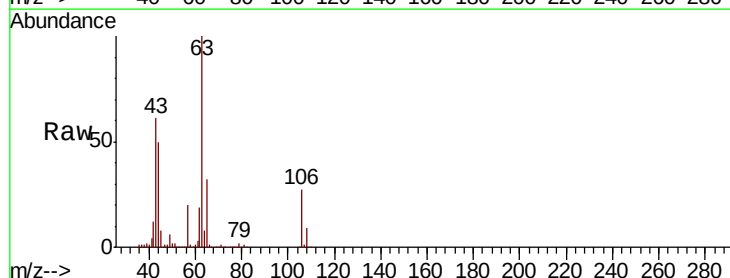
Manual Integrations
 APPROVED

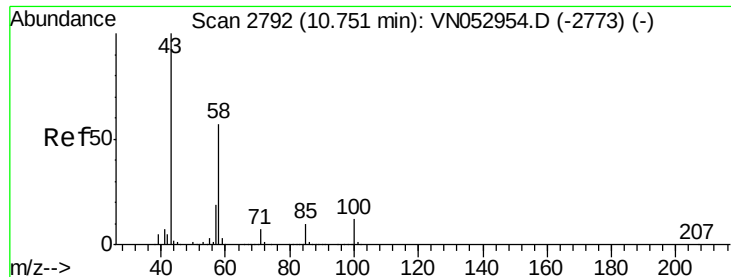
MMDadoda
 1/3/2019 9:55:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.338 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.0	31.6





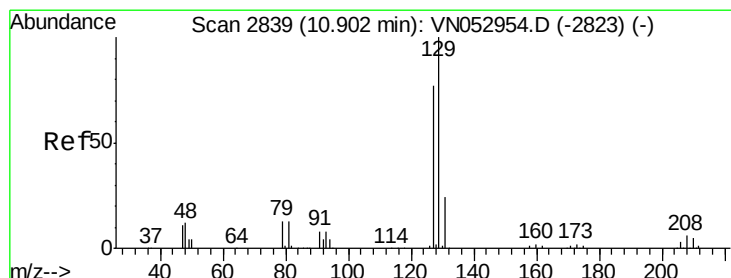
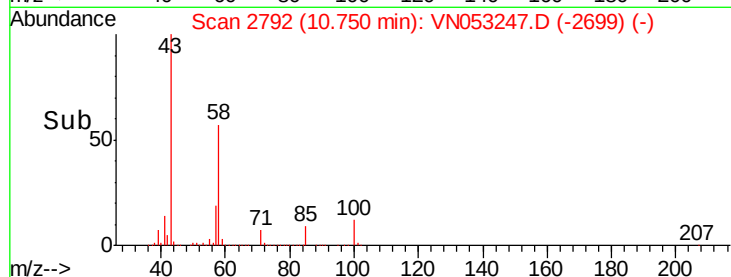
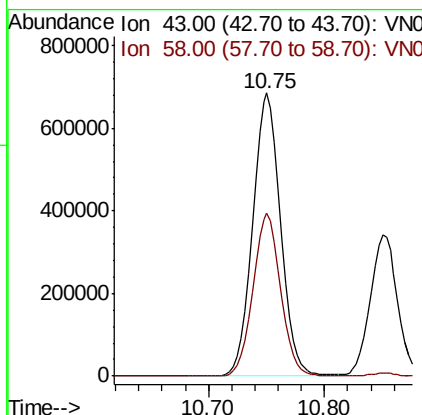
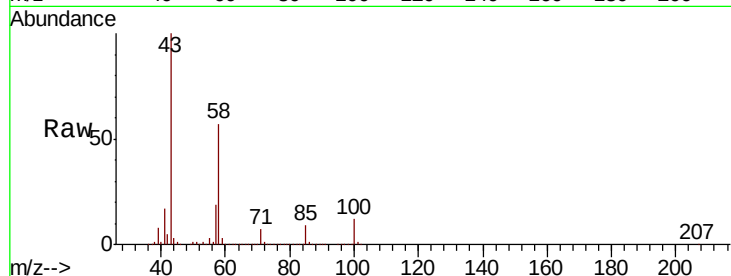
#59
2-Hexanone
Concen: 255.986 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1150228
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.3

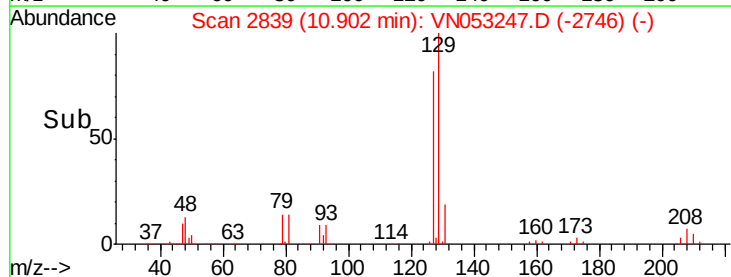
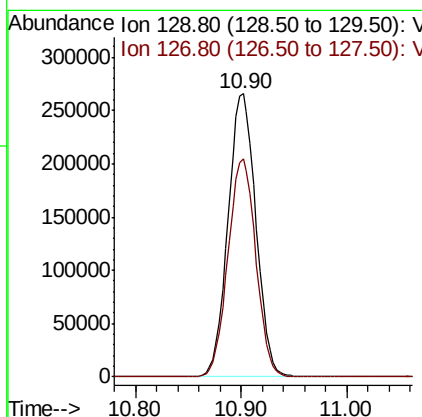
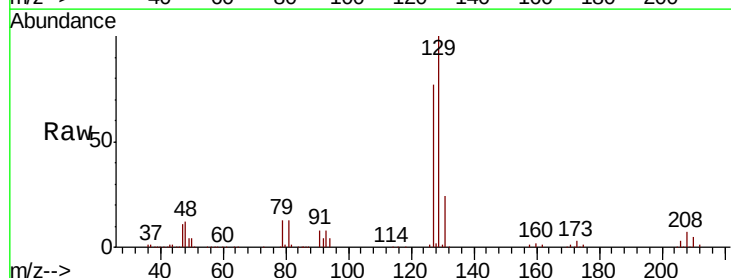
Manual Integrations
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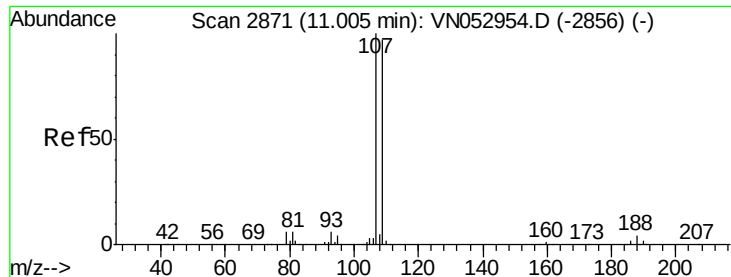
MMDadoda
1/3/2019 9:55:48 AM



#60
Dibromochloromethane
Concen: 53.652 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion: 129 Resp: 485252
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





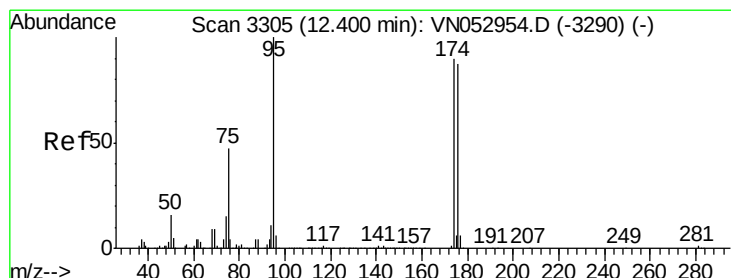
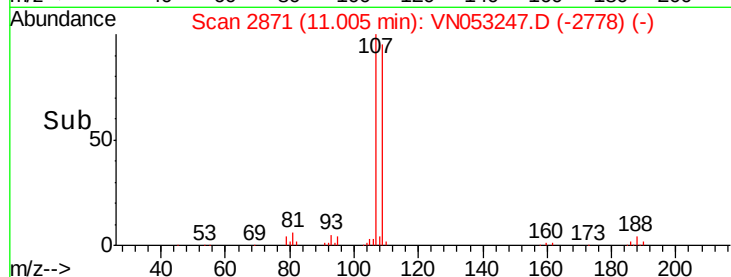
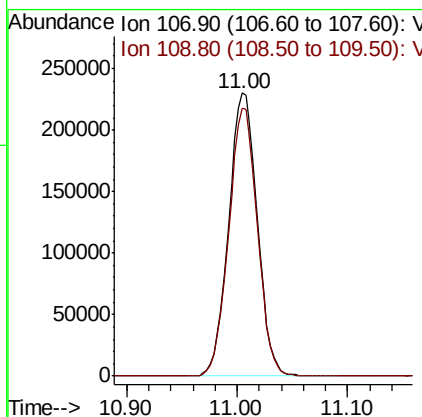
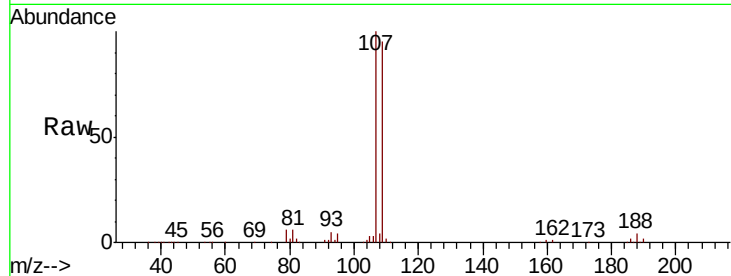
#61
 1,2-Dibromoethane
 Concen: 51.510 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 413352
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.0

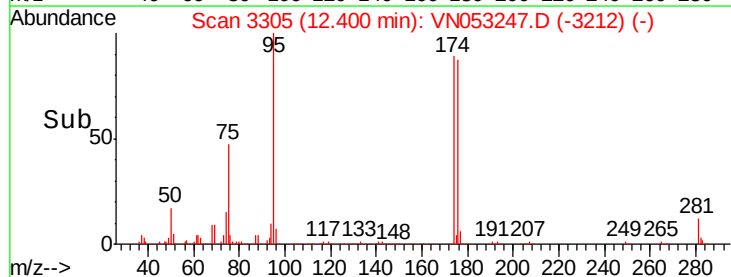
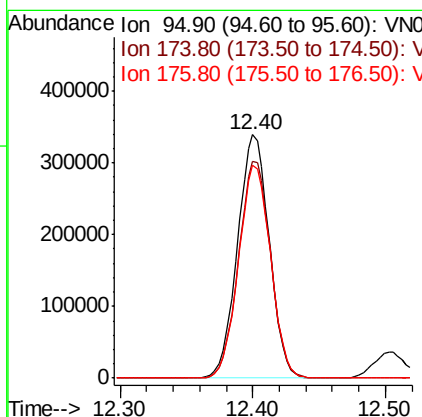
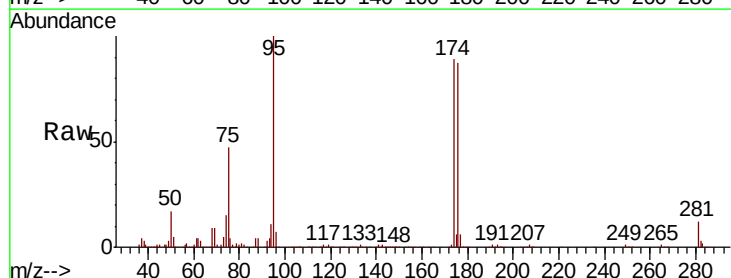
Manual Integrations
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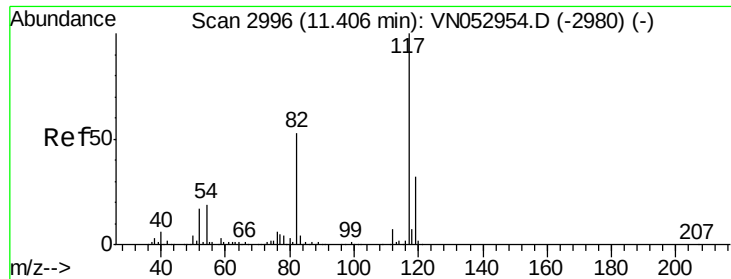
MMDadoda
 1/3/2019 9:55:48 AM



#62
 4-Bromofluorobenzene
 Concen: 51.510 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion: 95 Resp: 561809
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 178.8
 176 88.3 0.0 173.8





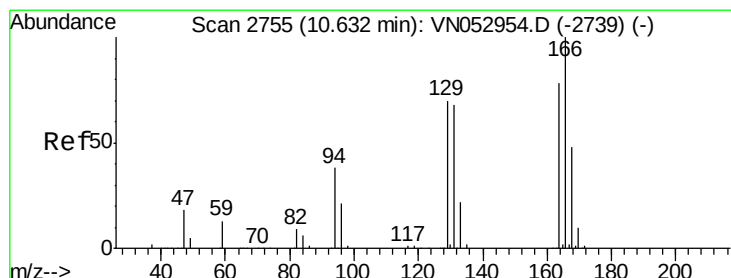
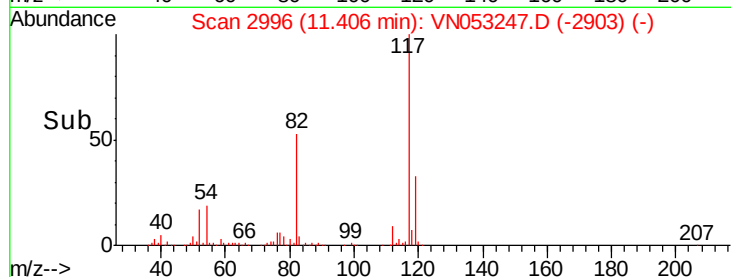
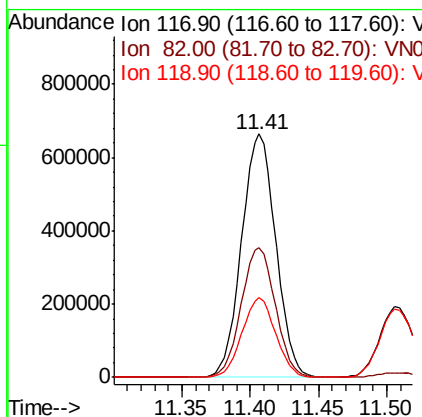
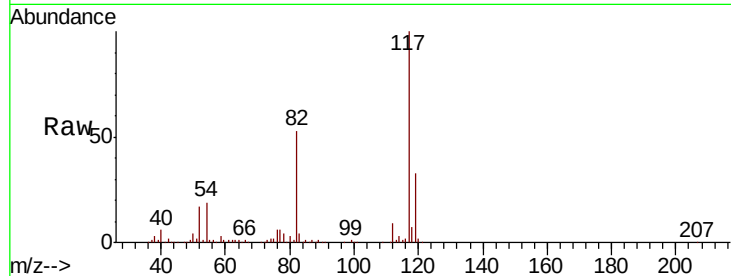
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.8	64.2
119	32.7	25.5	38.3

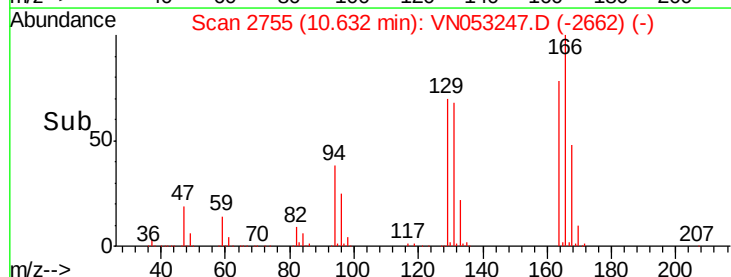
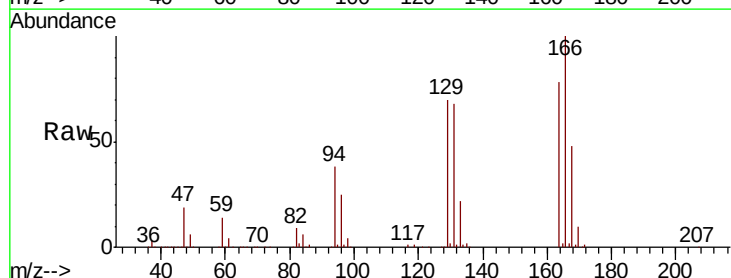
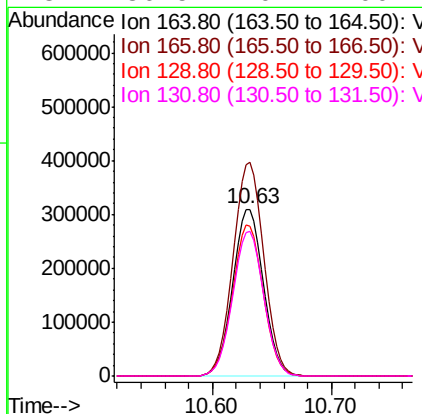
Manual Integrations
APPROVED

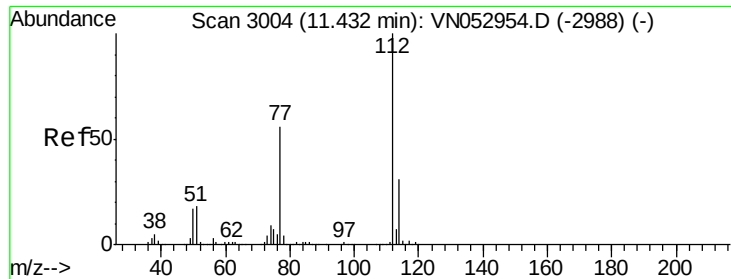
MMDadoda
1/3/2019 9:55:48 AM



#64
Tetrachloroethene
Concen: 44.089 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.9	154.3
129	90.0	73.7	110.5
131	86.5	70.7	106.1





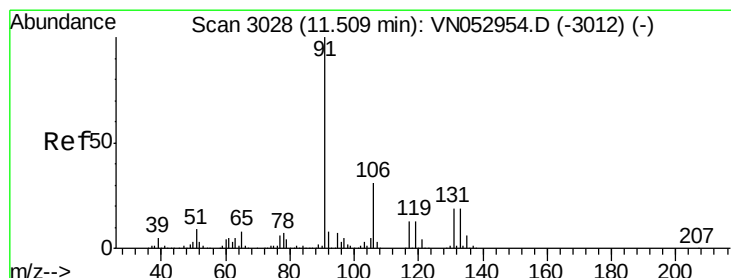
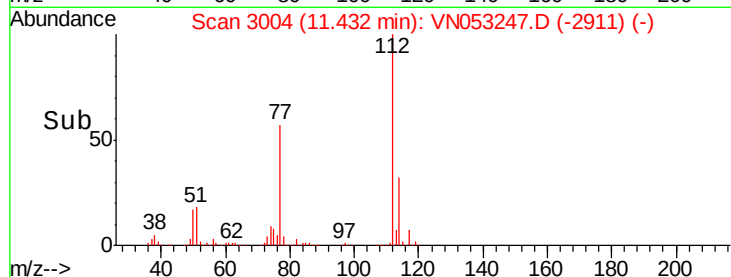
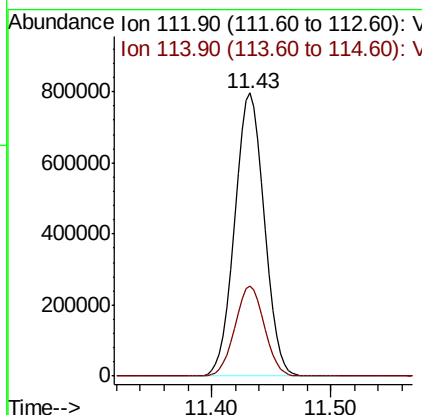
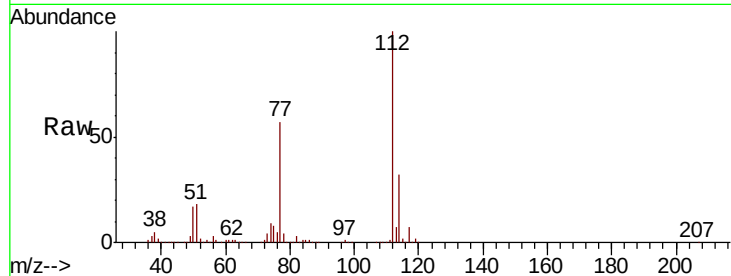
#65
Chlorobenzene
Concen: 53.346 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1368780
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

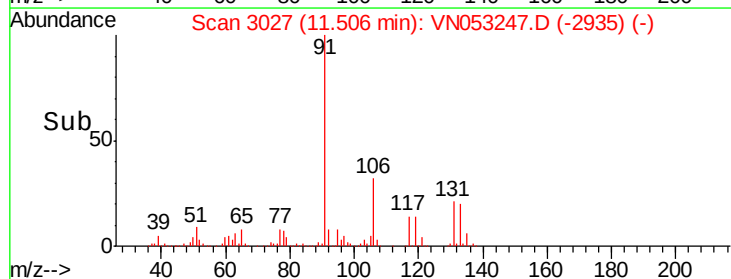
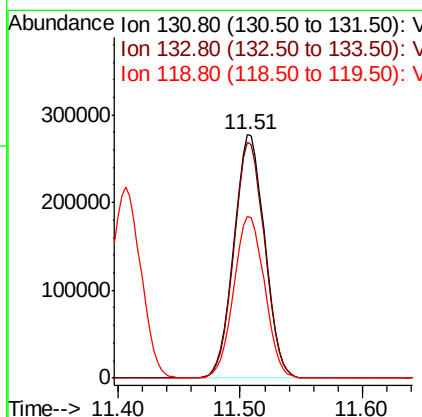
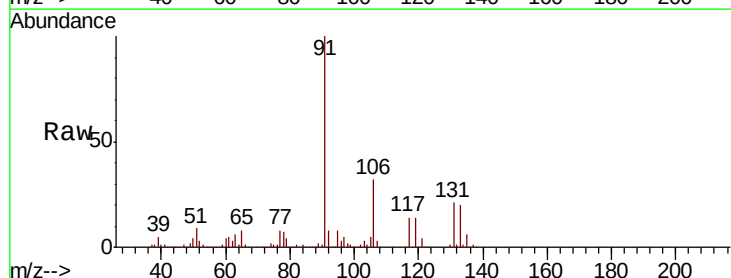
Manual Integrations
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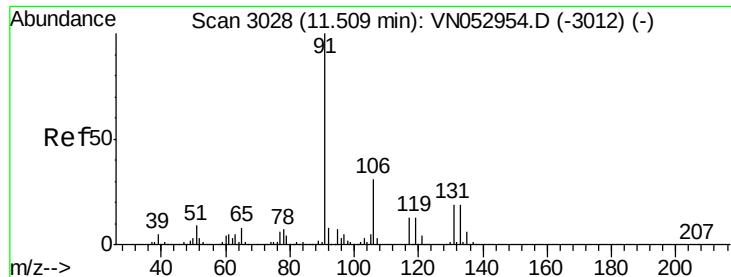
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.327 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion:131 Resp: 484749
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.9
119 66.8 33.3 99.8





#67

Ethyl Benzene

Concen: 53.214 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2348155

Ion Ratio Lower Upper

91 100

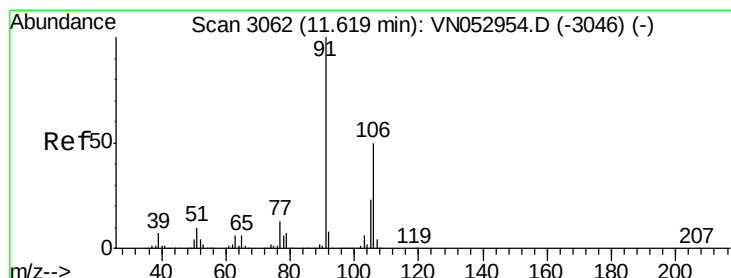
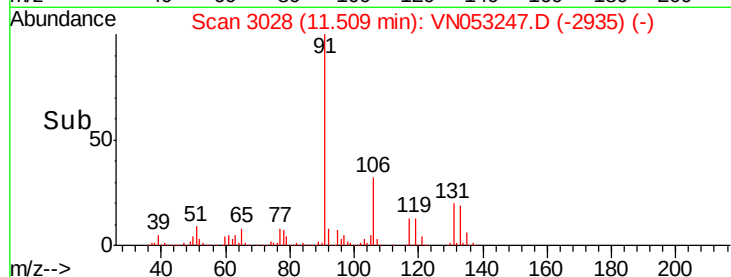
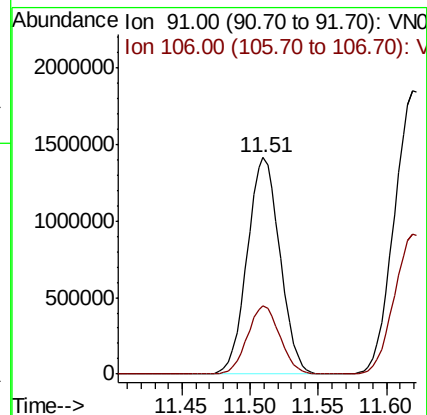
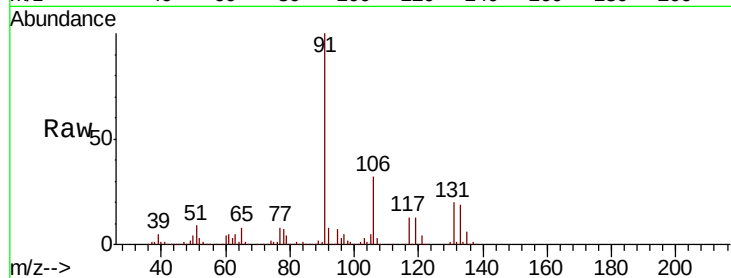
106 31.6 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 106.259 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053247.D

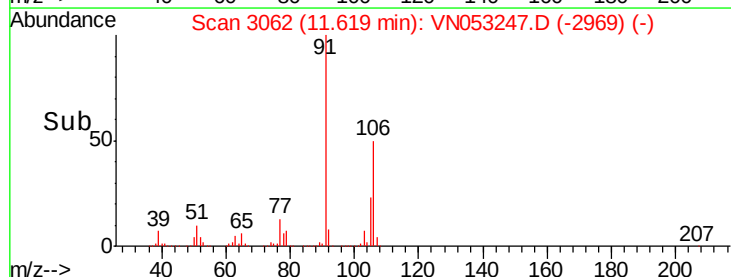
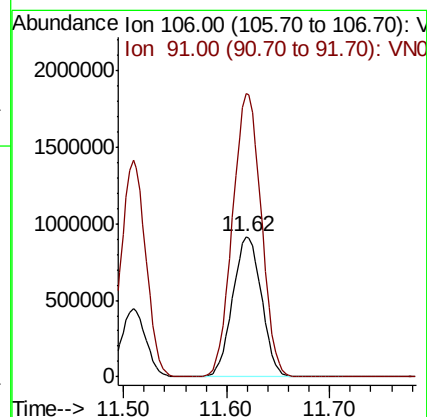
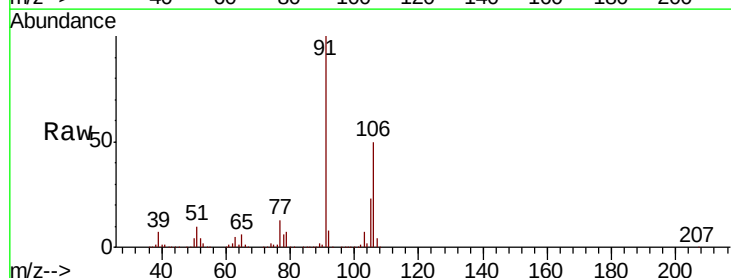
Acq: 2 Jan 2019 17:07

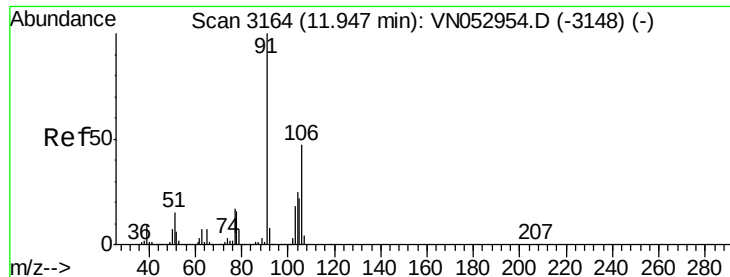
Tgt Ion: 106 Resp: 1782476

Ion Ratio Lower Upper

106 100

91 201.1 162.2 243.4





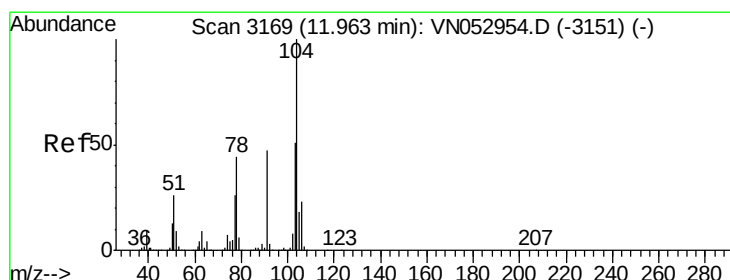
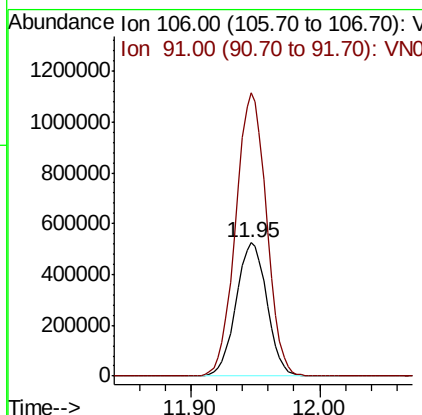
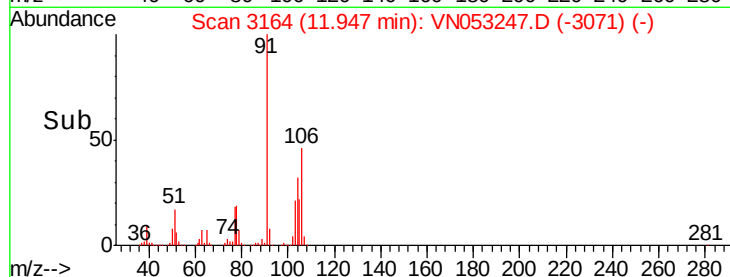
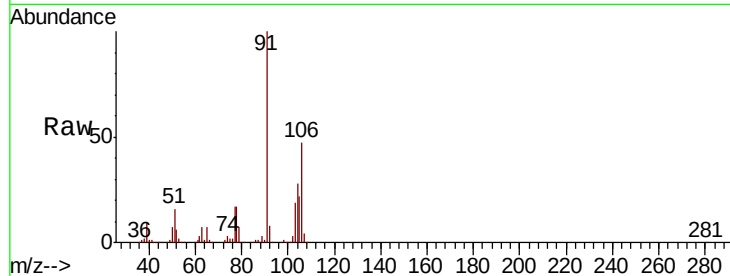
#69
o-Xylene
Concen: 54.246 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.5	106.6	319.8	

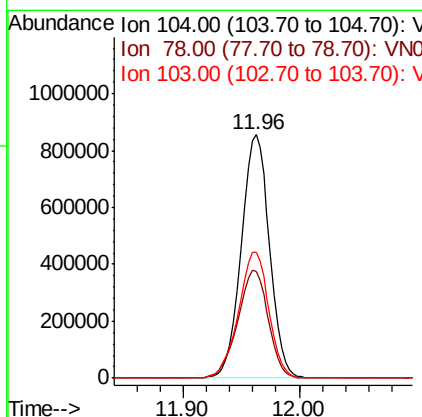
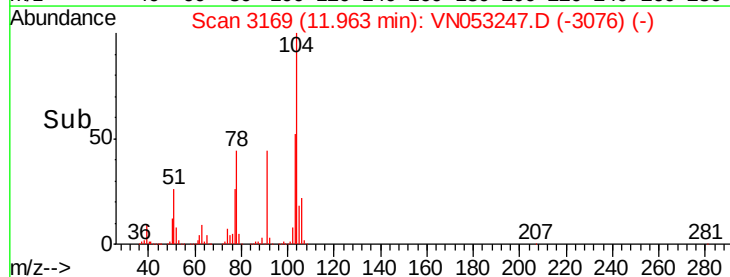
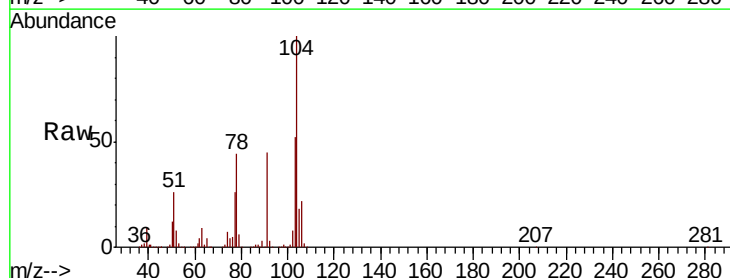
Manual Integrations
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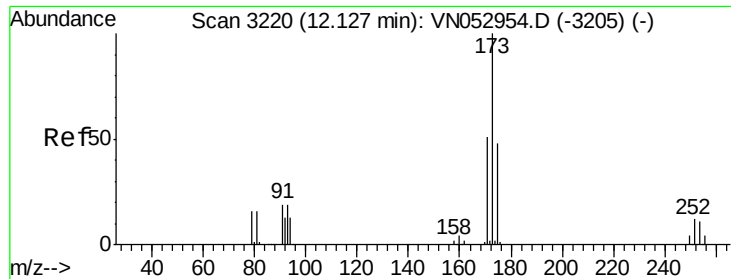
MMDadoda
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#70
Styrene
Concen: 54.869 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053247.D
Acq: 2 Jan 2019 17:07

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.1	38.9	58.3	
103	55.6	44.3	66.5	





#71

Bromoform

Concen: 48.525 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

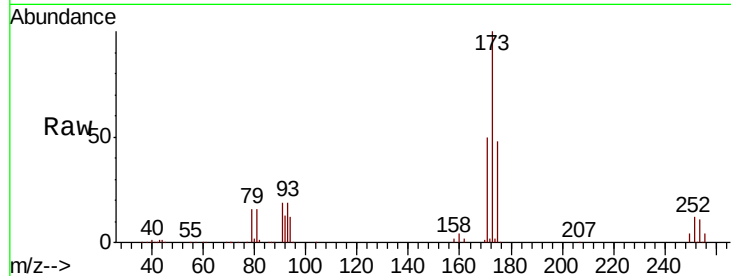
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.9
254	0.1	0.1	0.1

Manual Integrations
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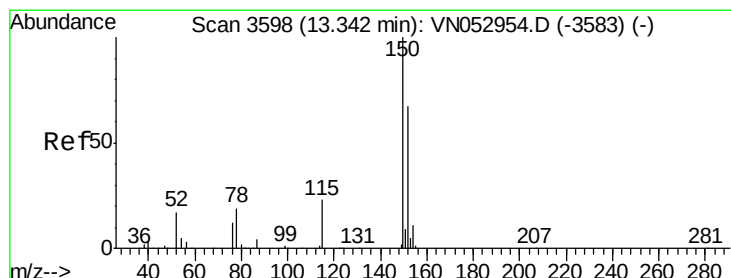
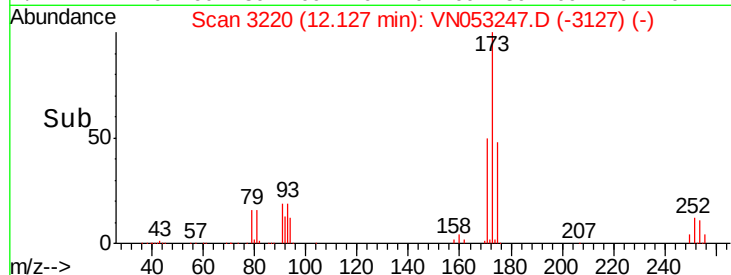
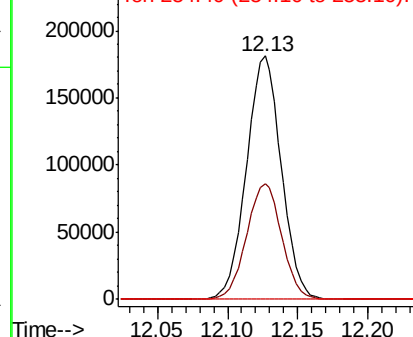


Abundance

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: VN053247.D

Acq: 2 Jan 2019 17:07

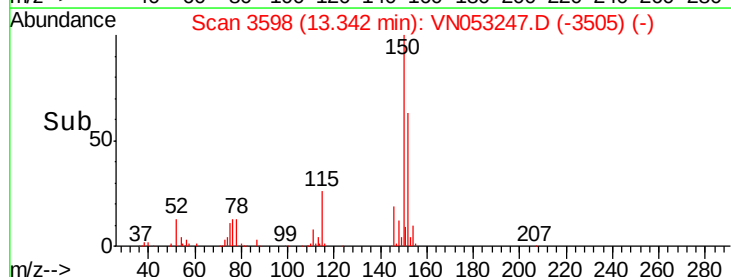
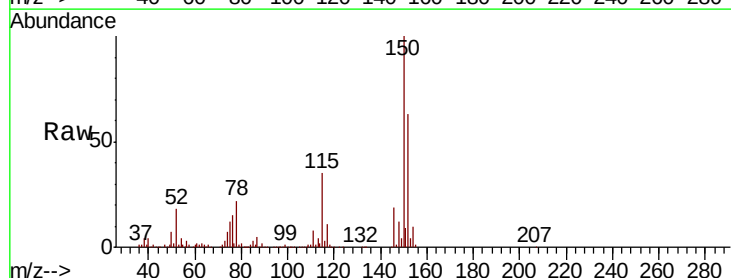
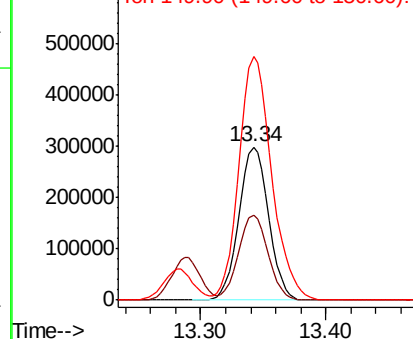
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.3	85.0
150	176.1	0.0	347.8

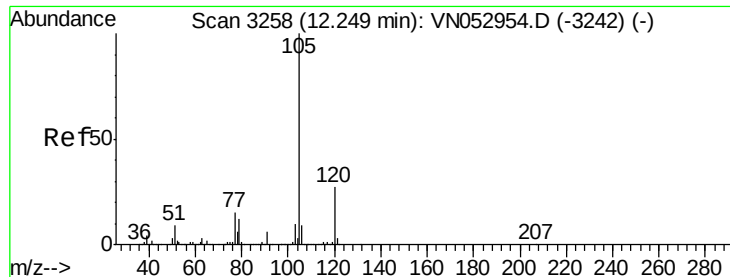
Abundance

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: 60.600 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2320096

Ion Ratio Lower Upper

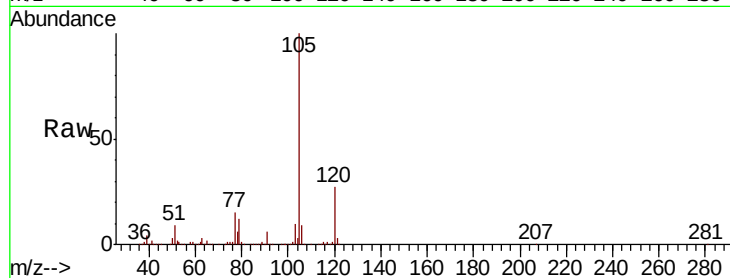
105 100

120 27.1 13.3 39.9

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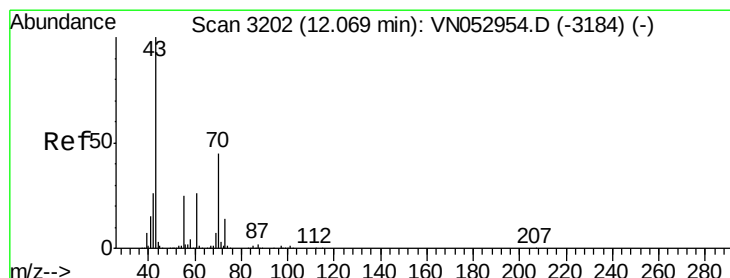
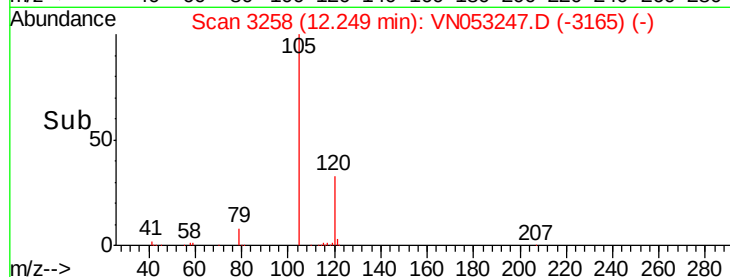
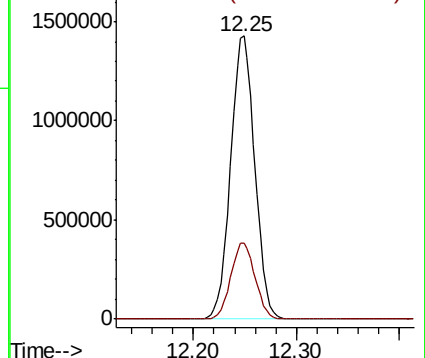
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.608 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Tgt Ion: 43 Resp: 601715

Ion Ratio Lower Upper

43 100

70 43.6 34.2 51.4

55 25.3 20.3 30.5

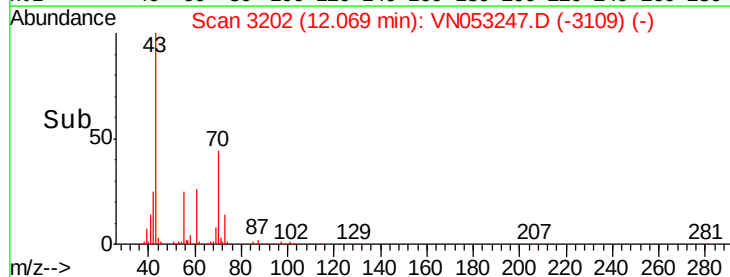
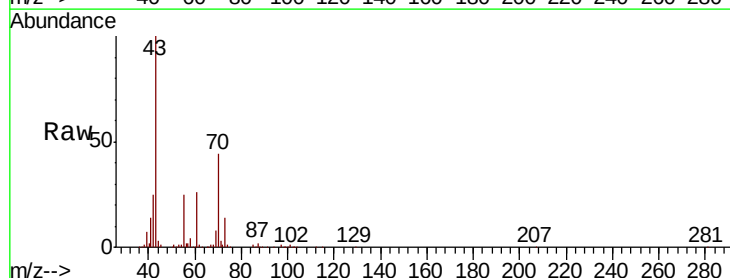
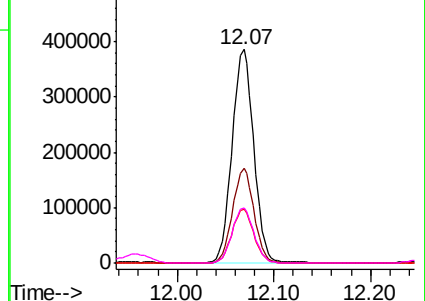
61 25.7 20.0 30.0

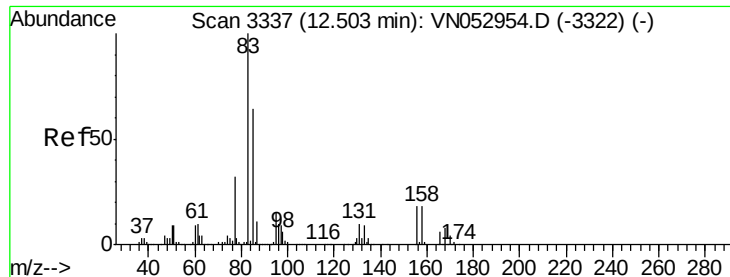
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.733 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

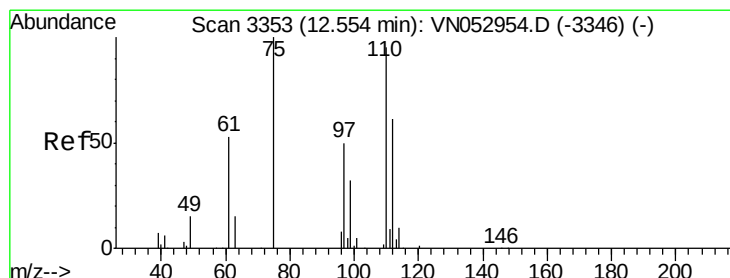
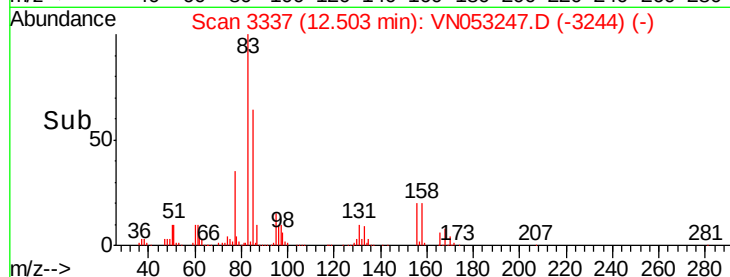
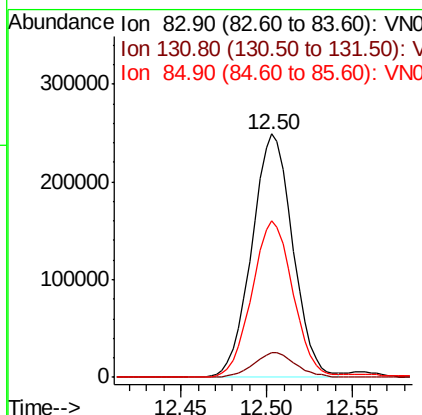
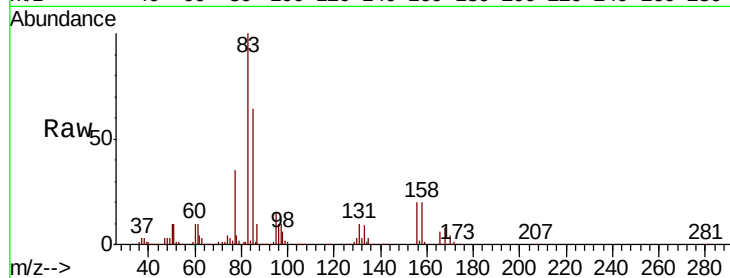
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	411103
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.3	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.469 ug/l m

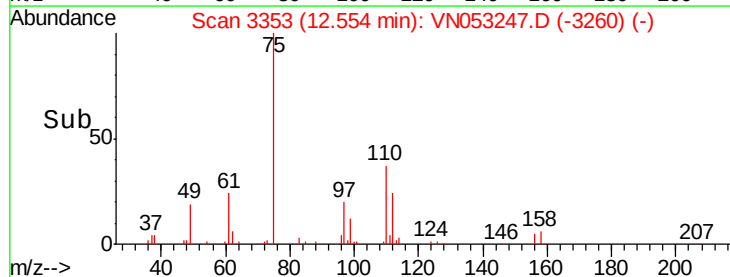
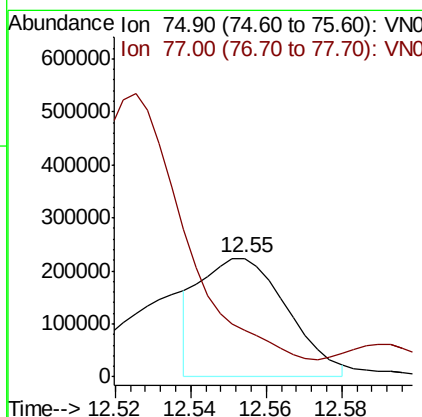
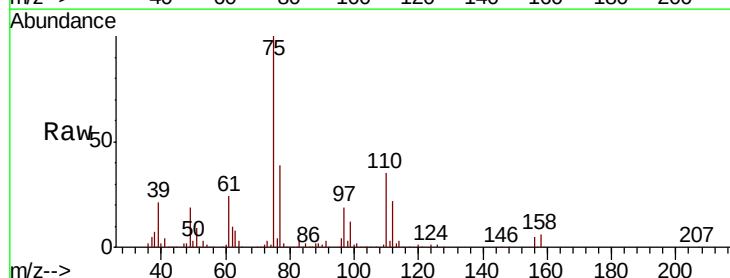
RT: 12.55 min Scan# 3353

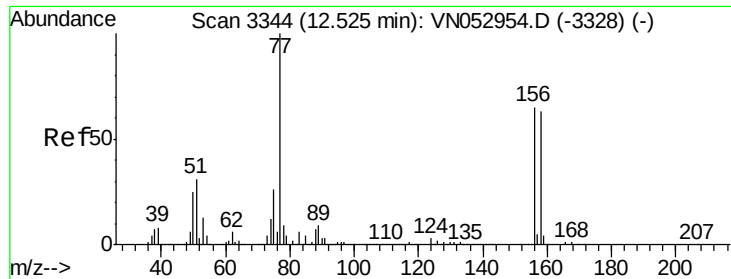
Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Tgt Ion:	75	Resp:	358068
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 59.064 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

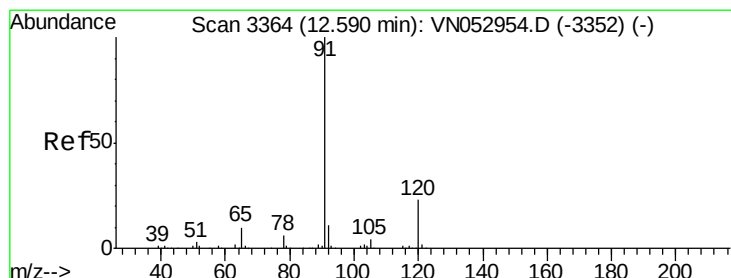
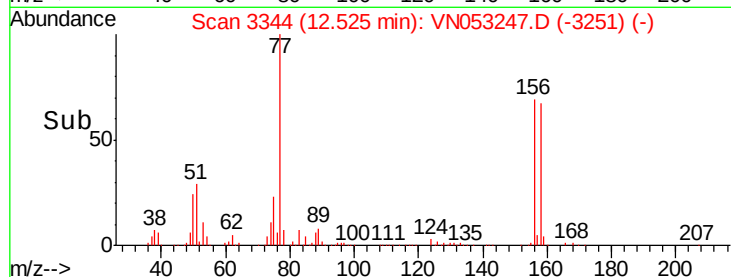
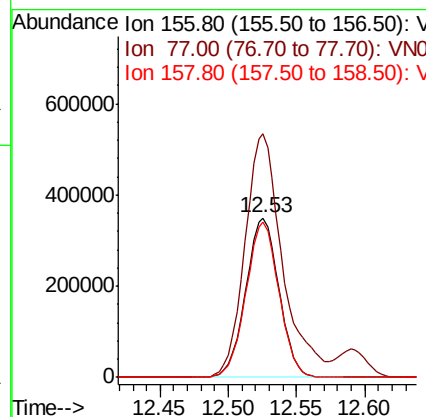
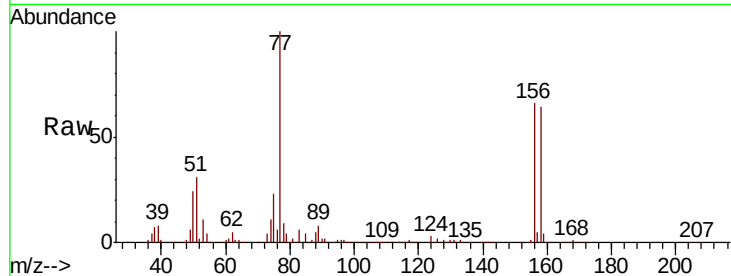
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	587809
Ion Ratio	Lower	Upper	
156	100		
77	174.2	91.3	273.8
158	96.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 60.831 ug/l

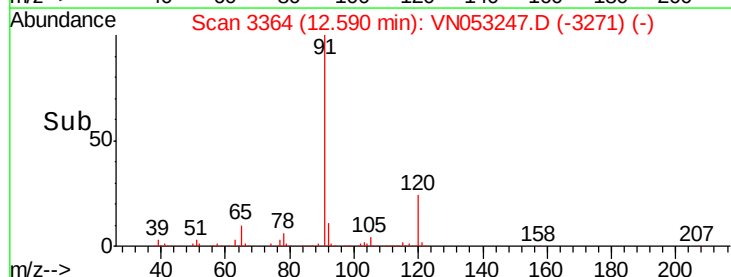
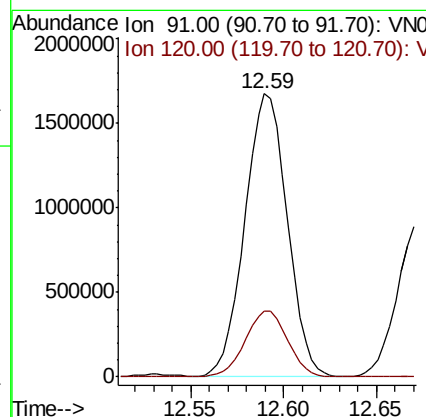
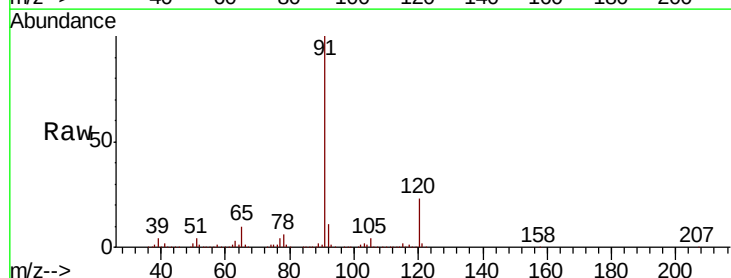
RT: 12.59 min Scan# 3364

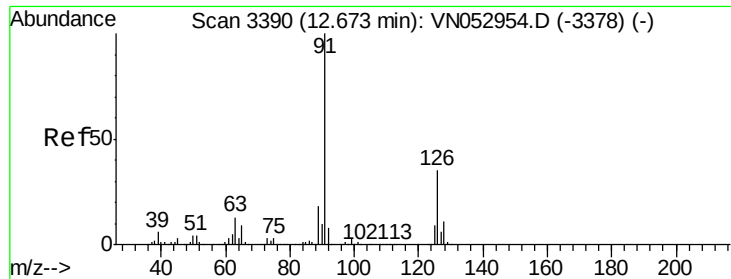
Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Tgt Ion:	91	Resp:	2652440
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 56.849 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1536497

Ion Ratio Lower Upper

91 100

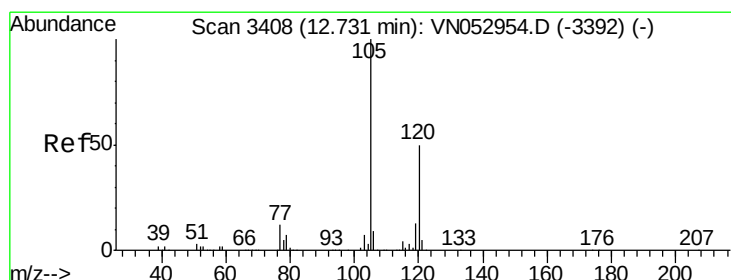
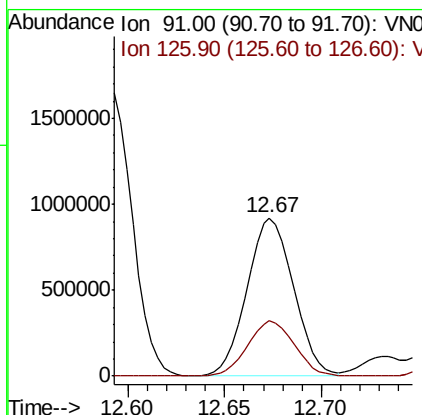
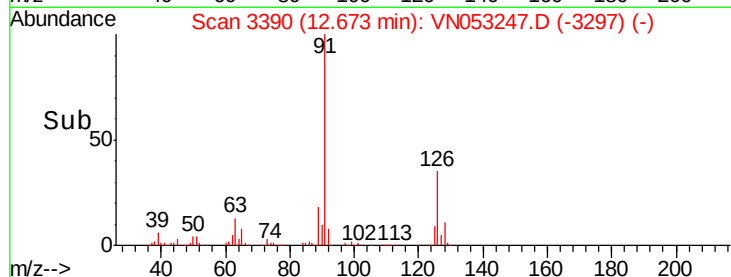
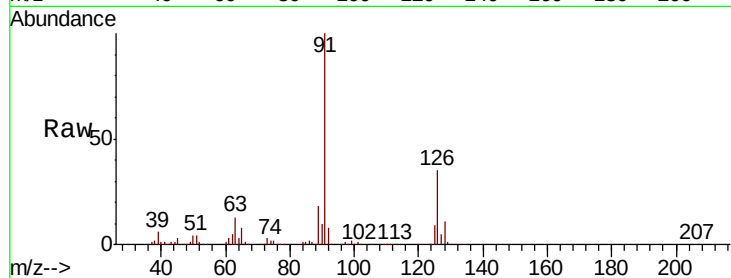
126 35.2 17.4 52.3

Manual Integrations

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1/3/2019 9:55:48 AM



#80

1,3,5-Trimethylbenzene

Concen: 58.406 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053247.D

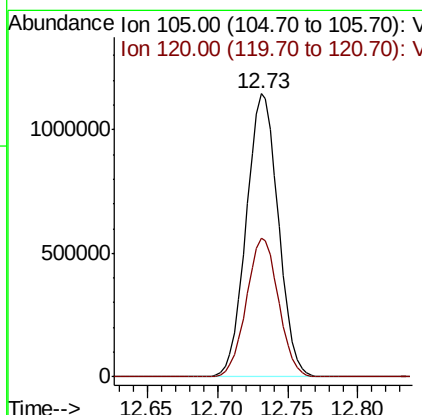
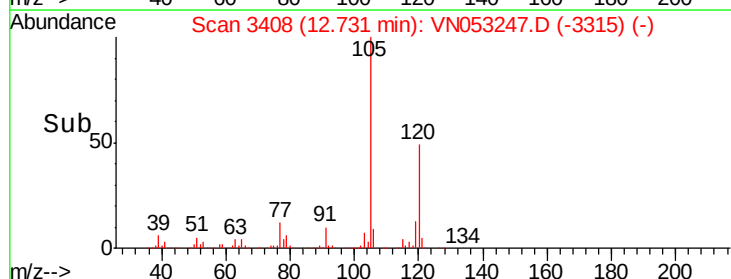
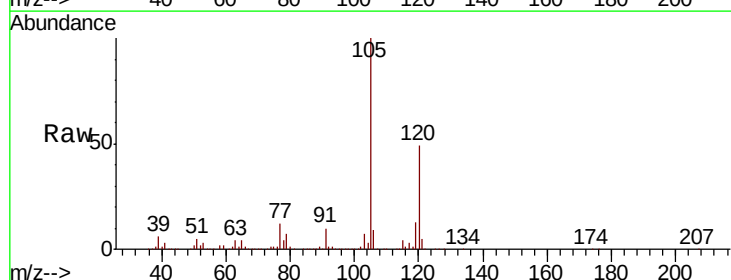
Acq: 2 Jan 2019 17:07

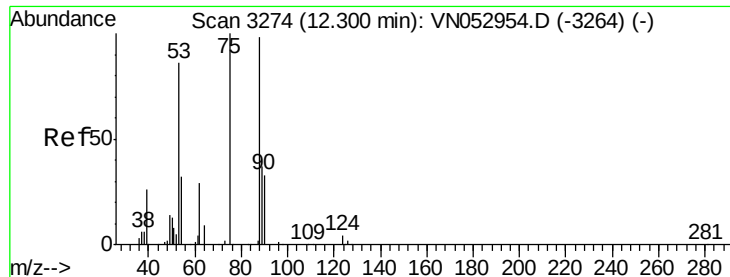
Tgt Ion: 105 Resp: 1822626

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.915 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 132679

Ion Ratio Lower Upper

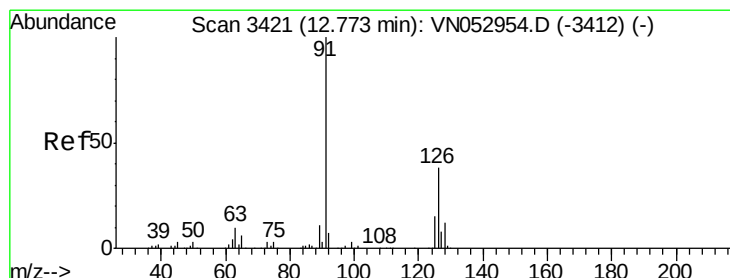
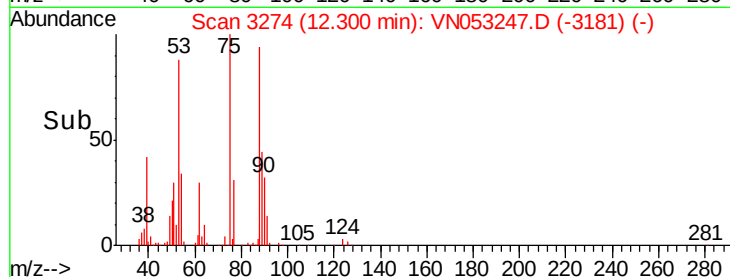
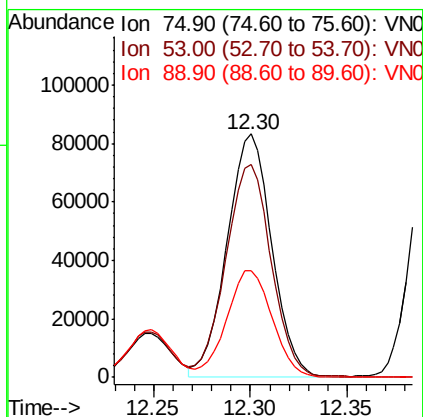
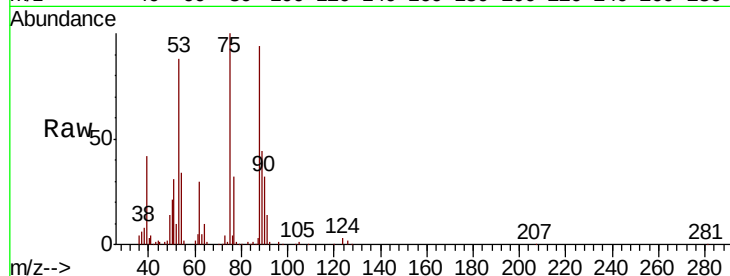
75 100

53 90.4 74.7 112.1

89 45.1 36.1 54.1

Manual Integrations
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1/3/2019 9:55:48 AM



#82

4-Chlorotoluene

Concen: 59.485 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053247.D

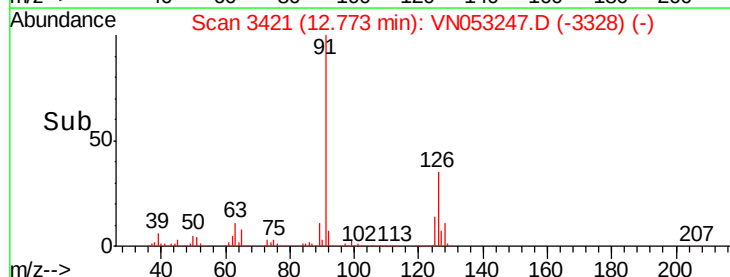
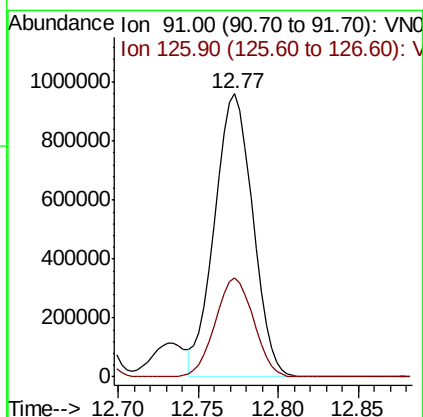
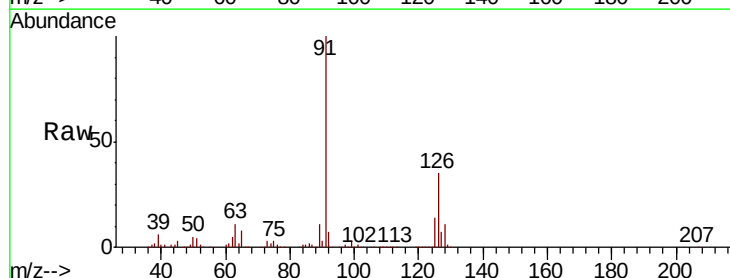
Acq: 2 Jan 2019 17:07

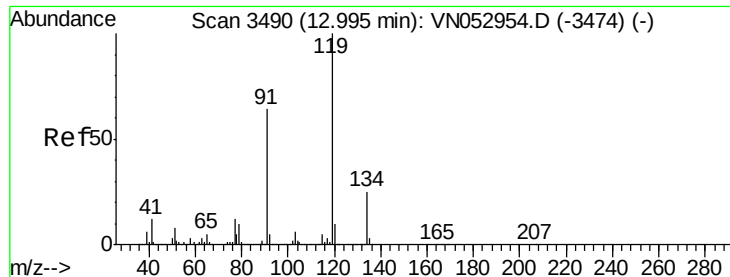
Tgt Ion: 91 Resp: 1573834

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7





#83

tert-Butylbenzene

Concen: 58.773 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1622056

Ion Ratio Lower Upper

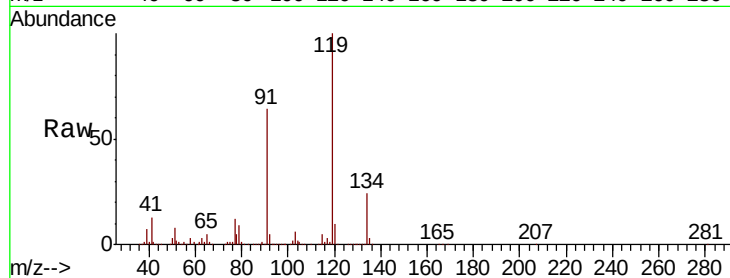
119 100

91 62.3 31.9 95.5

134 25.6 12.8 38.4

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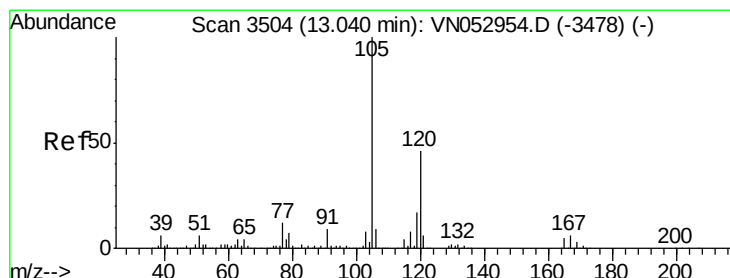
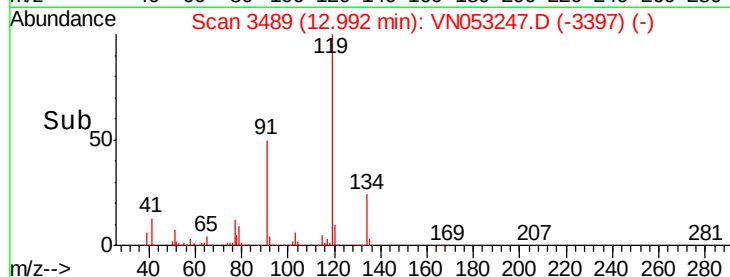
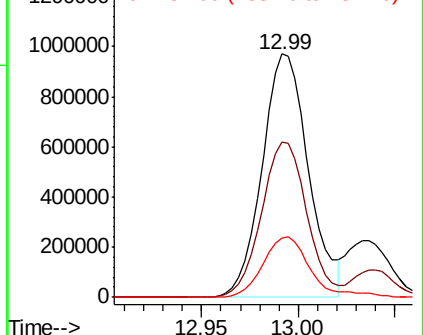
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 57.125 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053247.D

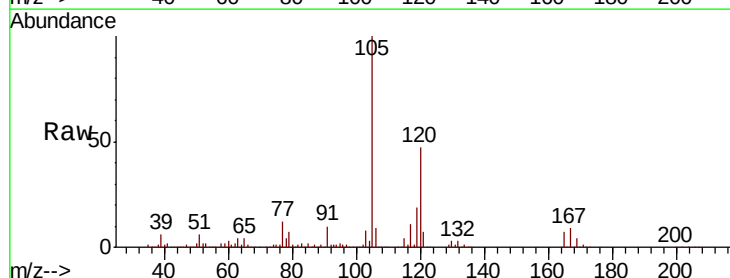
Acq: 2 Jan 2019 17:07

Tgt Ion:105 Resp: 1792055

Ion Ratio Lower Upper

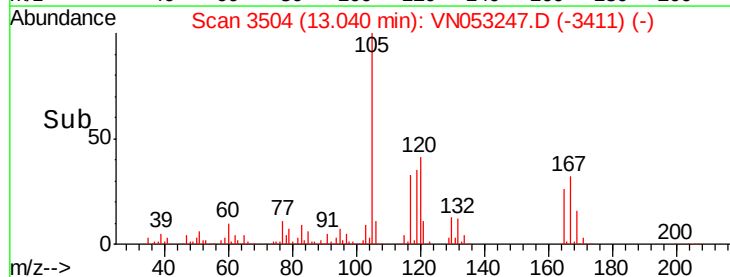
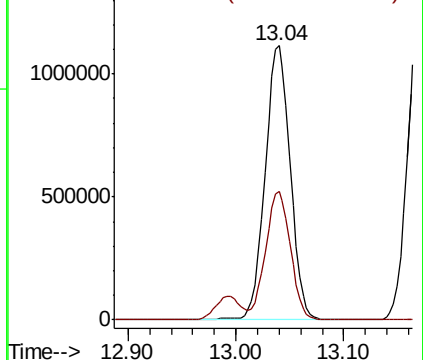
105 100

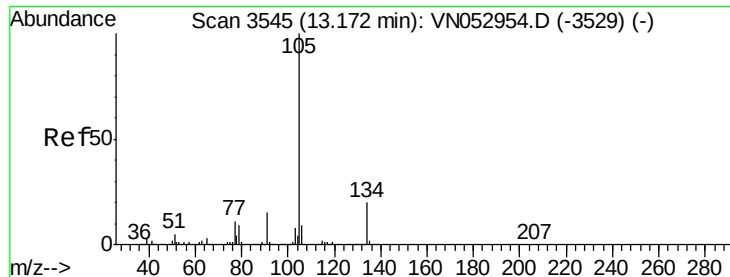
120 46.4 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 57.377 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2141886

Ion Ratio Lower Upper

105 100

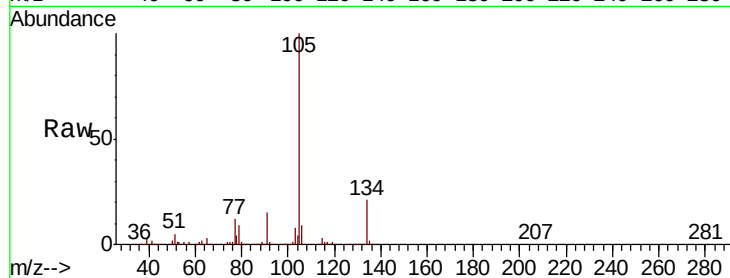
134 20.5 10.1 30.3

Manual Integrations

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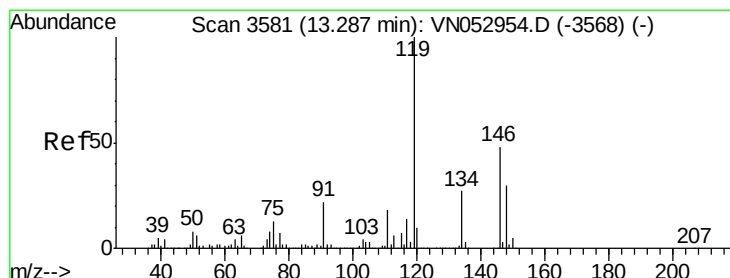
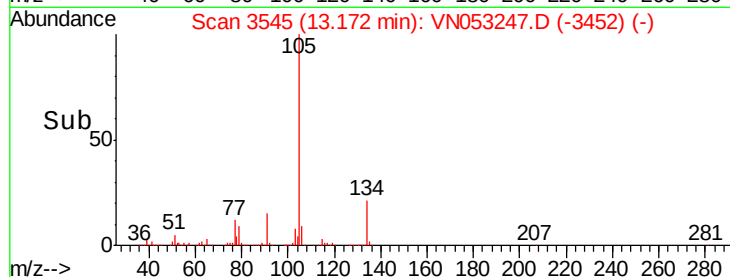
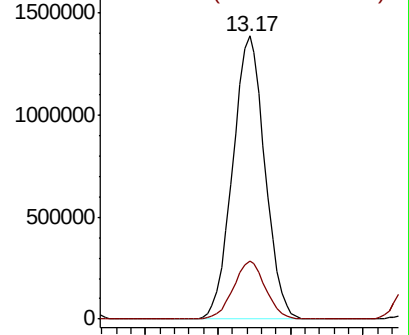
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.423 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

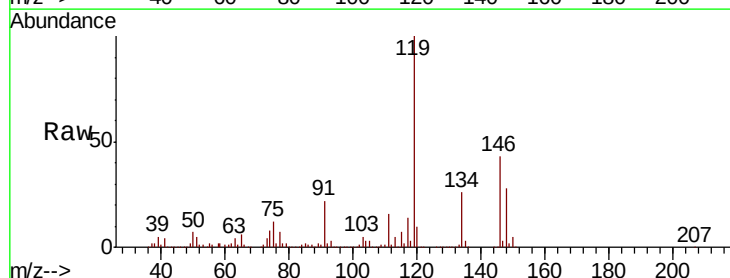
Tgt Ion:119 Resp: 1820014

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

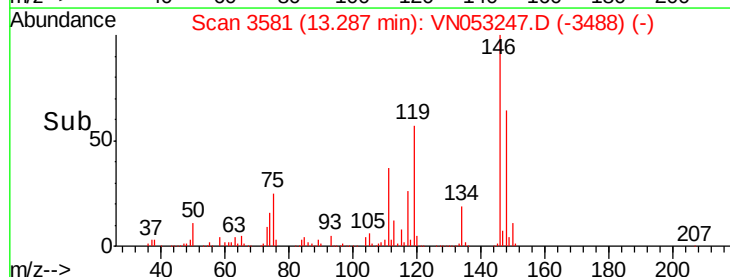
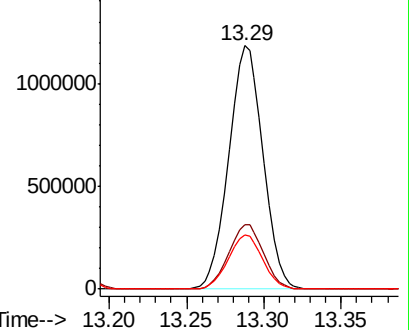
91 22.2 11.1 33.3

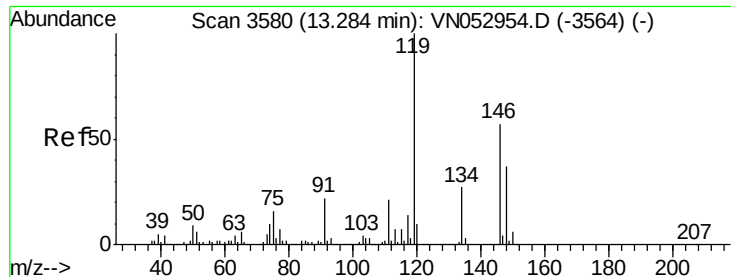


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





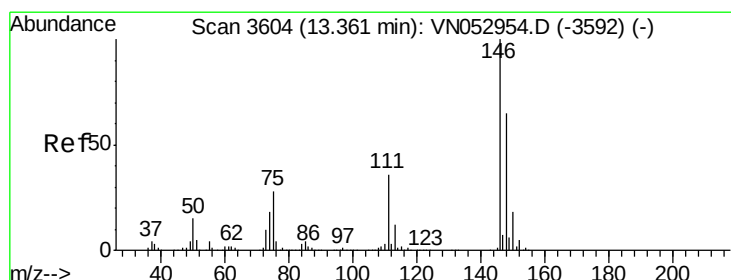
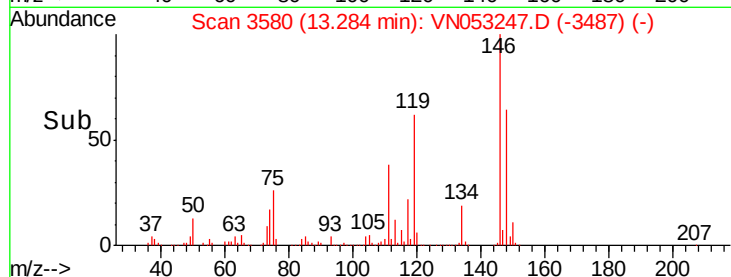
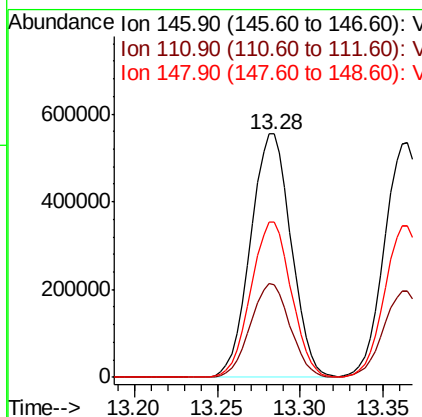
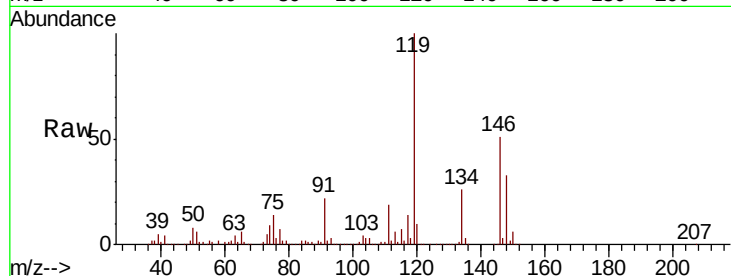
#87
 1,3-Dichlorobenzene
 Concen: 53.475 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	63.7	32.0	96.0

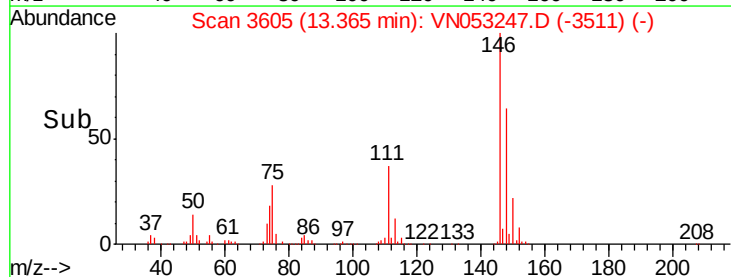
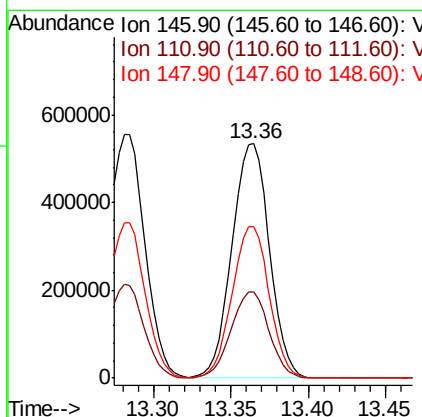
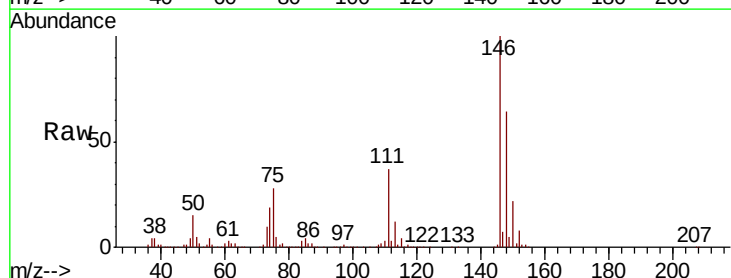
Manual Integrations
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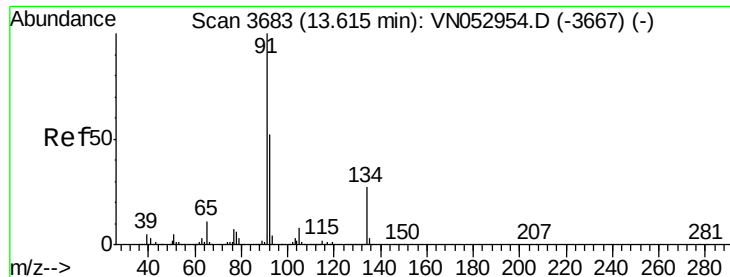
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#88
 1,4-Dichlorobenzene
 Concen: 50.328 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.8	32.1	96.5





#89

n-Butylbenzene

Concen: 52.562 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1458614

Ion Ratio Lower Upper

91 100

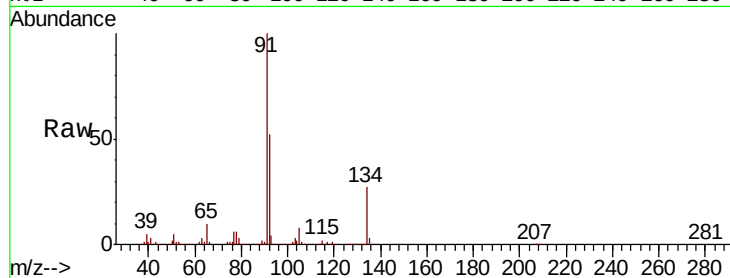
92 52.0 26.3 78.9

134 26.9 13.3 39.8

Manual Integrations
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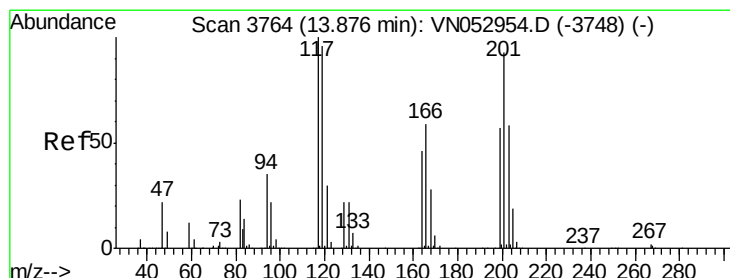
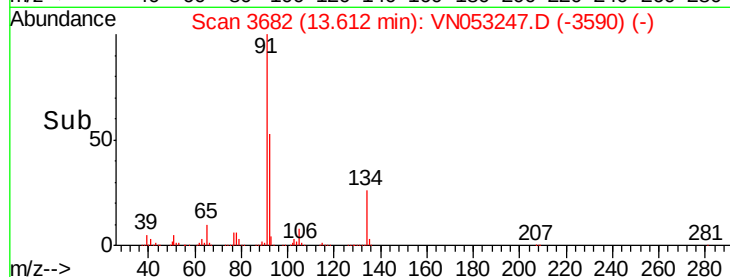
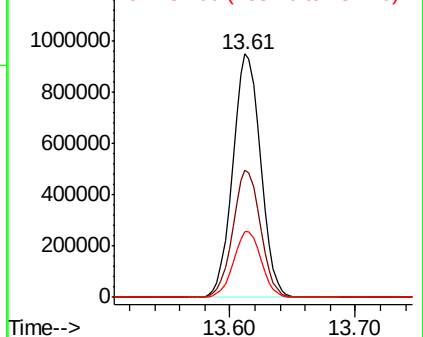


Abundance

Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 53.858 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053247.D

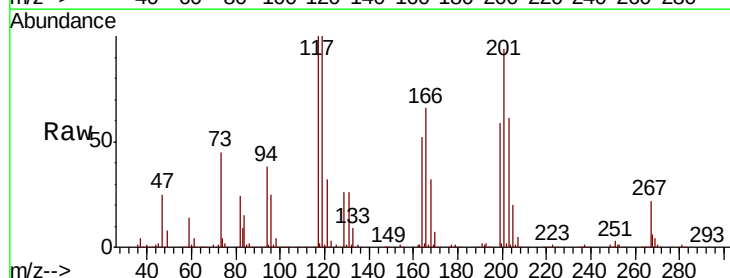
Acq: 2 Jan 2019 17:07

Tgt Ion: 117 Resp: 266599

Ion Ratio Lower Upper

117 100

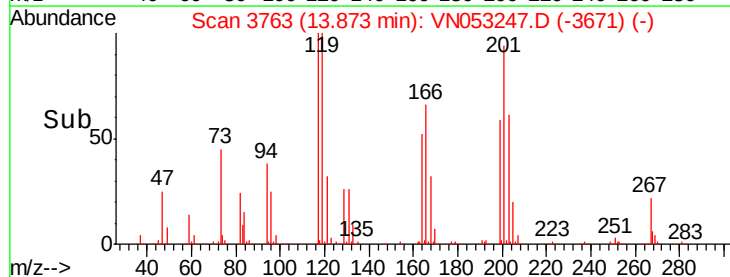
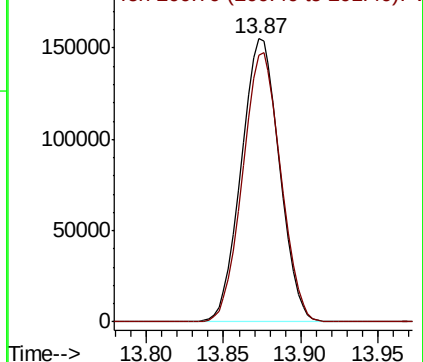
201 94.7 45.7 137.1

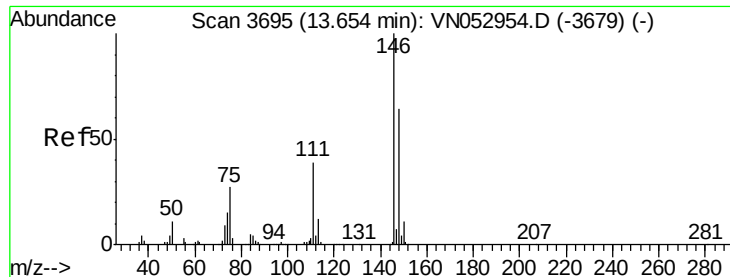


Abundance

Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)





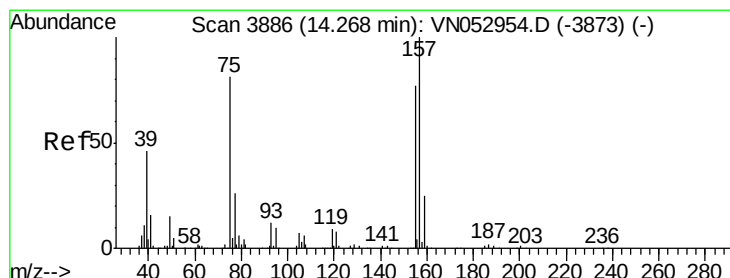
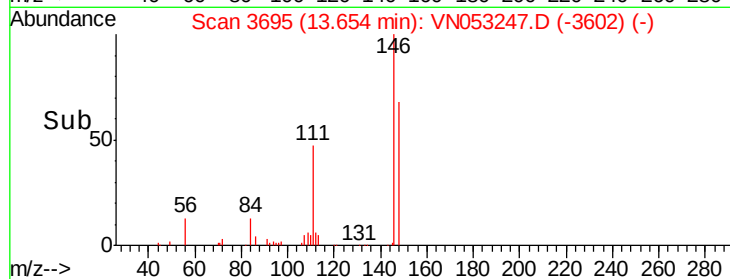
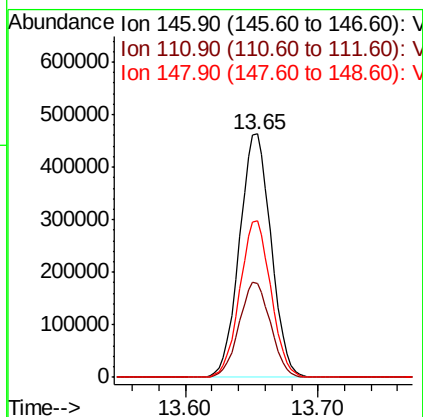
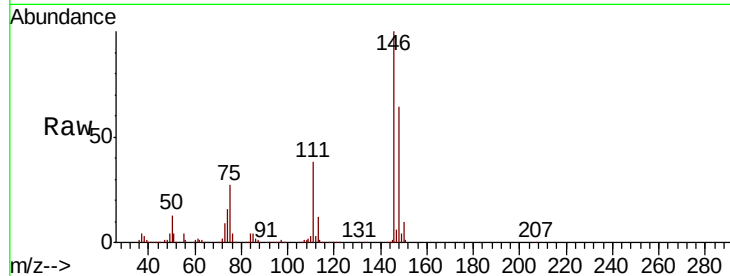
#91
 1,2-Dichlorobenzene
 Concen: 46.147 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	764991
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.7	59.0
148	63.4	32.0	96.0

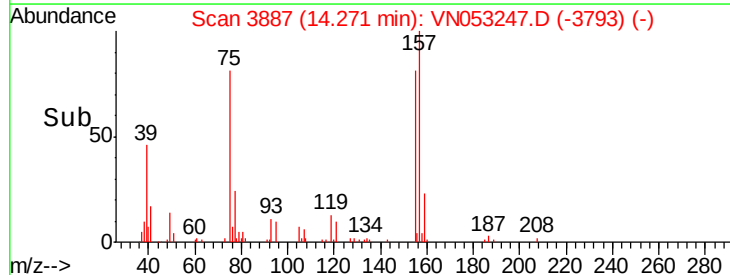
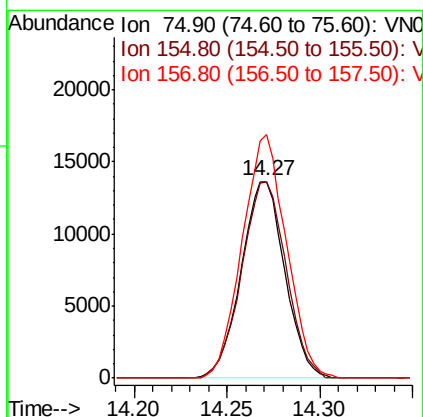
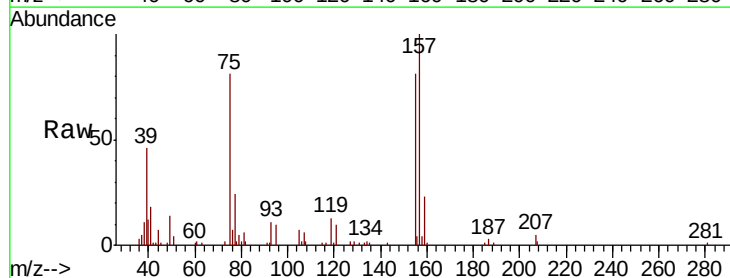
Manual Integrations
 APPROVED

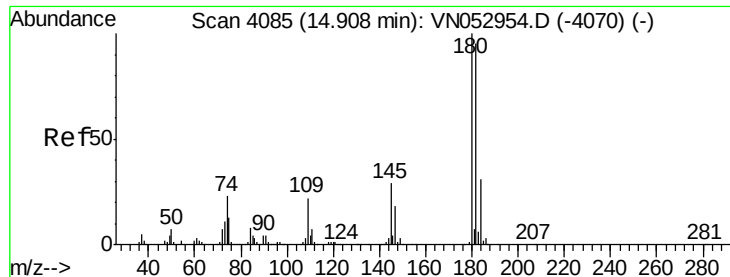
MMDadoda
 1/3/2019 9:55:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.271 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion:	75	Resp:	22430
Ion Ratio	Lower	Upper	
75	100		
155	101.4	48.2	144.6
157	124.8	61.2	183.5





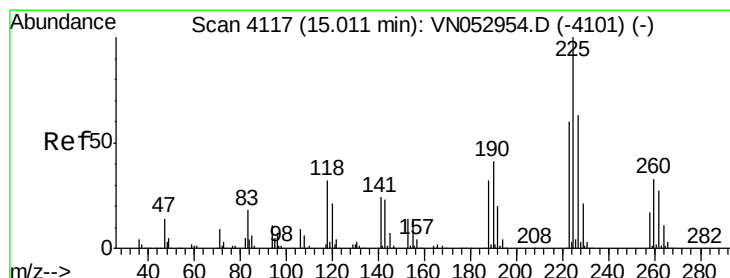
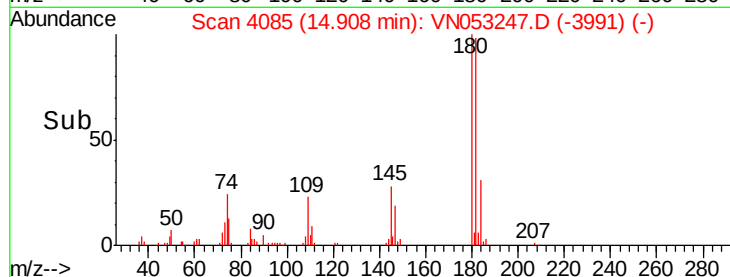
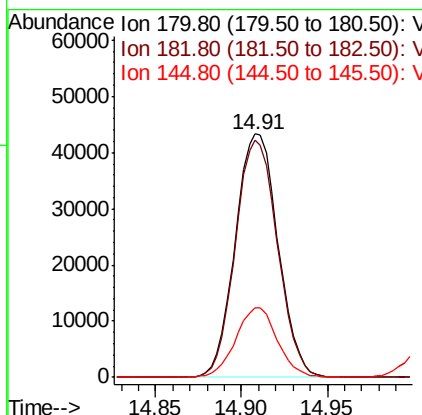
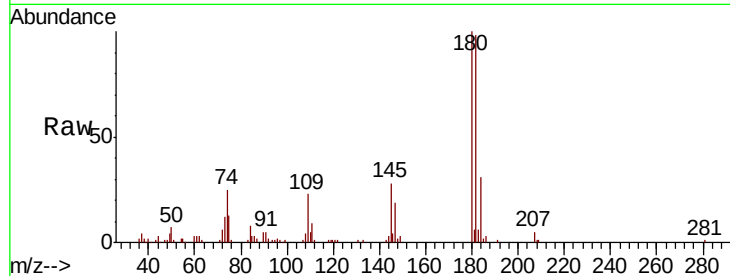
#93
 1,2,4-Trichlorobenzene
 Concen: 8.987 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	74581
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.8	143.3
145	27.7	14.2	42.6

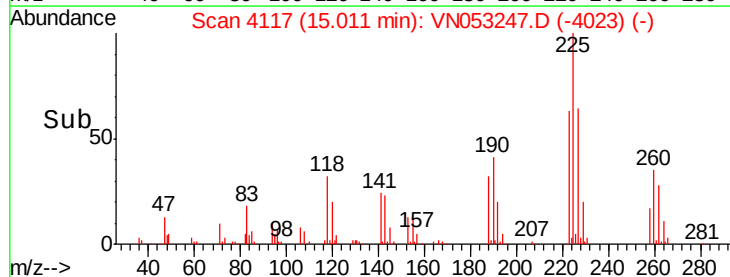
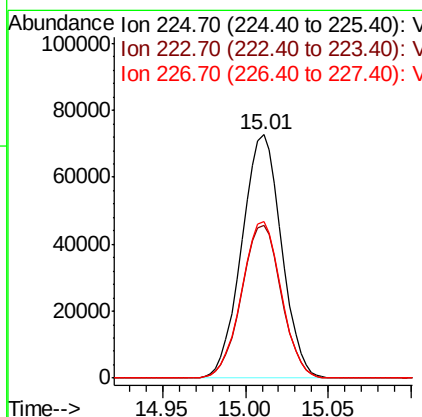
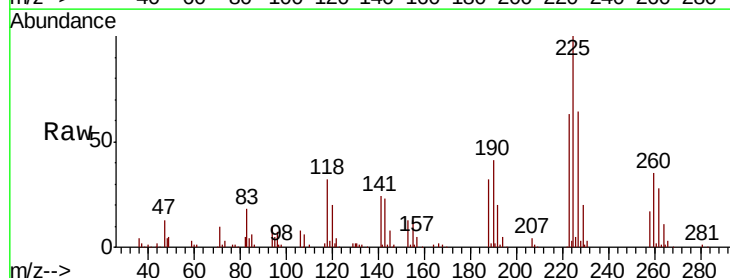
Manual Integrations
 APPROVED

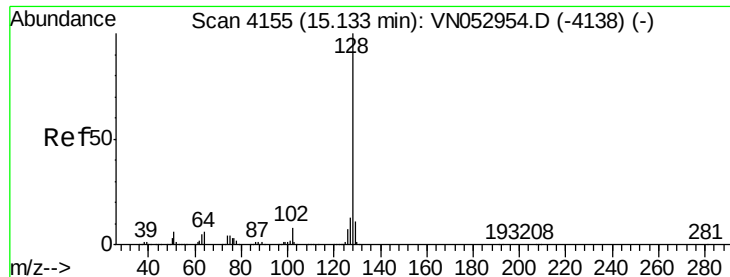
MMDadoda
 1/3/2019 9:55:48 AM



#94
 Hexachlorobutadiene
 Concen: 25.168 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053247.D
 Acq: 2 Jan 2019 17:07

Tgt Ion:	225	Resp:	120935
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.5	94.5
227	64.4	31.9	95.7





#95

Naphthalene

Concen: 6.523 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Instrument :

MSVOA_N

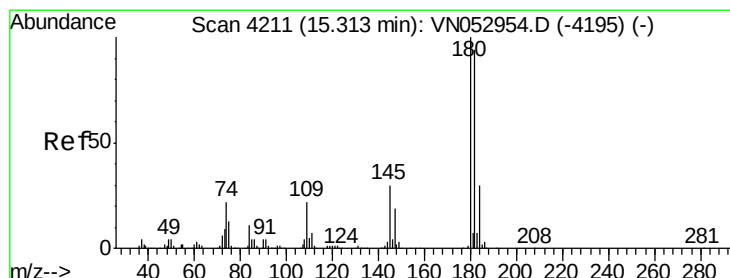
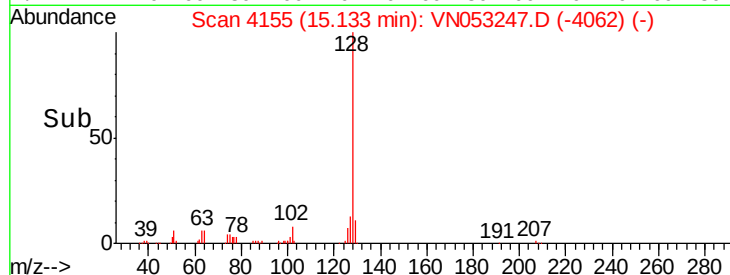
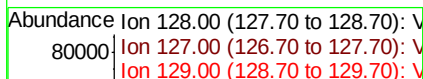
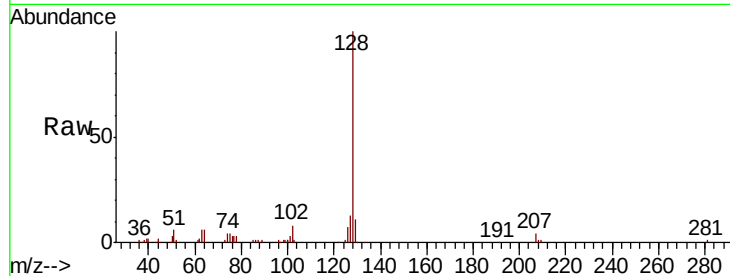
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	105871
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.4
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/3/2019 9:55:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.263 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053247.D

Acq: 2 Jan 2019 17:07

Tgt Ion:	180	Resp:	37994
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.7
145	29.5	15.0	45.0

