

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053124.D
 Acq On : 22 Dec 2018 10:24
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 9:32:37 AM

Quant Time: Dec 23 23:27:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1032219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1529299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1363791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	659443	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	488697	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	7.59	113	402160	57.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.14%	
50) Toluene-d8	10.09	98	1792862	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.40	95	638344	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	492347	47.129	ug/l	100
3) Chloromethane	2.06	50	588322	46.473	ug/l	99
4) Vinyl Chloride	2.19	62	609044	47.504	ug/l	100
5) Bromomethane	2.57	94	408495	45.987	ug/l	100
6) Chloroethane	2.71	64	365739	48.166	ug/l	99
7) Trichlorofluoromethane	3.02	101	794558	49.748	ug/l	99
8) Diethyl Ether	3.41	74	298843	49.597	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	518242	50.891	ug/l	98
10) Methyl Iodide	3.96	142	685805	47.955	ug/l	99
11) Tert butyl alcohol	4.77	59	145334	227.387	ug/l	98
12) 1,1-Dichloroethene	3.74	96	478760	48.662	ug/l	99
13) Acrolein	3.61	56	192184	331.614	ug/l	99
14) Allyl chloride	4.33	41	799790	52.482	ug/l	96
15) Acrylonitrile	4.98	53	846758	238.471	ug/l	98
16) Acetone	3.81	43	499724	243.313	ug/l	95
17) Carbon Disulfide	4.06	76	1354408	42.213	ug/l	100
18) Methyl Acetate	4.32	43	461117	49.477	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1296367	49.238	ug/l	99
20) Methylene Chloride	4.55	84	546939	48.819	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	516276	48.841	ug/l	100
22) Diisopropyl ether	5.95	45	1692375	52.027	ug/l	98
23) Vinyl Acetate	5.89	43	4756715	254.302	ug/l	99
24) 1,1-Dichloroethane	5.85	63	975042	50.443	ug/l	99
25) 2-Butanone	6.83	43	874772	253.790	ug/l	97
26) 2,2-Dichloropropane	6.82	77	737729	49.997	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	599096	50.062	ug/l	99
28) Bromochloromethane	7.19	49	428008	51.100	ug/l	96
29) Tetrahydrofuran	7.21	42	617671	239.934	ug/l	98
30) Chloroform	7.37	83	964180	50.778	ug/l	100
31) Cyclohexane	7.65	56	914904	50.477	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	789469	48.806	ug/l	99
36) 1,1-Dichloropropene	7.79	75	748907	51.020	ug/l	100
37) Ethyl Acetate	6.93	43	409593	49.985	ug/l	98
38) Carbon Tetrachloride	7.77	117	690899	51.352	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	899610	50.450	ug/l	98
40) Benzene	8.04	78	2255444	51.658	ug/l	100
41) Methacrylonitrile	7.18	41	241198	50.944	ug/l	96
42) 1,2-Dichloroethane	8.12	62	656579	50.904	ug/l	99
43) Isopropyl Acetate	8.16	43	759992	47.882	ug/l	96
44) Trichloroethene	8.83	130	622054	49.258	ug/l	99
45) 1,2-Dichloropropane	9.12	63	601890	52.925	ug/l	99
46) Dibromomethane	9.21	93	337525	50.947	ug/l	99
47) Bromodichloromethane	9.40	83	728298	51.716	ug/l	99
48) Methyl methacrylate	9.20	41	393296	49.462	ug/l	99
49) 1,4-Dioxane	9.20	88	98889	983.154	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	2015762	254.016	ug/l	99
52) Toluene	10.16	92	1406013	51.954	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	741006	50.040	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	878287	51.672	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	486048	51.481	ug/l	97
56) Ethyl methacrylate	10.43	69	625444	50.050	ug/l	98
57) 1,3-Dichloropropane	10.71	76	835195	51.587	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1933310	281.804	ug/l	99
59) 2-Hexanone	10.75	43	1390750	259.030	ug/l	99
60) Dibromochloromethane	10.90	129	546752	50.592	ug/l	99
61) 1,2-Dibromoethane	11.00	107	482017	50.270	ug/l	99
64) Tetrachloroethene	10.63	164	700013	47.385	ug/l	99
65) Chlorobenzene	11.43	112	1546171	51.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	541459	51.504	ug/l	100
67) Ethyl Benzene	11.51	91	2715342	52.228	ug/l	100
68) m/p-Xylenes	11.62	106	2057763	104.115	ug/l	99
69) o-Xylene	11.95	106	994129	52.418	ug/l	99
70) Styrene	11.96	104	1656761	53.573	ug/l	99
71) Bromoform	12.13	173	371081	48.861	ug/l	100
73) Isopropylbenzene	12.25	105	2665268	51.657	ug/l	100
74) N-amyl acetate	12.07	43	687427	47.989	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	530484	52.408	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	507885m	45.751	ug/l	
77) Bromobenzene	12.53	156	677552	50.519	ug/l	97
78) n-propylbenzene	12.59	91	3061637	52.102	ug/l	99
79) 2-Chlorotoluene	12.67	91	1790451	49.156	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2152792	51.190	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	162986	47.322	ug/l	96
82) 4-Chlorotoluene	12.77	91	1829944	51.323	ug/l	100
83) tert-Butylbenzene	12.99	119	1868926	50.248	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2168844	51.301	ug/l	99
85) sec-Butylbenzene	13.17	105	2531968	50.329	ug/l	100
86) p-Isopropyltoluene	13.29	119	2213516	50.920	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1215248	51.195	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1198050	49.838	ug/l	100
89) n-Butylbenzene	13.62	91	1860244	49.742	ug/l	100
90) Hexachloroethane	13.88	117	339025	50.821	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1136872	50.888	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	78670	44.949	ug/l	99

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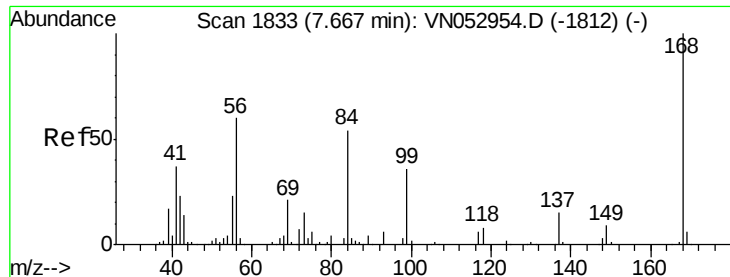
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	552423	46.712	ug/l	100
94) Hexachlorobutadiene	15.01	225	349320	57.426	ug/l	100
95) Naphthalene	15.13	128	1116175	43.209	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	486641	45.702	ug/l	99

(#) = 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: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1032219

Ion Ratio Lower Upper

168 100

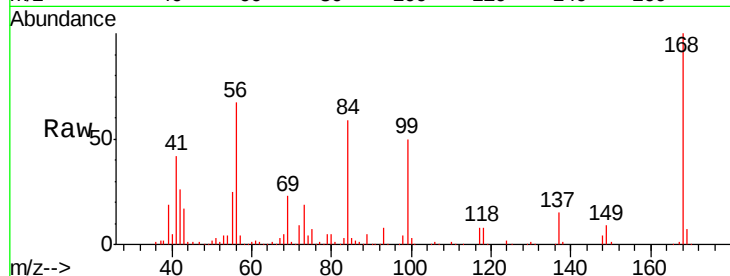
99 50.0 40.2 60.2

Manual Integrations

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12/24/2018 9:32:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

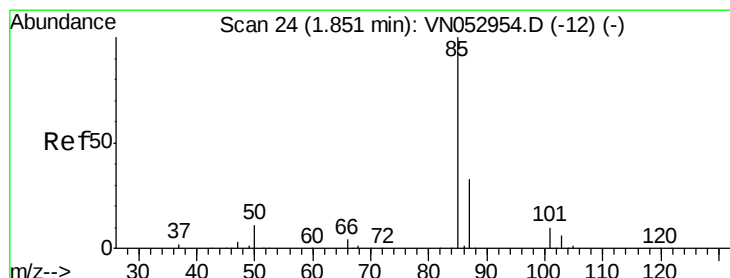
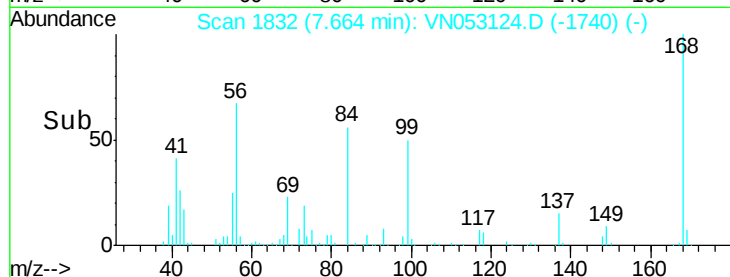
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.129 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053124.D

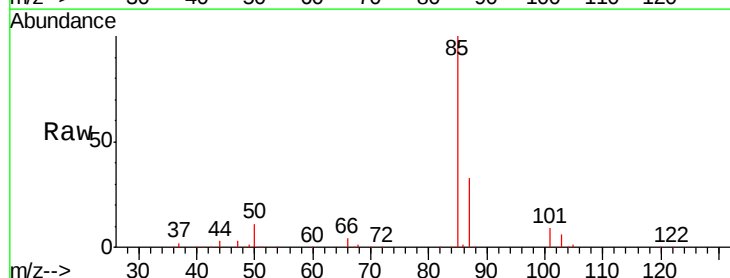
Acq: 22 Dec 2018 10:24

Tgt Ion: 85 Resp: 492347

Ion Ratio Lower Upper

85 100

87 32.7 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

400000

300000

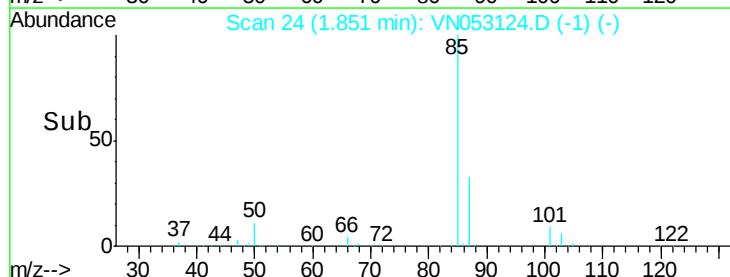
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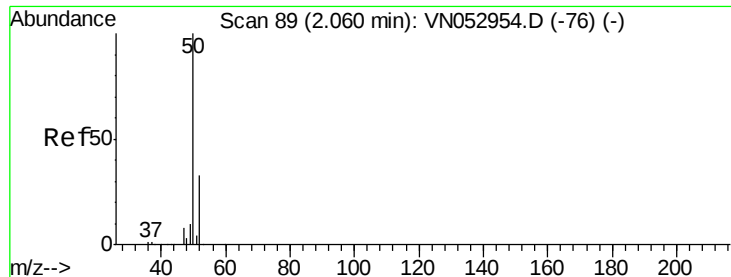
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.473 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 588322

Ion Ratio Lower Upper

50 100

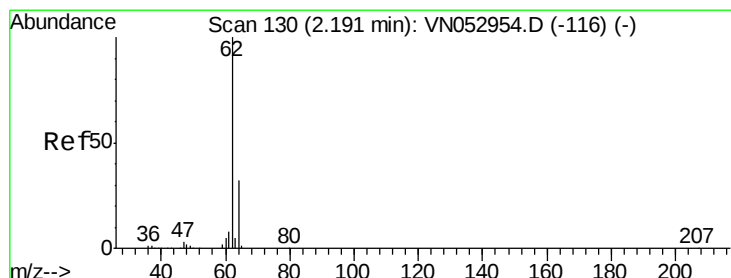
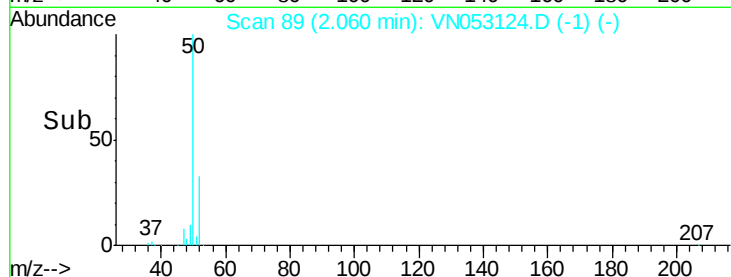
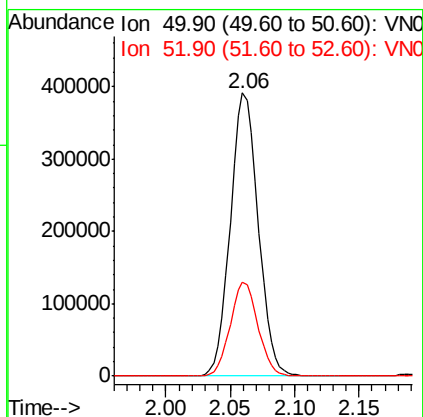
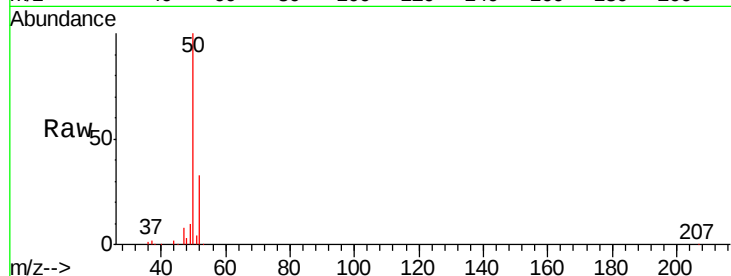
52 33.2 26.2 39.4

Manual Integrations

APPROVED

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12/24/2018 9:32:37 AM



#4

Vinyl Chloride

Concen: 47.504 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053124.D

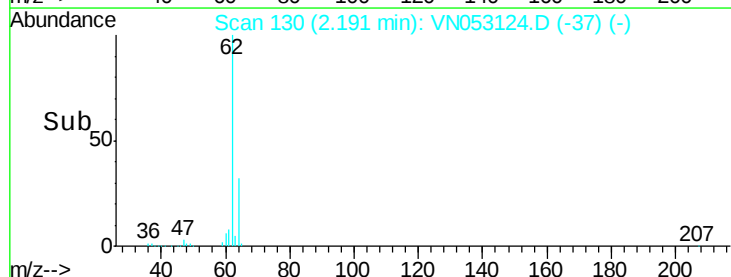
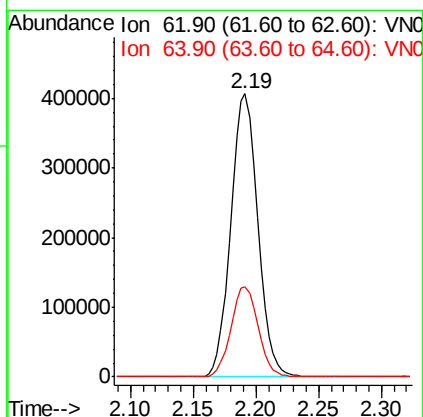
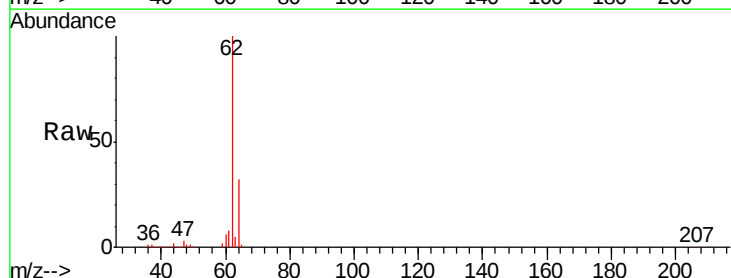
Acq: 22 Dec 2018 10:24

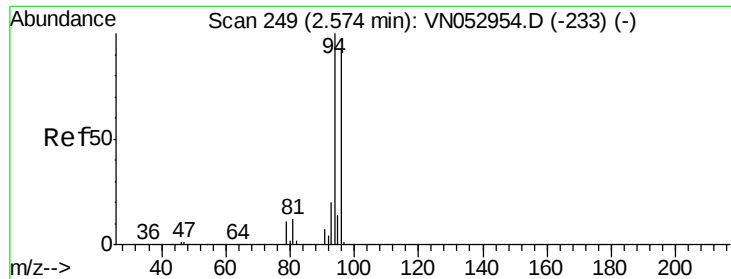
Tgt Ion: 62 Resp: 609044

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 45.987 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

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VSTDCCC050

Tgt Ion: 94 Resp: 408495

Ion Ratio Lower Upper

94 100

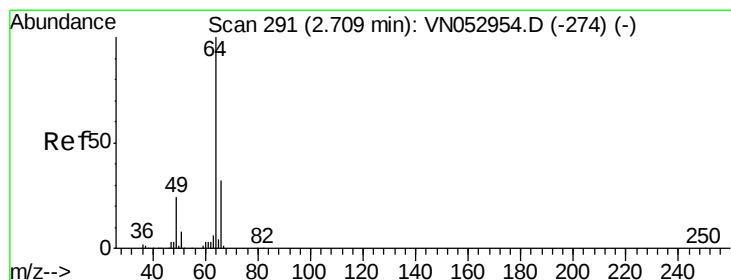
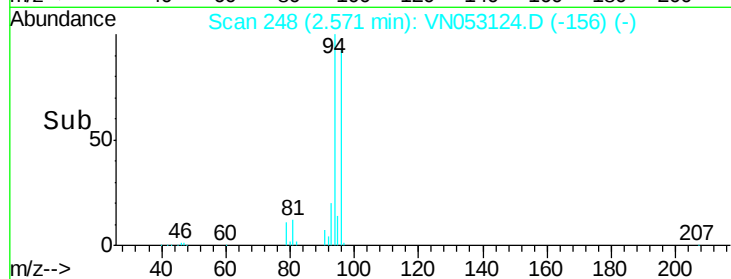
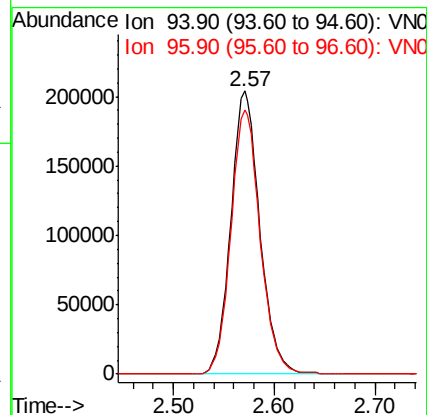
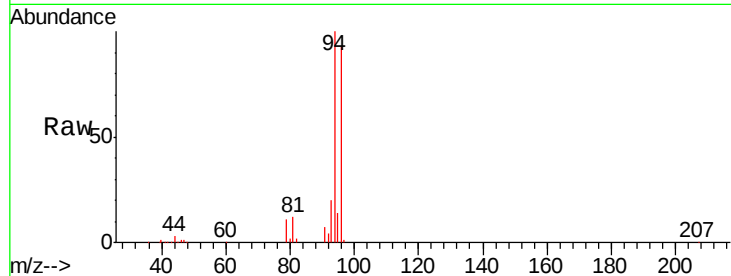
96 93.4 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 48.166 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053124.D

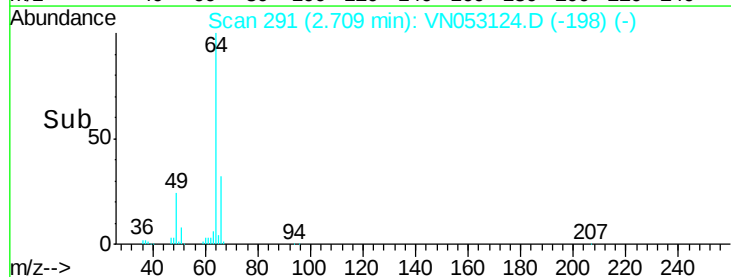
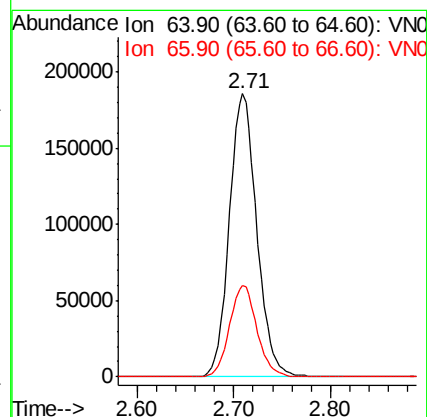
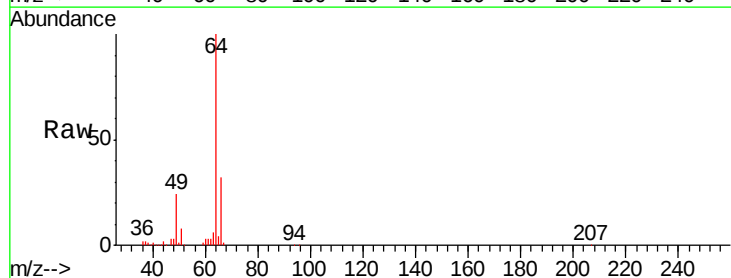
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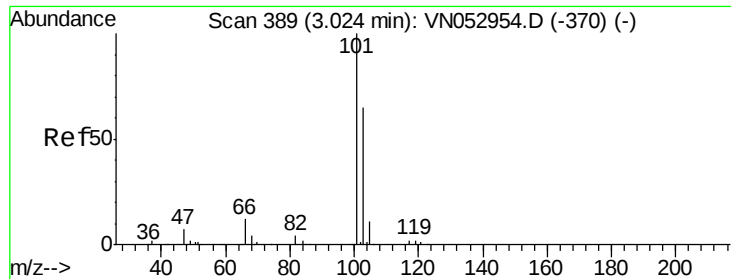
Tgt Ion: 64 Resp: 365739

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2





#7

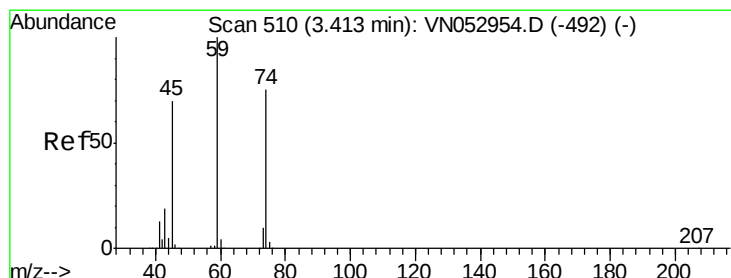
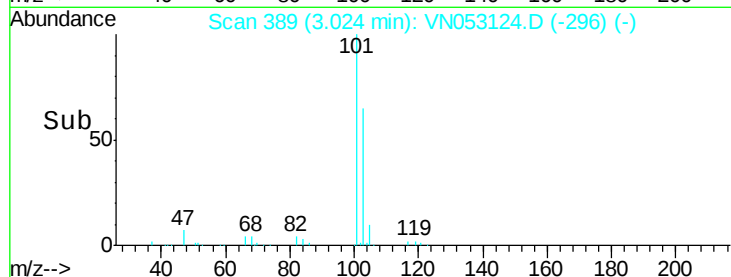
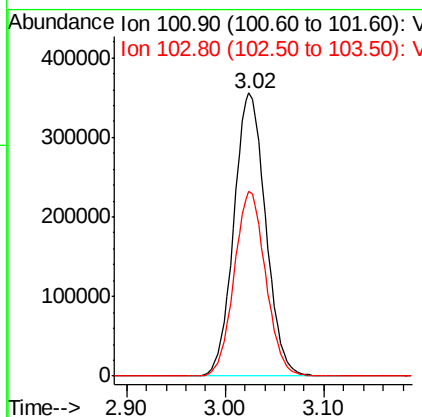
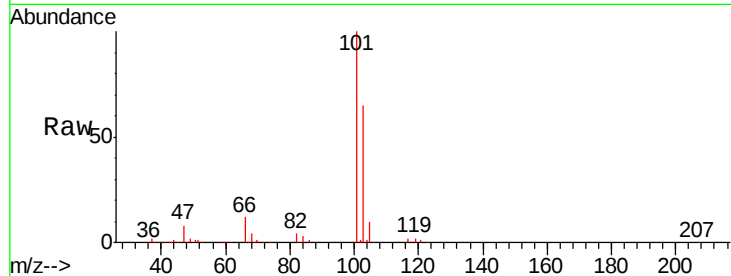
Trichlorofluoromethane
 Concen: 49.748 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.6

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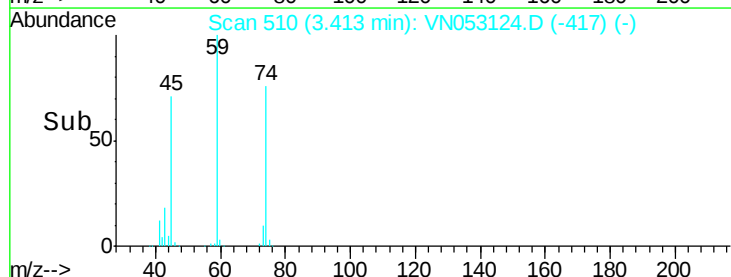
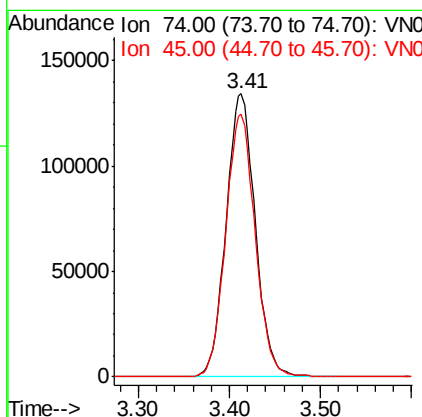
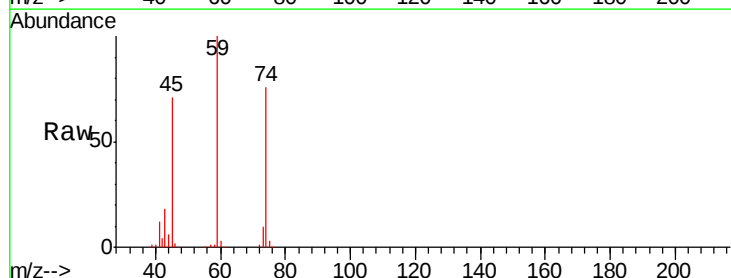
MMDadoda
 12/24/2018 9:32:37 AM

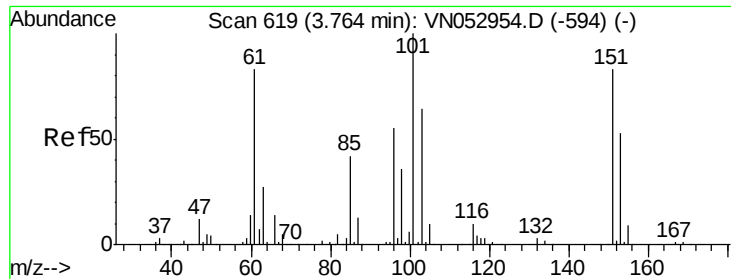


#8

Diethyl Ether
 Concen: 49.597 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.891 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

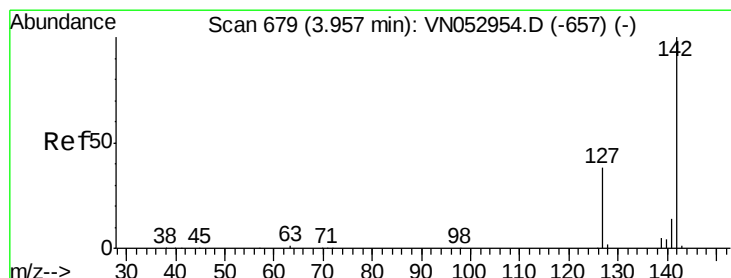
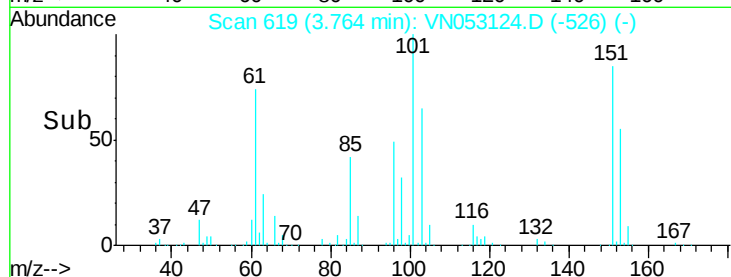
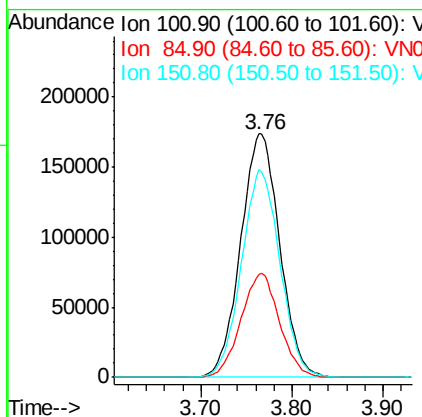
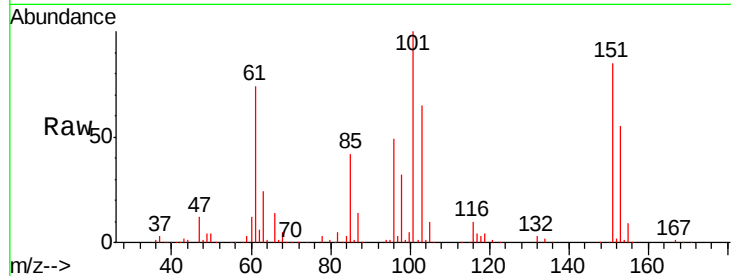
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	518242
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.6	50.4
151	84.0	65.5	98.3

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#10

Methyl Iodide

Concen: 47.955 ug/l

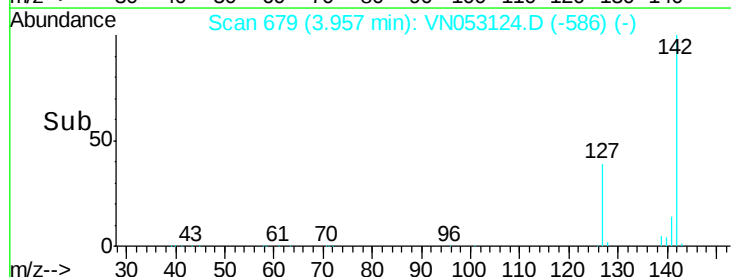
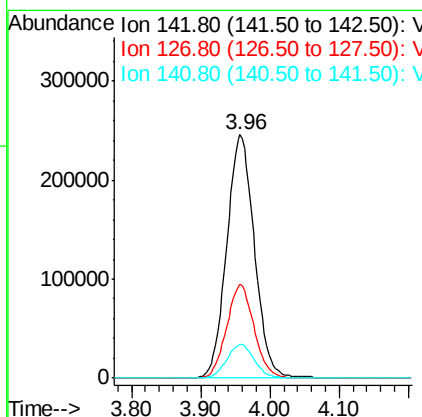
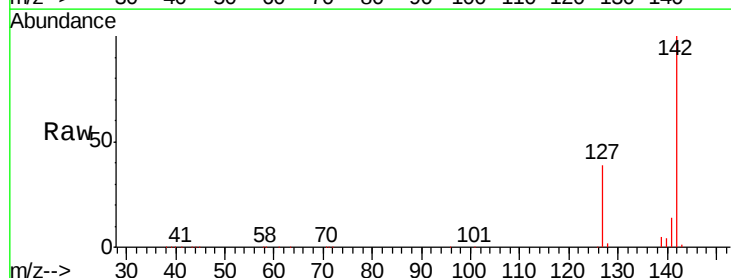
RT: 3.96 min Scan# 679

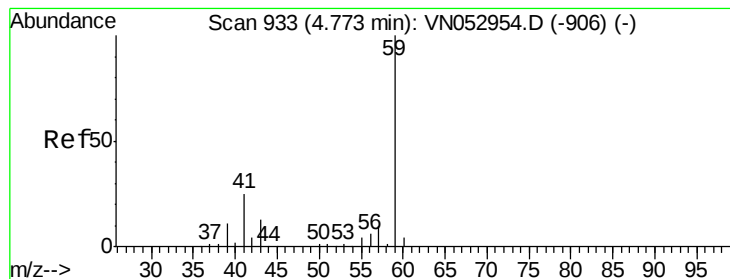
Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Tgt Ion:	142	Resp:	685805
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.6
141	14.0	11.2	16.8





#11

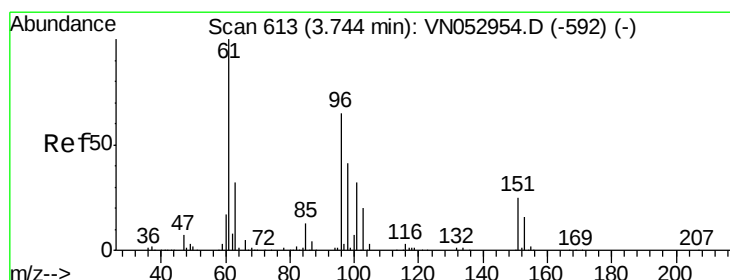
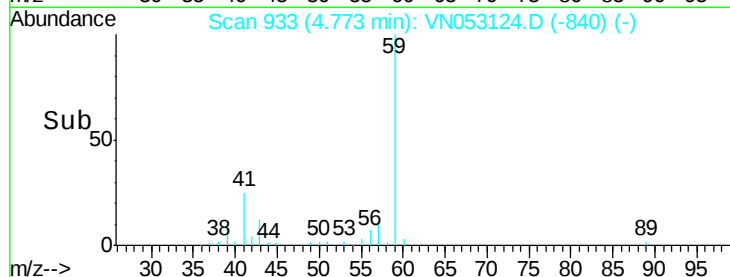
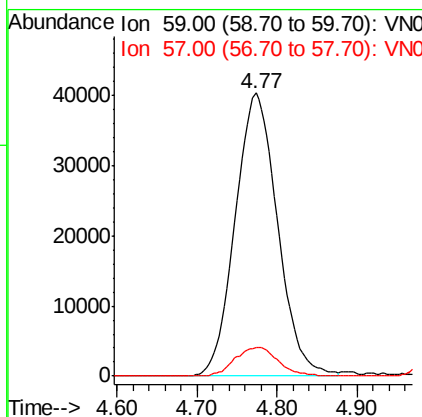
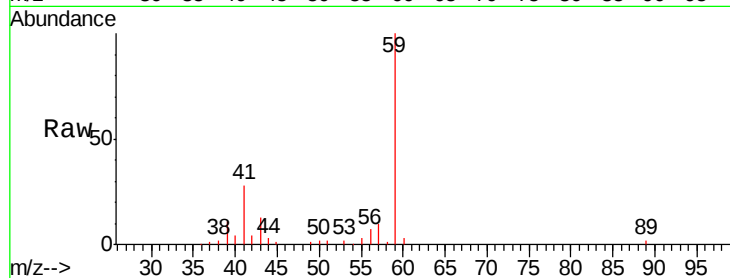
Tert butyl alcohol
 Concen: 227.387 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.7	11.5

Manual Integrations
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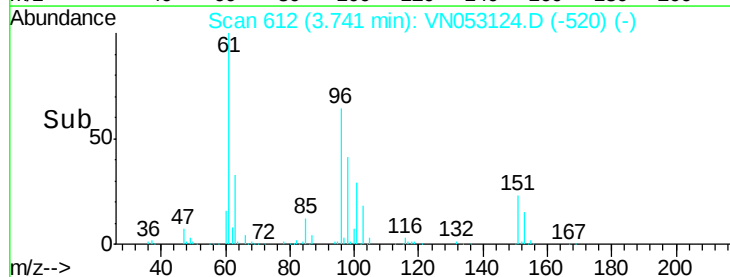
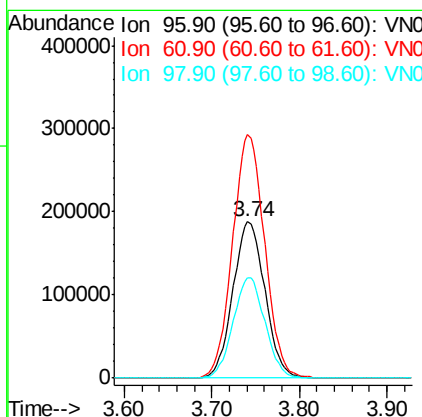
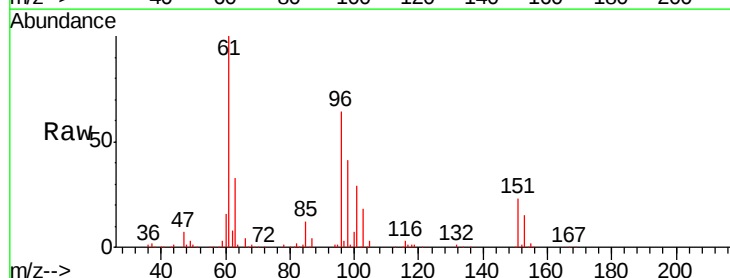
MMDadoda
 12/24/2018 9:32:37 AM

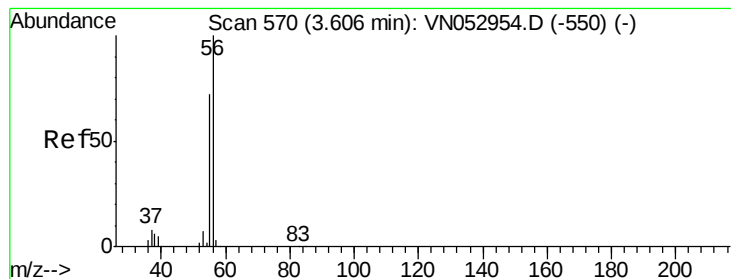


#12

1,1-Dichloroethene
 Concen: 48.662 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.6	125.6	188.4
98	64.3	50.6	75.8





#13

Acrolein

Concen: 331.614 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 192184

Ion Ratio Lower Upper

56 100

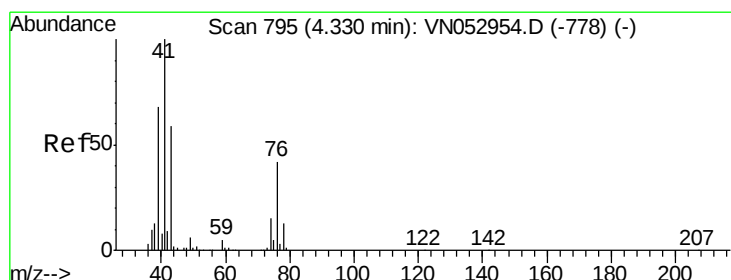
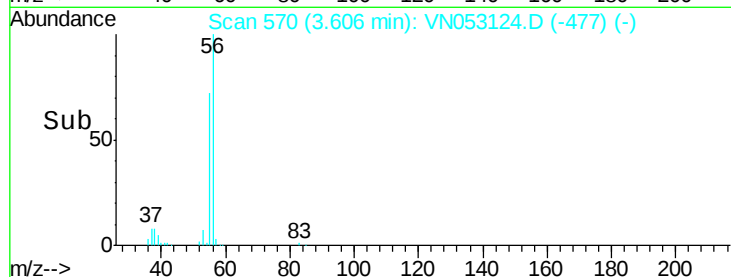
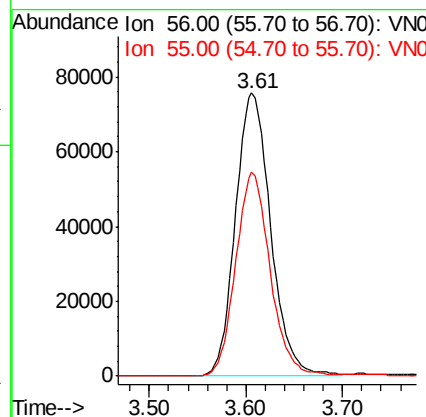
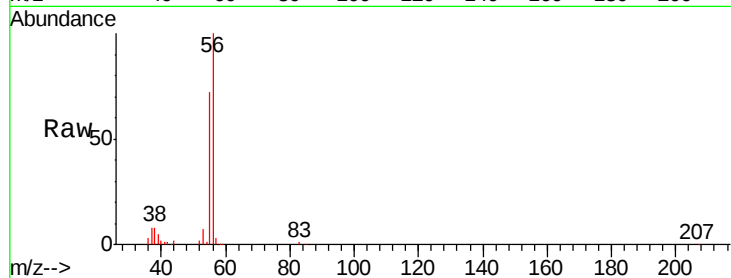
55 70.2 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 52.482 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

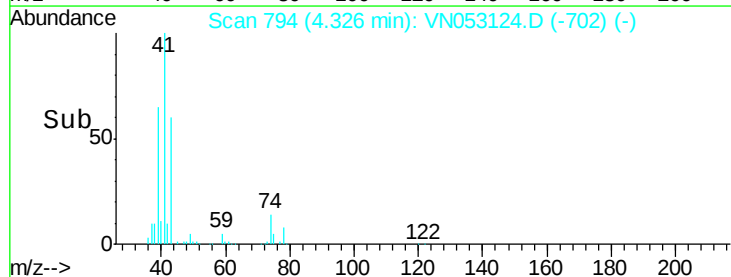
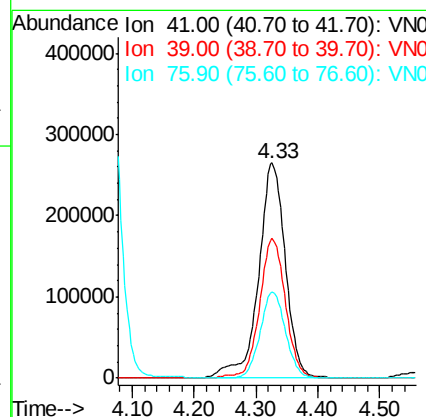
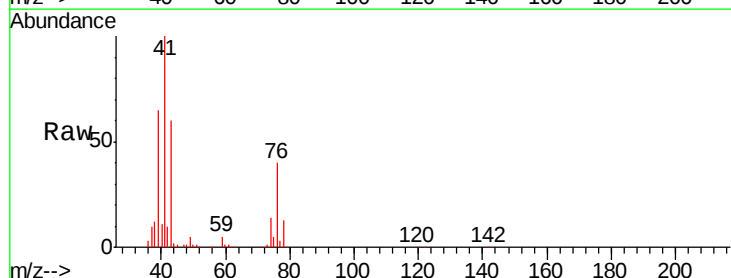
Tgt Ion: 41 Resp: 799790

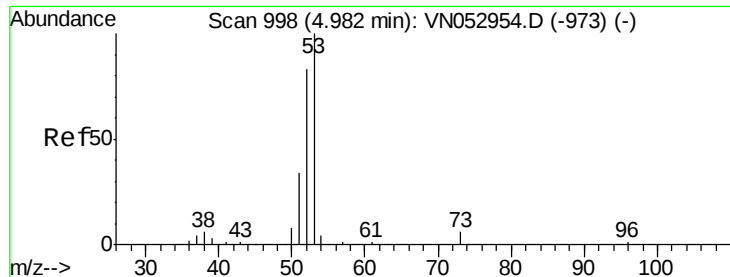
Ion Ratio Lower Upper

41 100

39 62.8 54.1 81.1

76 37.0 30.3 45.5





#15

Acrylonitrile

Concen: 238.471 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

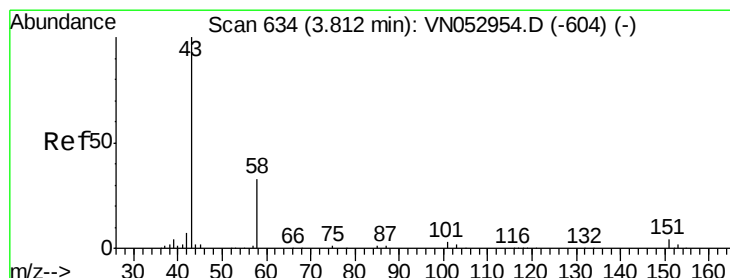
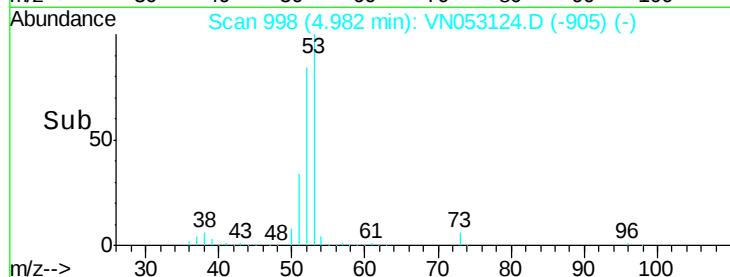
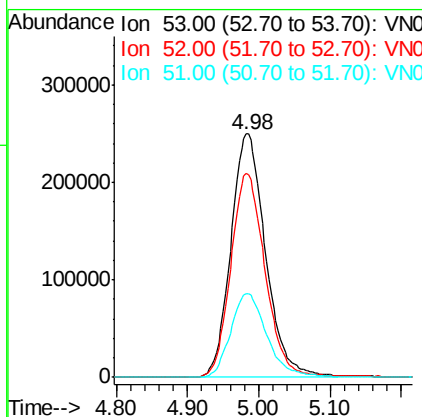
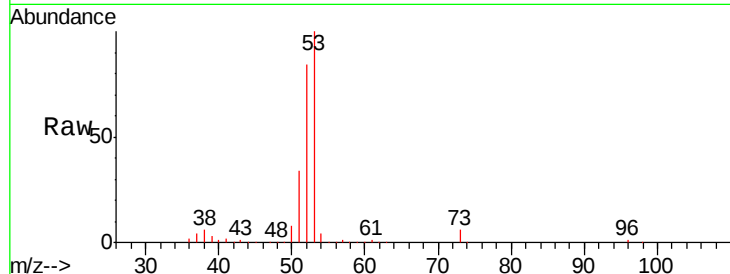
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	846758
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.1	97.7
51	36.0	28.1	42.1

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#16

Acetone

Concen: 243.313 ug/l

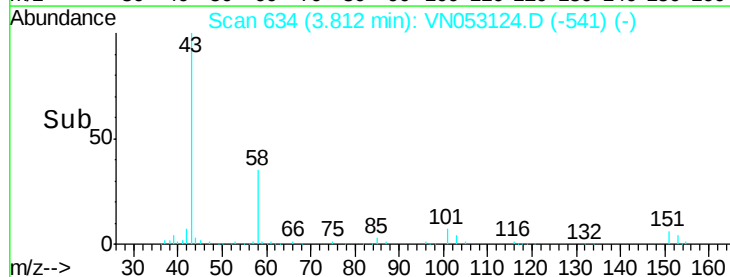
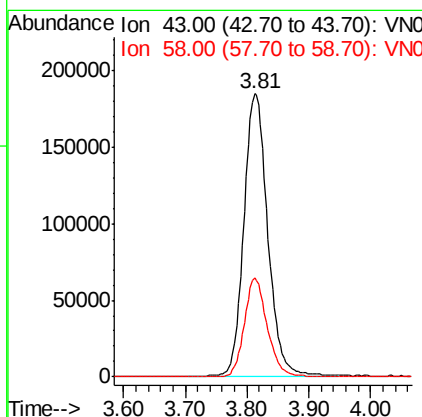
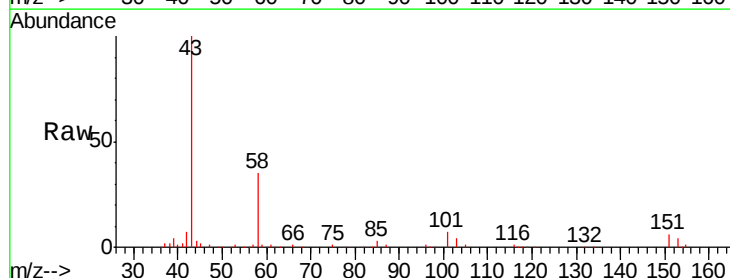
RT: 3.81 min Scan# 634

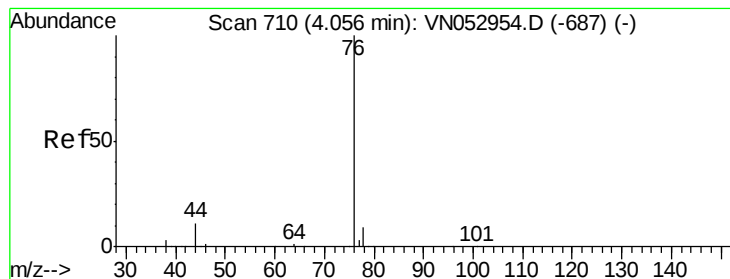
Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Tgt Ion:	43	Resp:	499724
Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.4	38.0





#17

Carbon Disulfide

Concen: 42.213 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 1354408

Ion Ratio Lower Upper

76 100

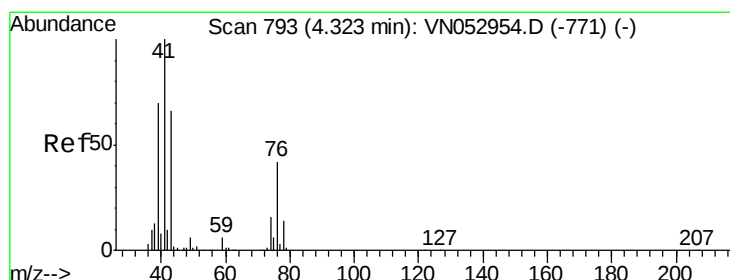
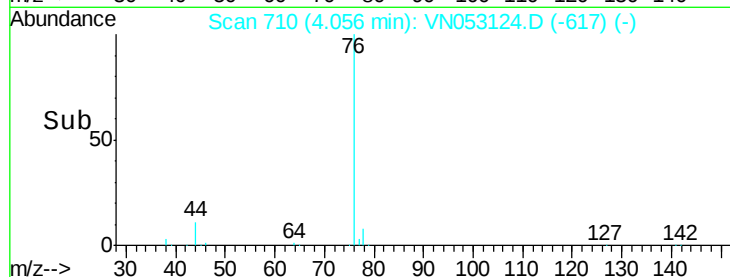
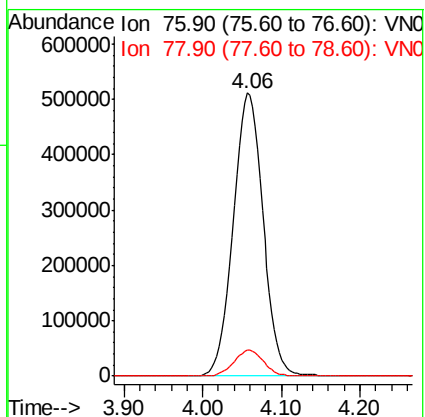
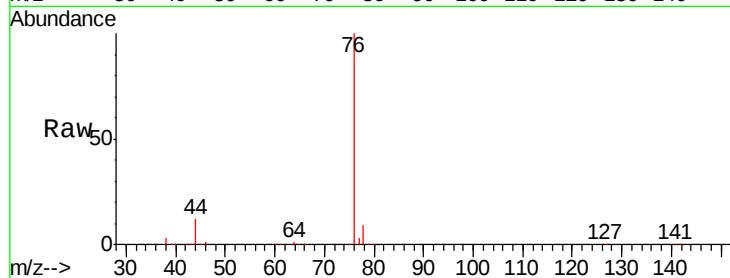
78 9.1 7.1 10.7

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#18

Methyl Acetate

Concen: 49.477 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053124.D

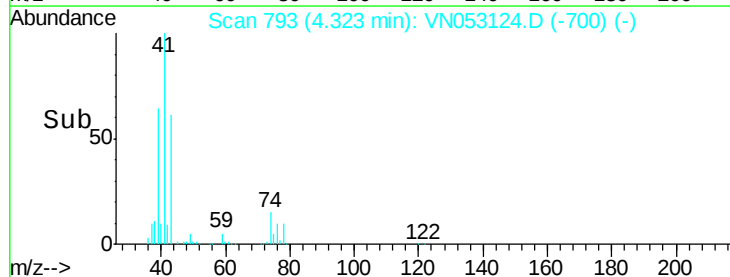
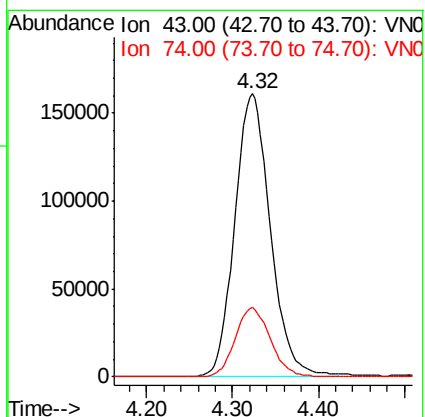
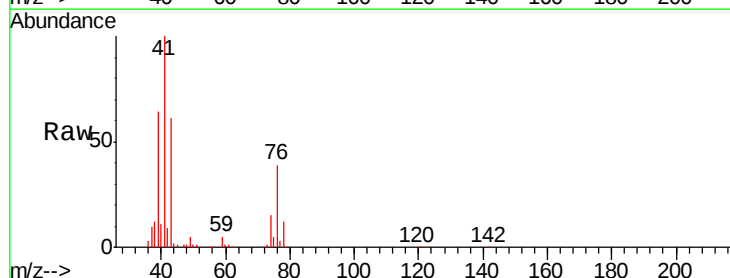
Acq: 22 Dec 2018 10:24

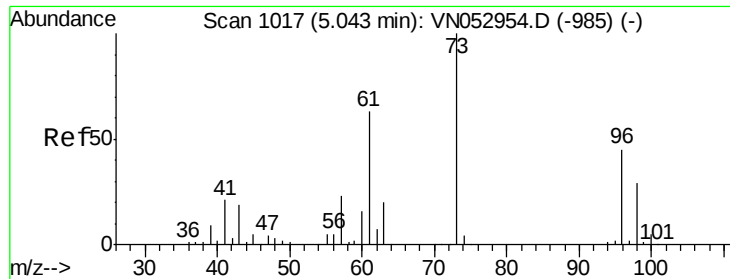
Tgt Ion: 43 Resp: 461117

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8





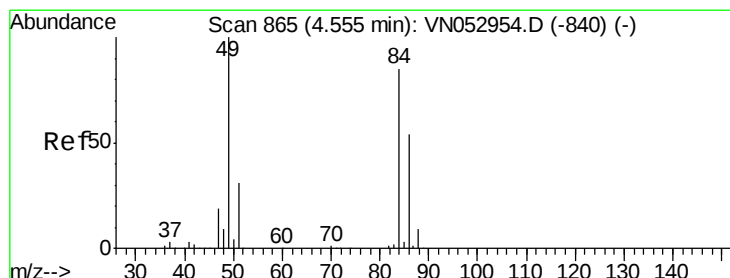
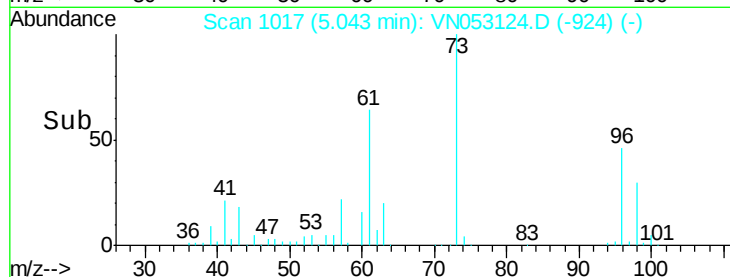
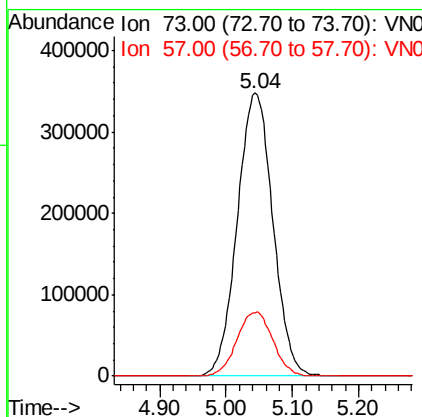
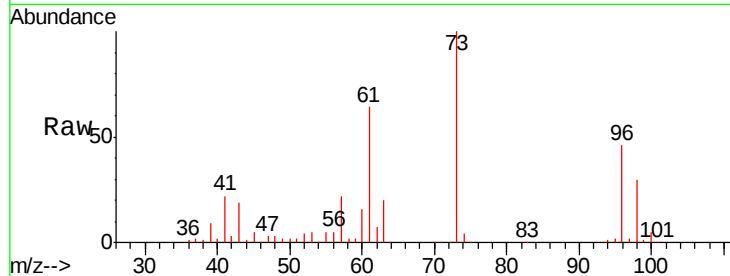
#19
Methyl tert-butyl Ether
Concen: 49.238 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1296367
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

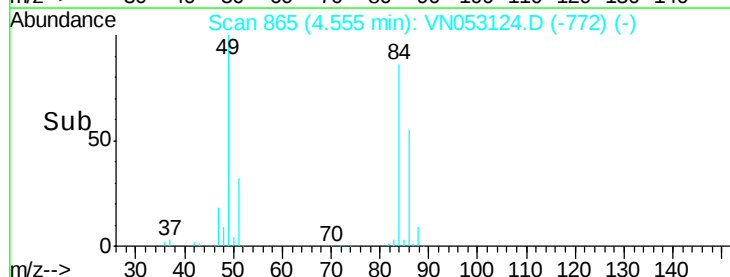
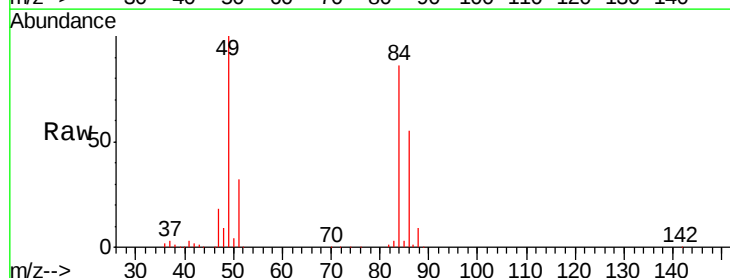
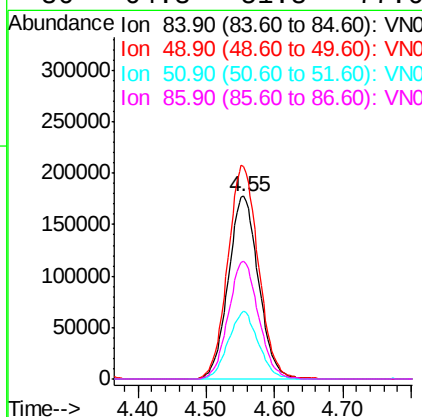
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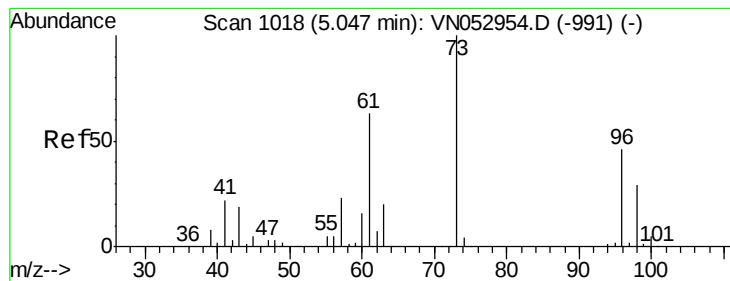
MMDadoda
12/24/2018 9:32:37 AM



#20
Methylene Chloride
Concen: 48.819 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 84 Resp: 546939
Ion Ratio Lower Upper
84 100
49 116.6 96.8 145.2
51 36.9 29.9 44.9
86 64.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.841 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 516276

Ion Ratio Lower Upper

96 100

61 138.8 110.8 166.2

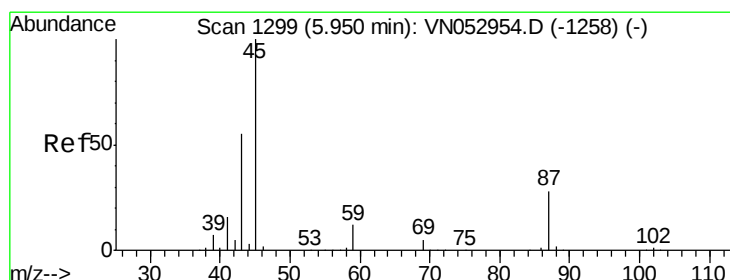
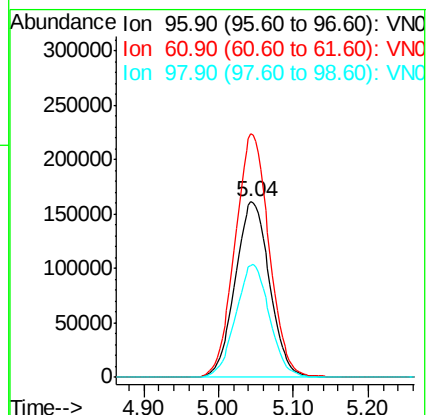
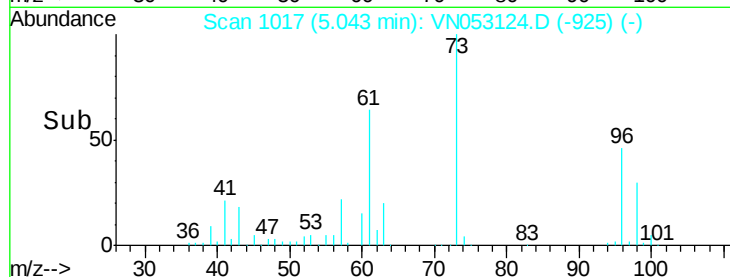
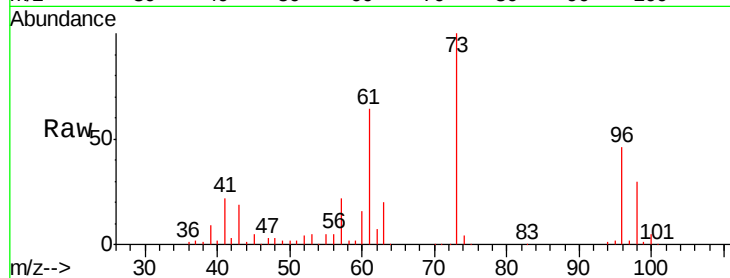
98 64.0 51.4 77.2

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#22

Diisopropyl ether

Concen: 52.027 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Tgt Ion: 45 Resp: 1692375

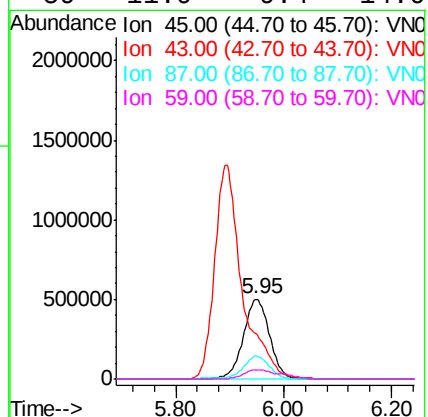
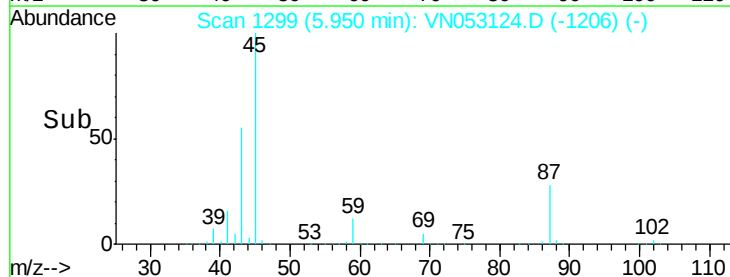
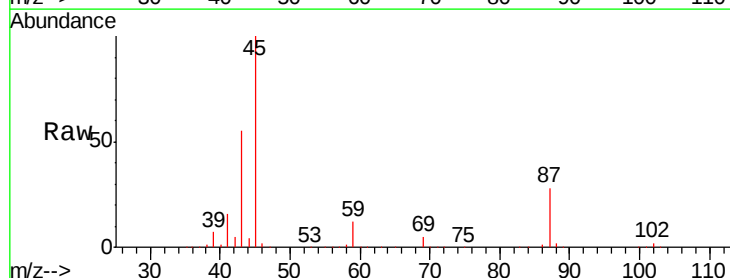
Ion Ratio Lower Upper

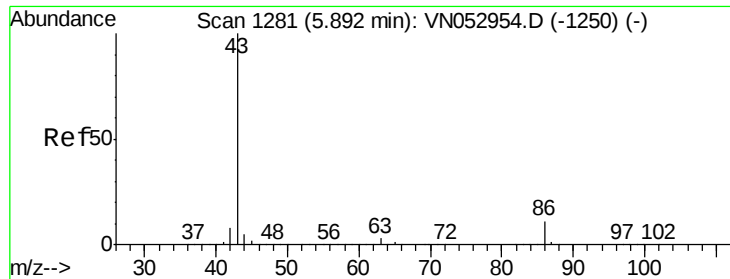
45 100

43 54.8 45.5 68.3

87 28.3 22.0 33.0

59 11.9 9.4 14.0





#23

Vinyl Acetate

Concen: 254.302 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 4756715

Ion Ratio Lower Upper

43 100

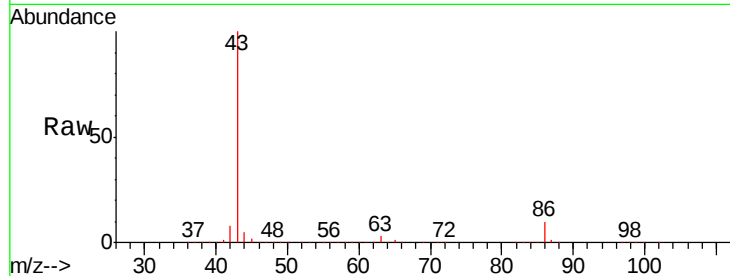
86 10.4 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1500000

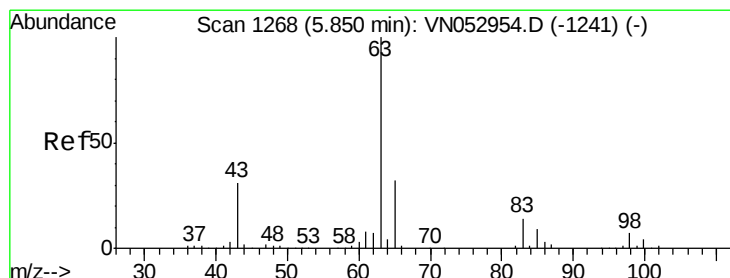
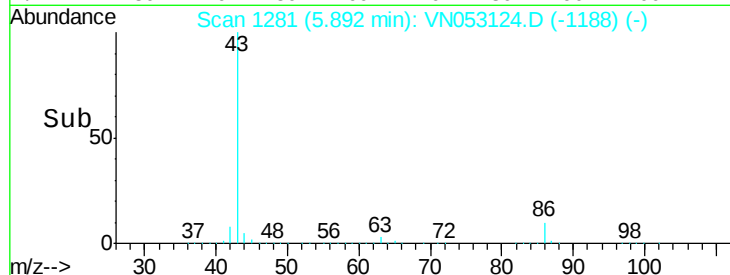
1000000

500000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 50.443 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

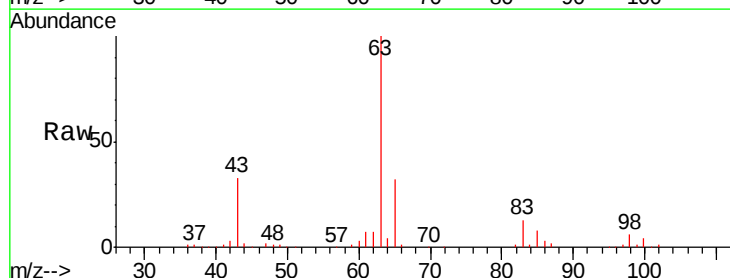
Tgt Ion: 63 Resp: 975042

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

400000

300000

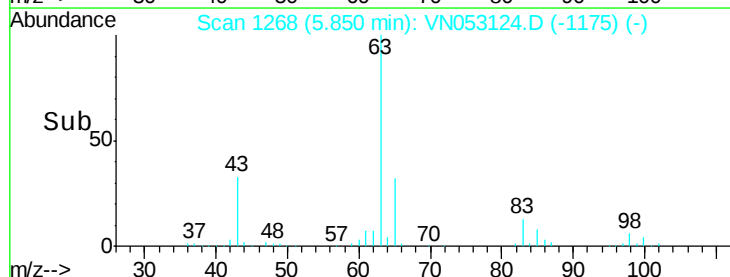
200000

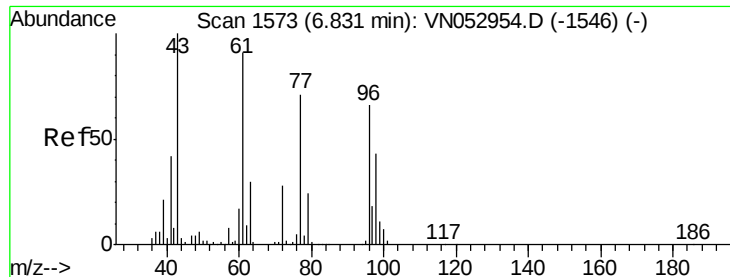
100000

0

5.70 5.80 5.90 6.00

Time-->





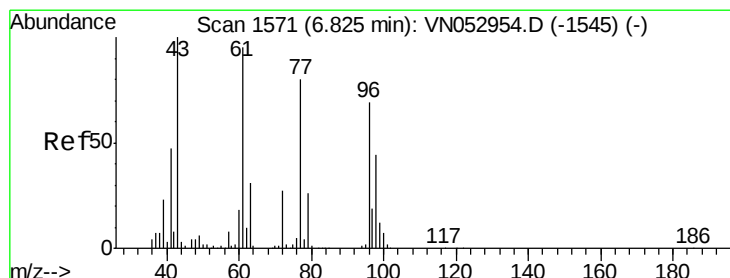
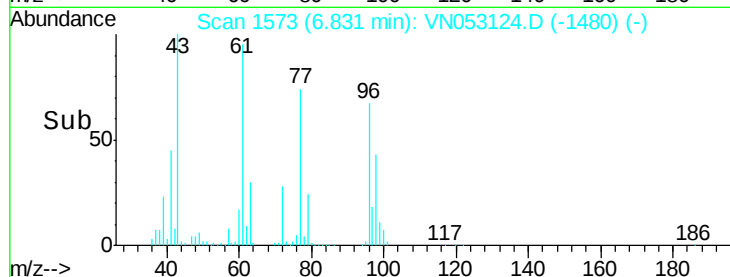
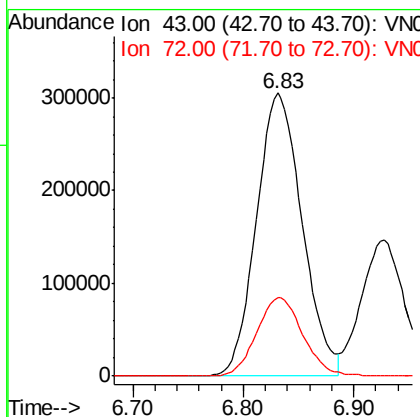
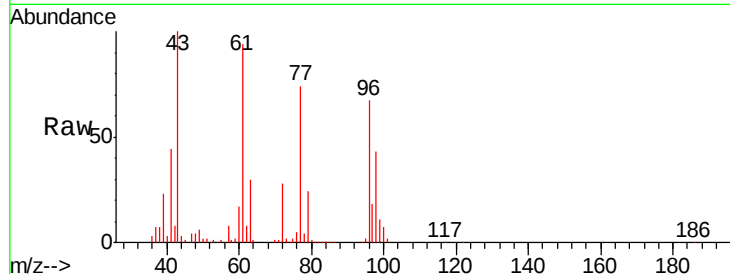
#25
2-Butanone
Concen: 253.790 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 874772
Ion Ratio Lower Upper
43 100
72 27.9 21.0 31.6

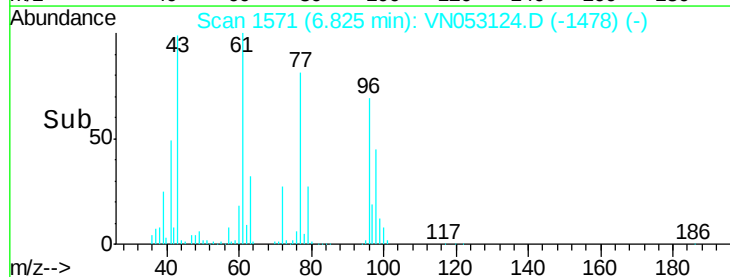
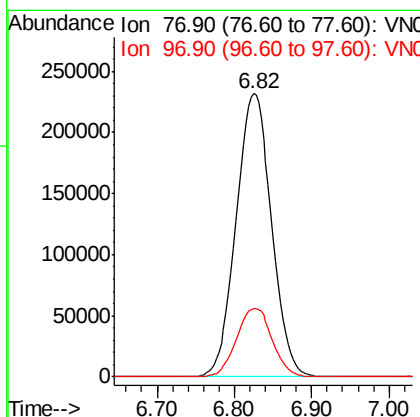
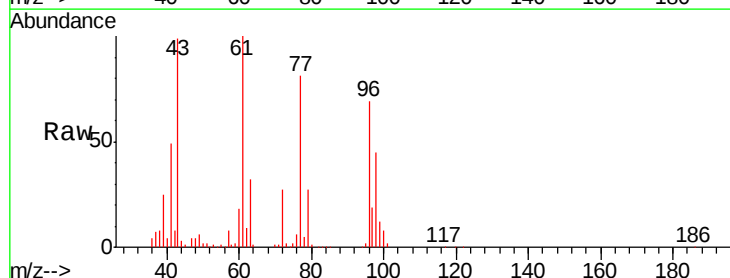
Manual Integrations
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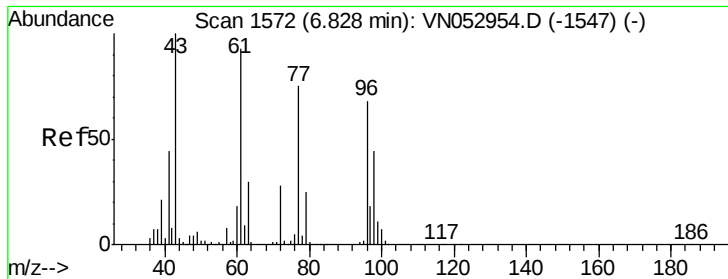
MMDadoda
12/24/2018 9:32:37 AM



#26
2,2-Dichloropropane
Concen: 49.997 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 77 Resp: 737729
Ion Ratio Lower Upper
77 100
97 24.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.062 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

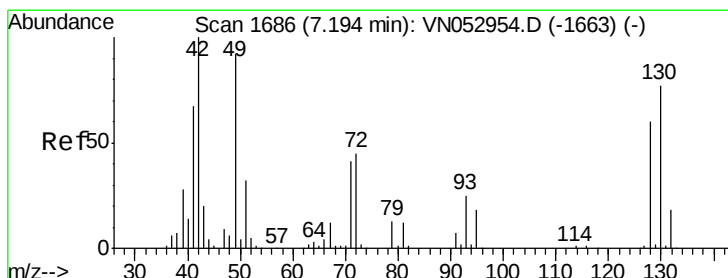
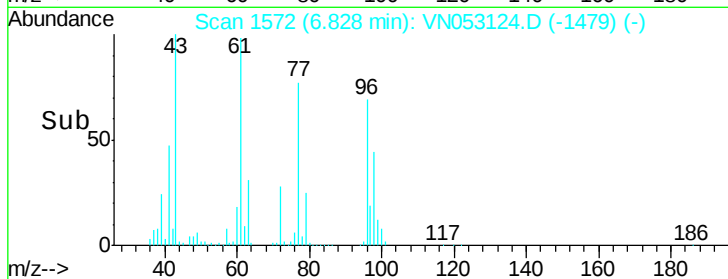
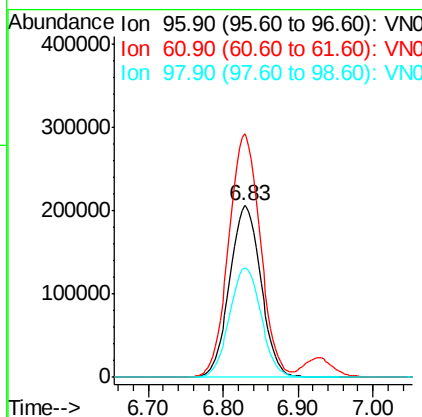
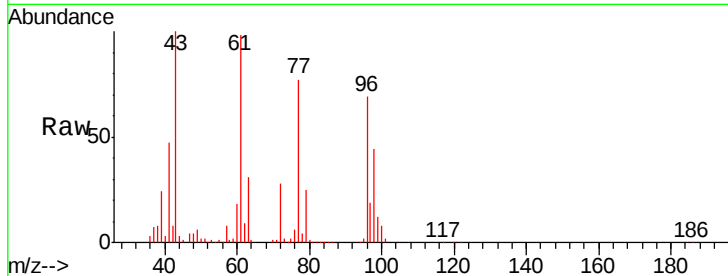
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	599096
Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	284.2
98	64.4	0.0	129.2

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#28

Bromochloromethane

Concen: 51.100 ug/l

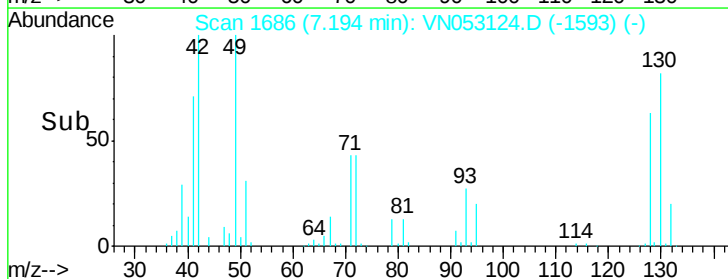
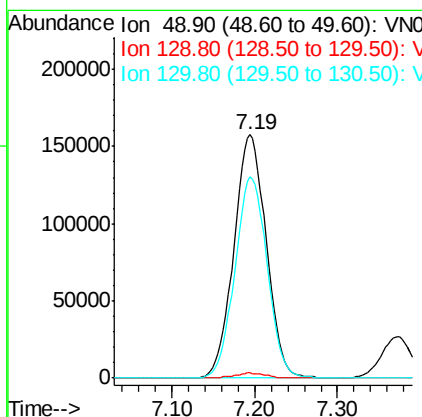
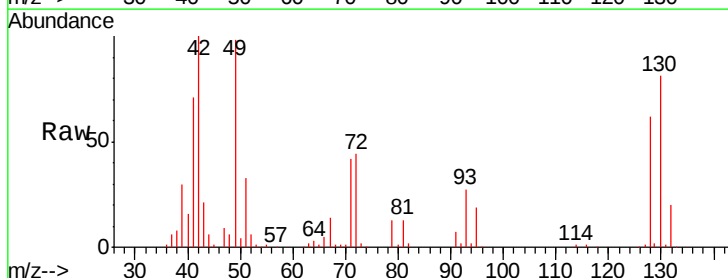
RT: 7.19 min Scan# 1686

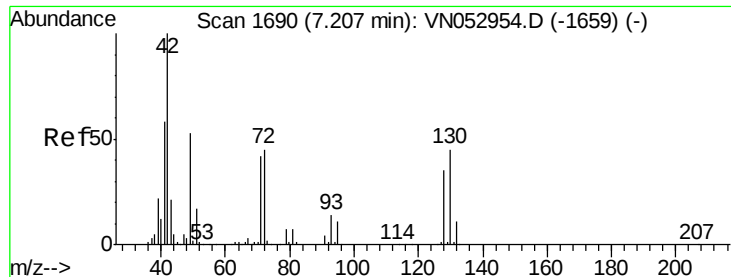
Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Tgt Ion:	49	Resp:	428008
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	82.6	63.3	94.9





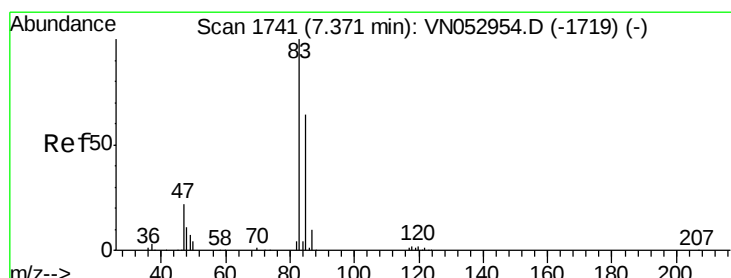
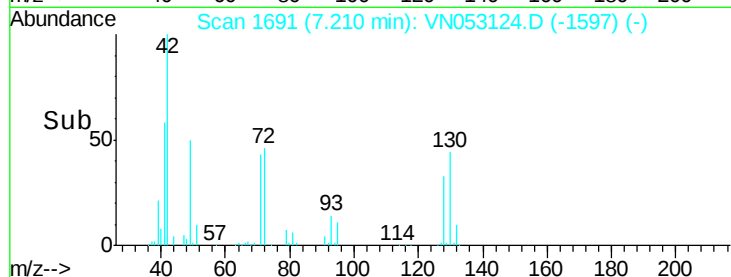
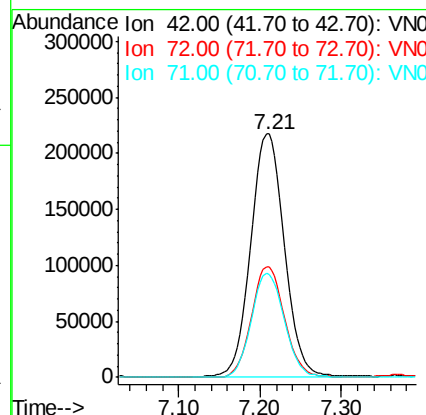
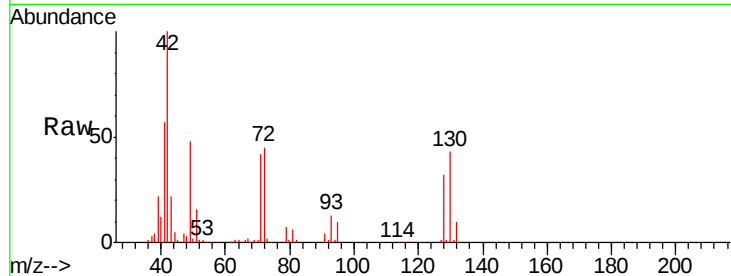
#29
Tetrahydrofuran
Concen: 239.934 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.6	34.7	52.1
71	42.0	32.3	48.5

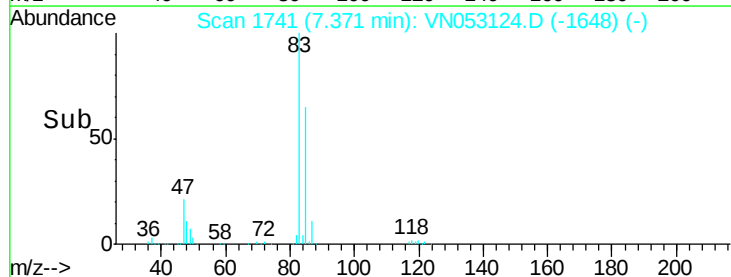
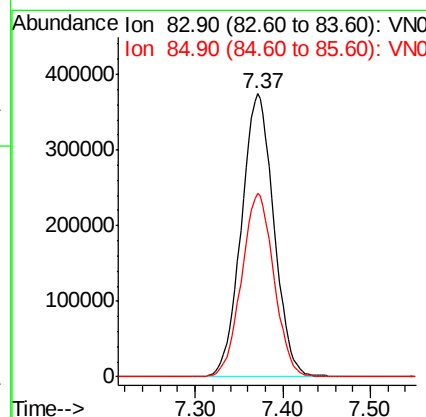
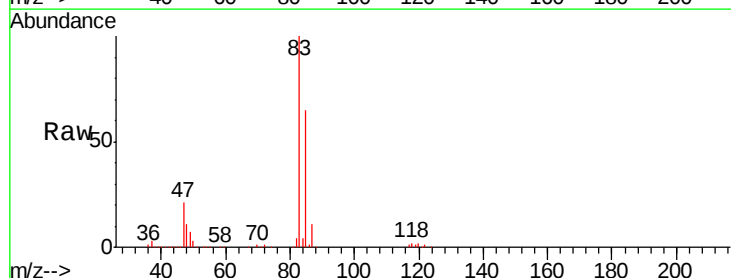
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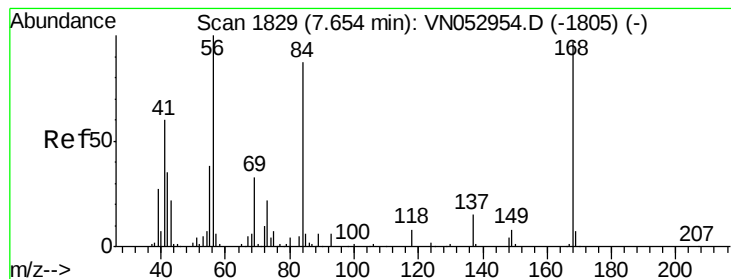
MMDadoda
12/24/2018 9:32:37 AM



#30
Chloroform
Concen: 50.778 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.1	78.1





#31

Cyclohexane

Concen: 50.477 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 914904
Ion Ratio Lower Upper

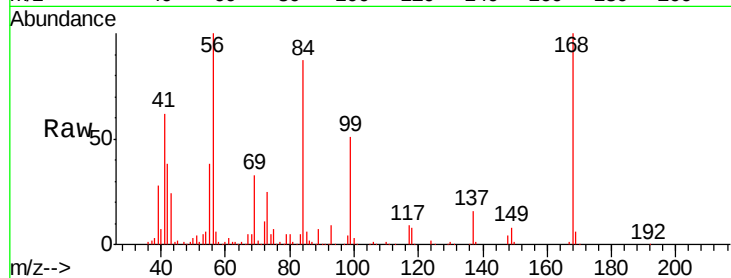
56 100

69 33.2 26.6 39.8

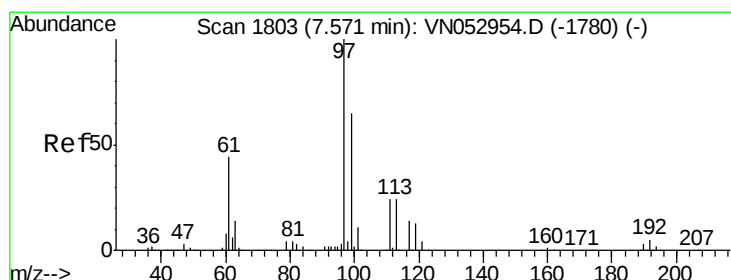
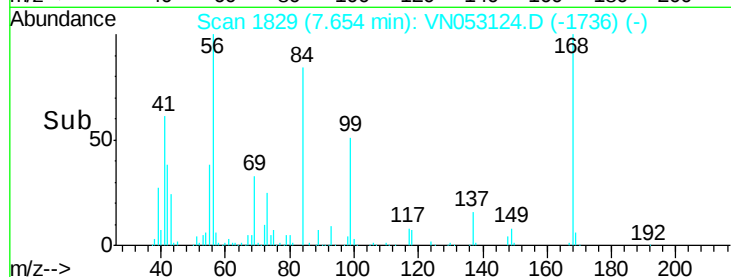
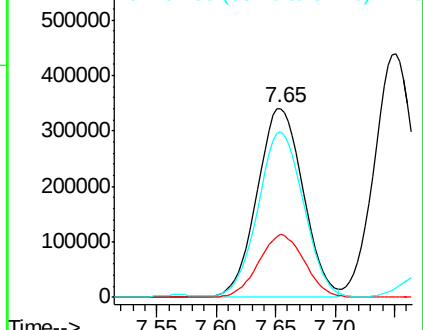
84 86.2 68.4 102.6

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.806 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053124.D

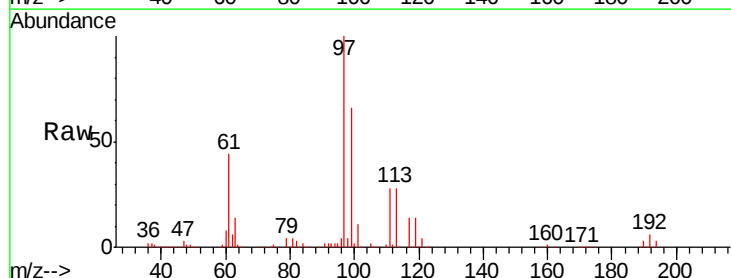
Acq: 22 Dec 2018 10:24

Tgt Ion: 97 Resp: 789469
Ion Ratio Lower Upper

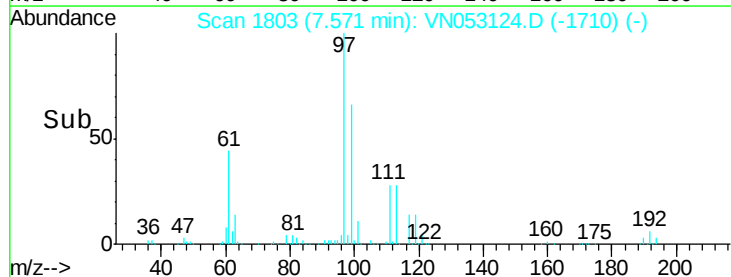
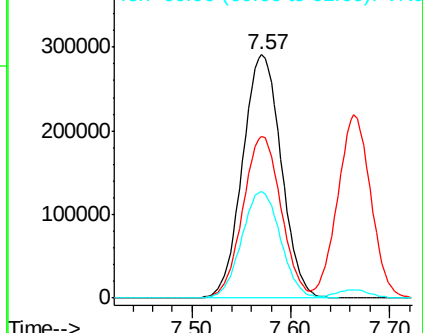
97 100

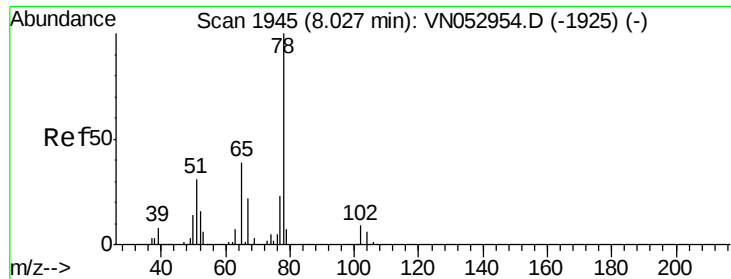
99 65.6 51.1 76.7

61 44.1 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





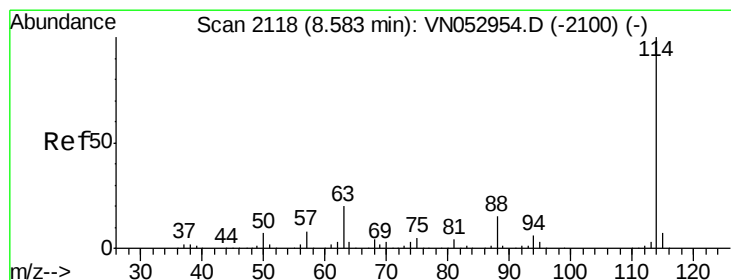
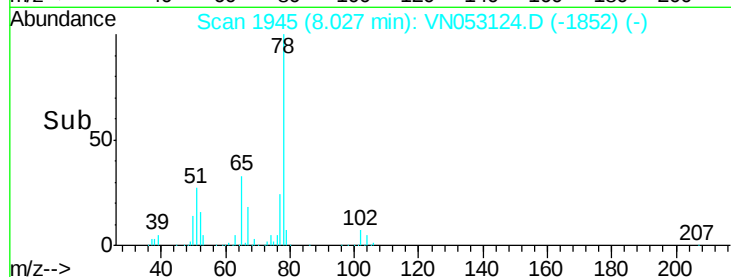
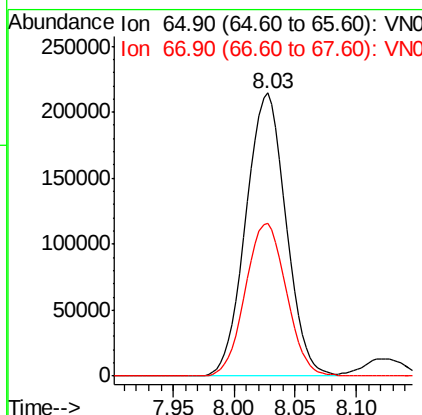
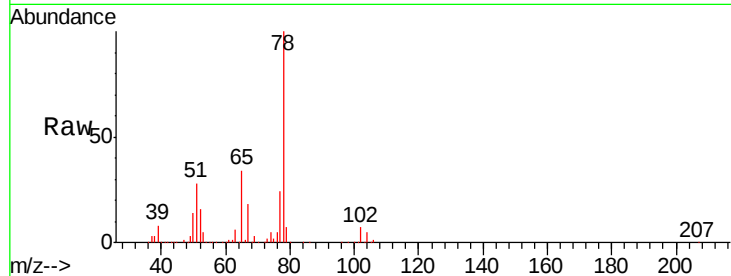
#33
 1,2-Dichloroethane-d4
 Concen: 48.806 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 488697
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4

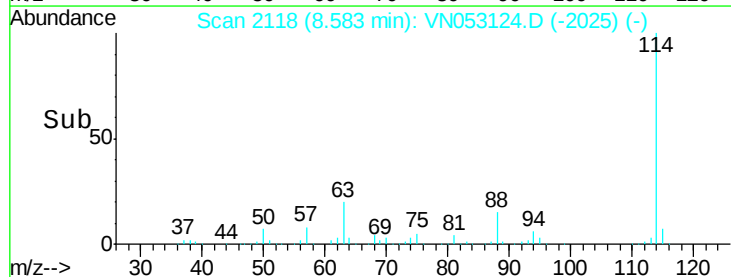
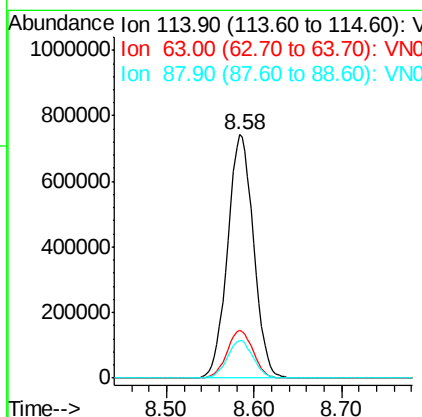
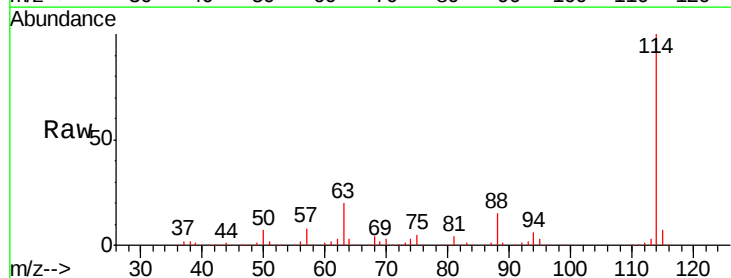
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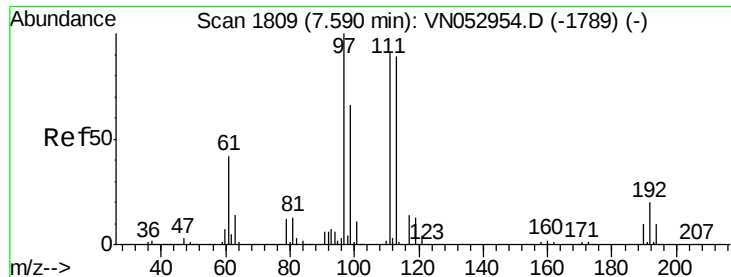
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 114 Resp: 1529299
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

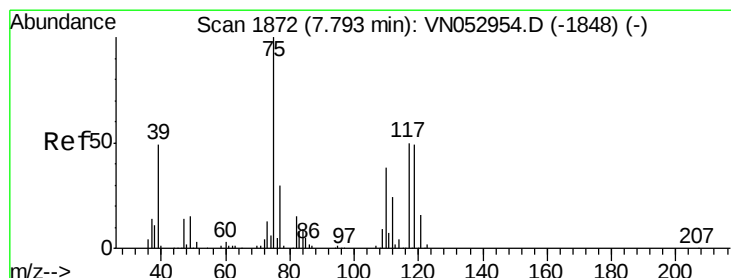
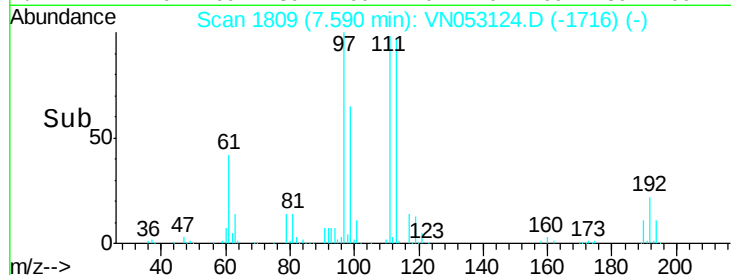
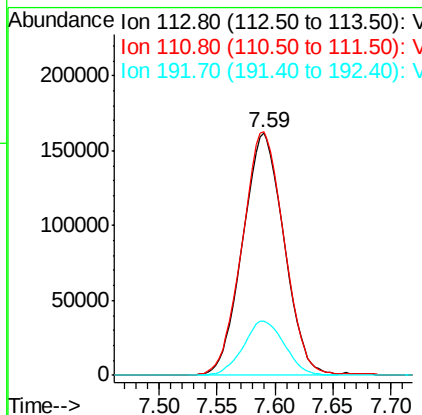
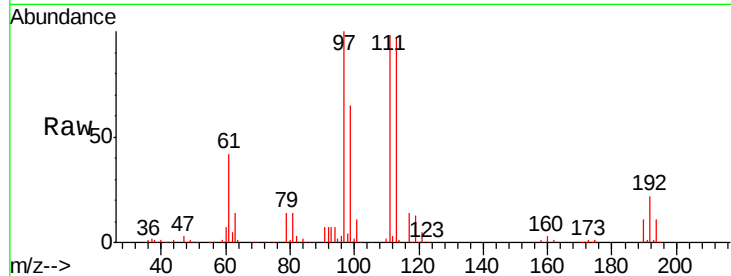
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	402160
Ion Ratio	Lower	Upper	
113	100		
111	101.9	83.0	124.4
192	22.4	17.5	26.3

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#36

1,1-Dichloropropene

Concen: 51.020 ug/l

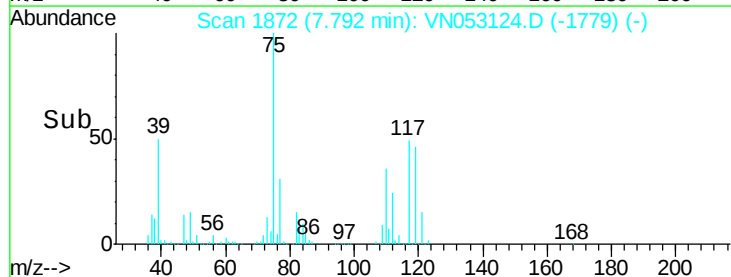
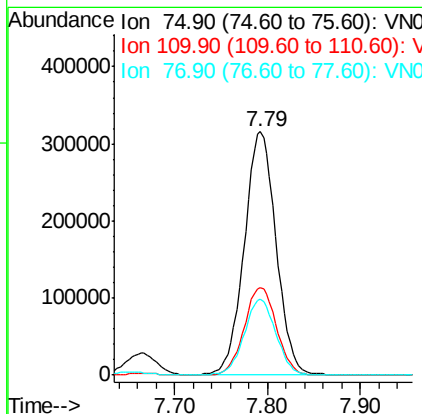
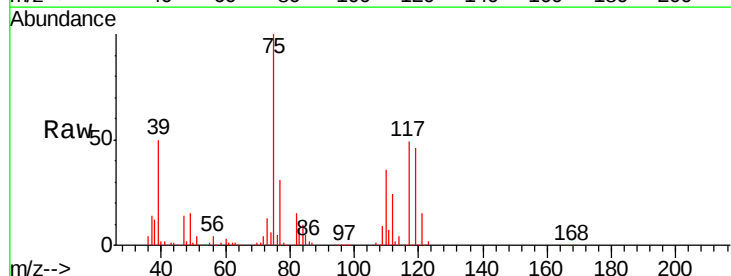
RT: 7.79 min Scan# 1872

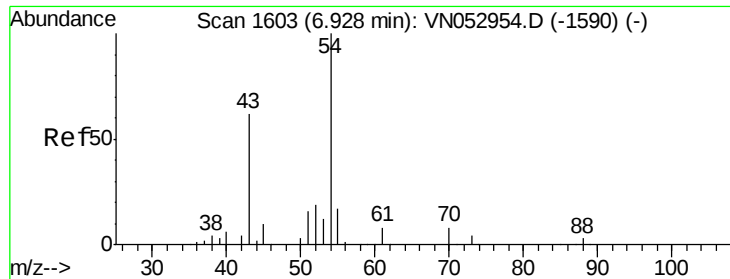
Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Tgt Ion:	75	Resp:	748907
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.2	54.6
77	31.2	24.9	37.3





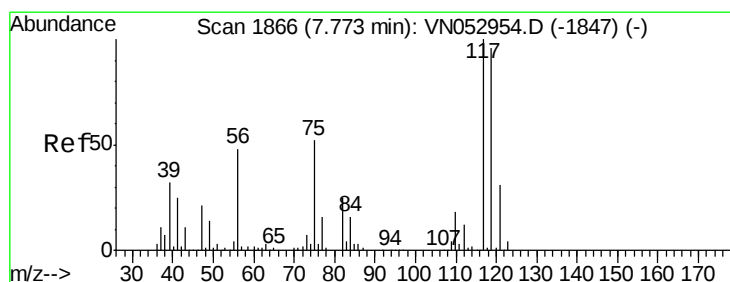
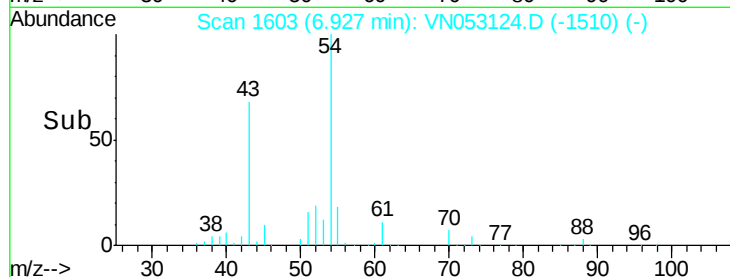
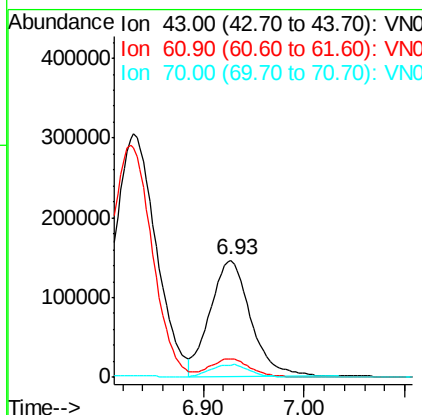
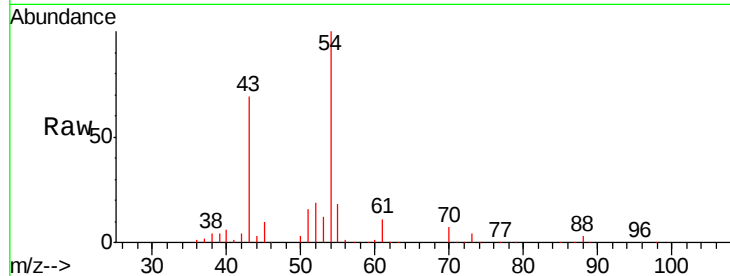
#37
Ethyl Acetate
Concen: 49.985 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	10.7	8.4	12.6

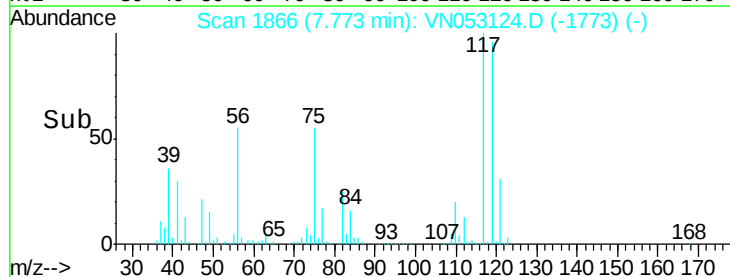
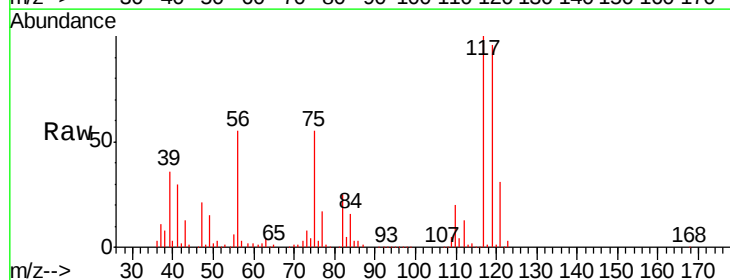
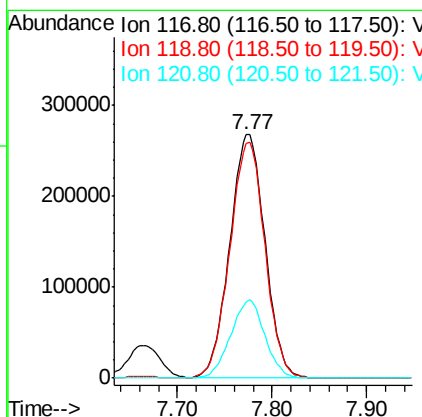
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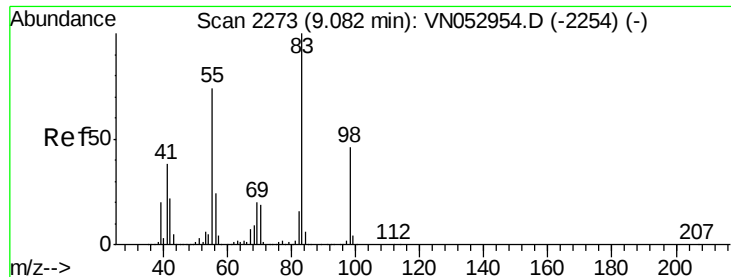
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#38
Carbon Tetrachloride
Concen: 51.352 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.1	115.7
121	31.2	24.9	37.3





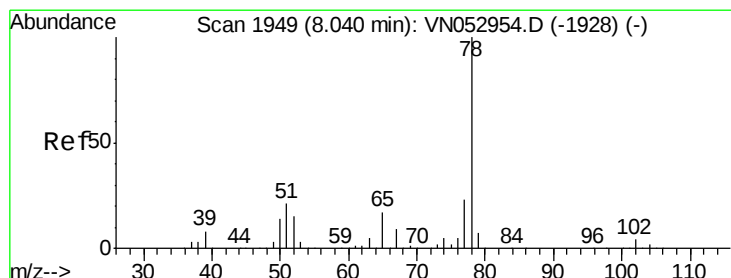
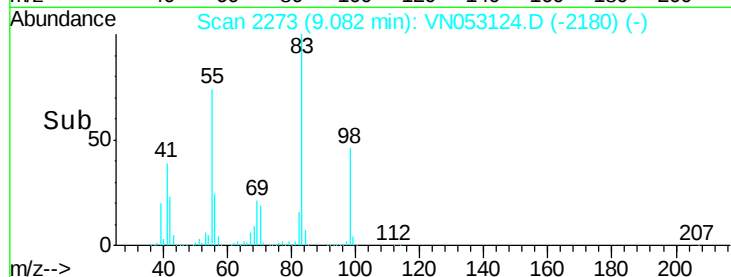
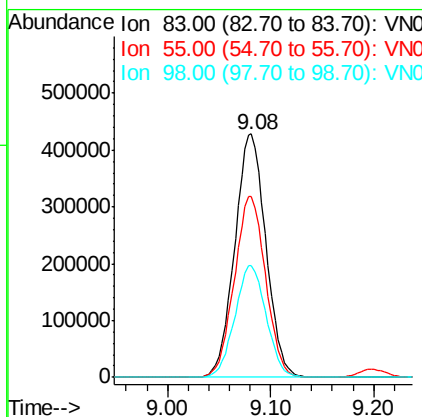
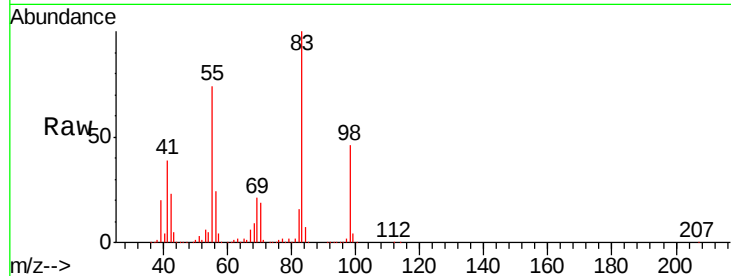
#39
Methylcyclohexane
Concen: 50.450 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	899610		
55	74.3	61.3	91.9	
98	45.8	37.0	55.4	

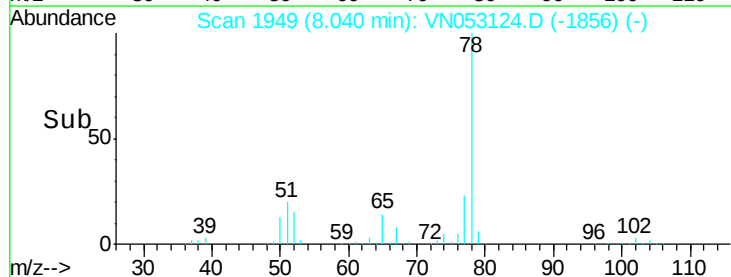
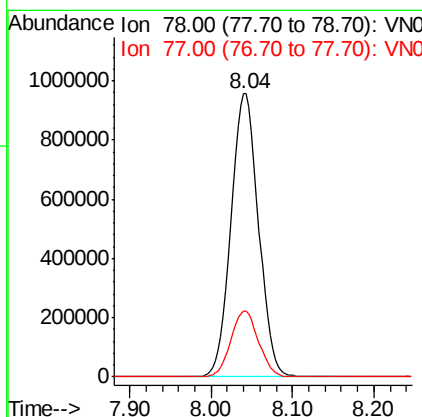
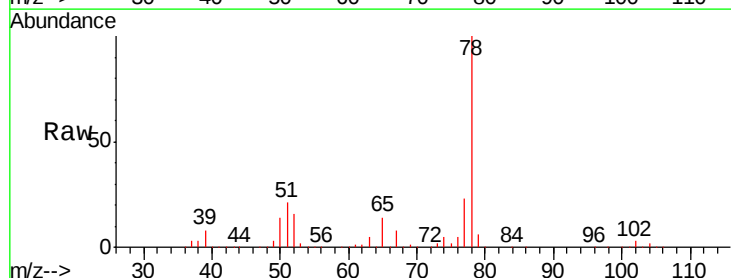
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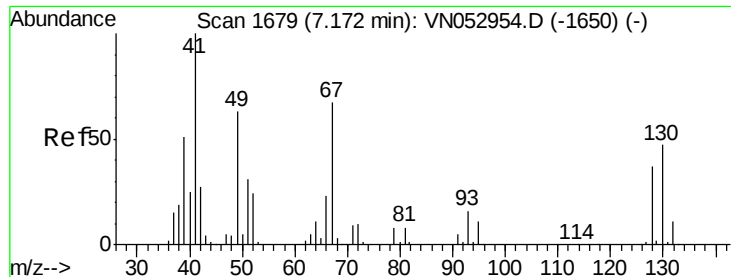
MMDadoda
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#40
Benzene
Concen: 51.658 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2255444		
77	23.1	18.5	27.7	





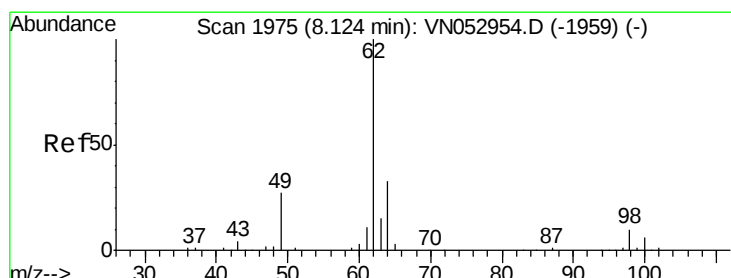
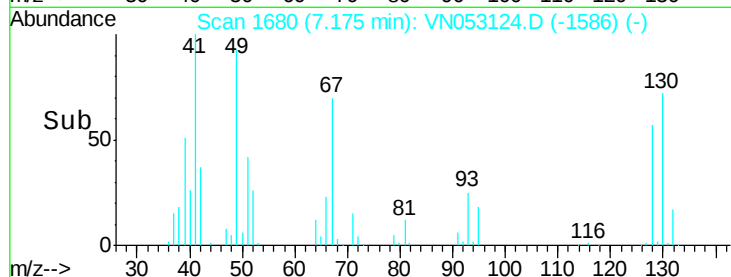
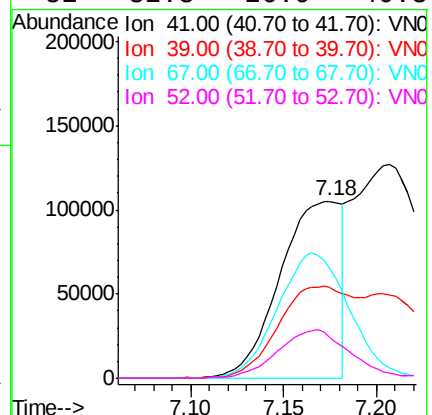
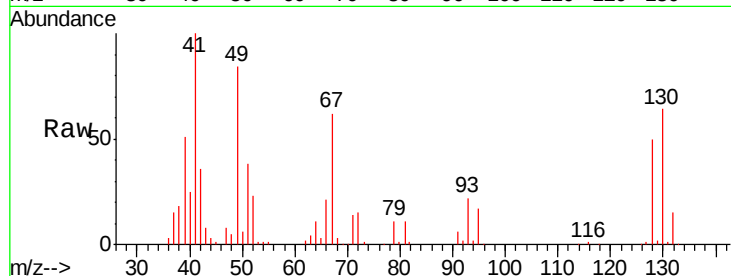
#41
Methacrylonitrile
Concen: 50.944 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.7	48.0	72.0
67	84.2	70.3	105.5
52	32.8	26.9	40.3

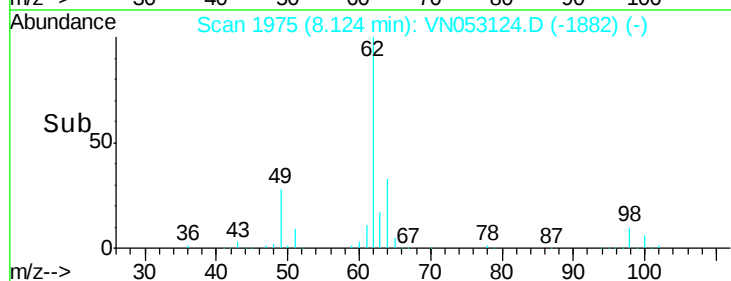
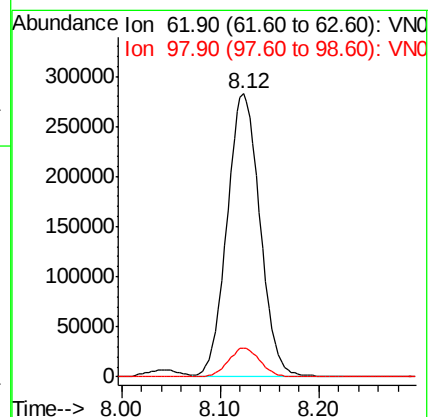
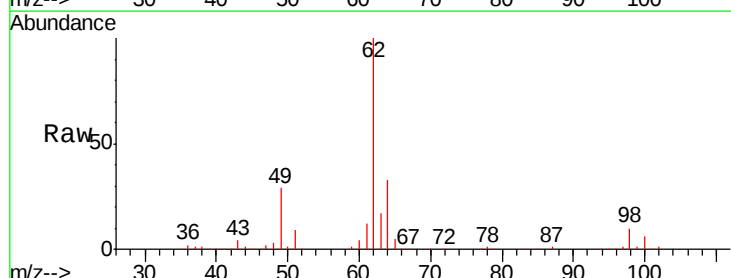
Manual Integrations
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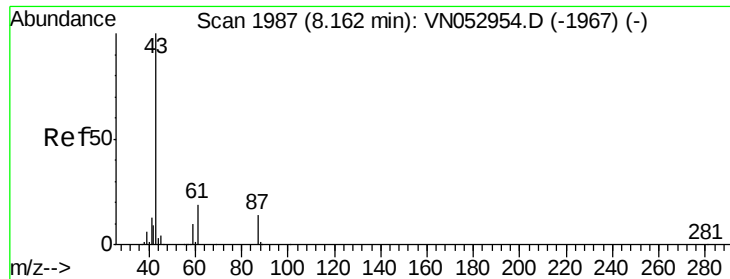
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.904 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





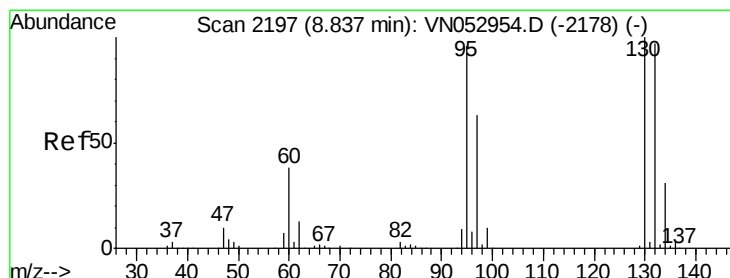
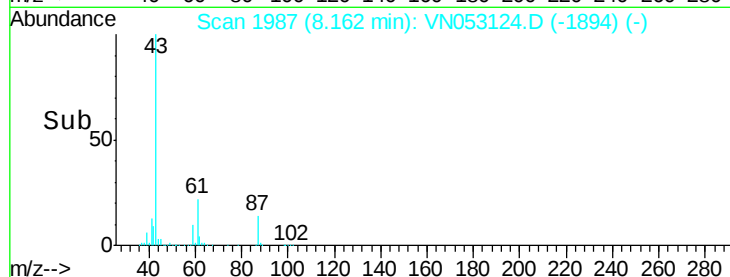
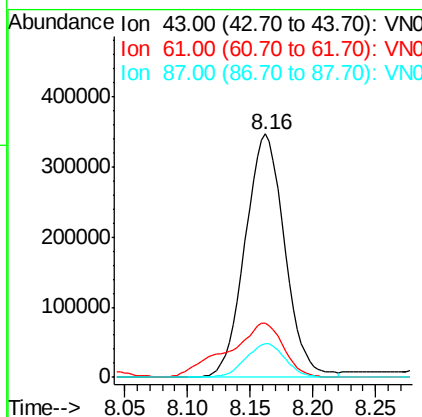
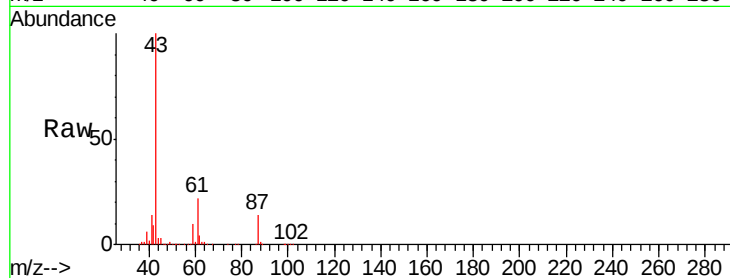
#43
Isopropyl Acetate
Concen: 47.882 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.9	22.9	34.3
87	14.0	10.6	15.8

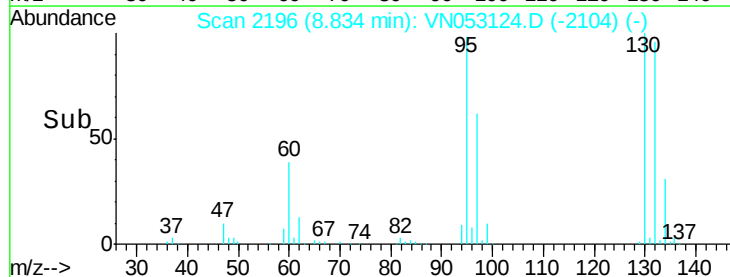
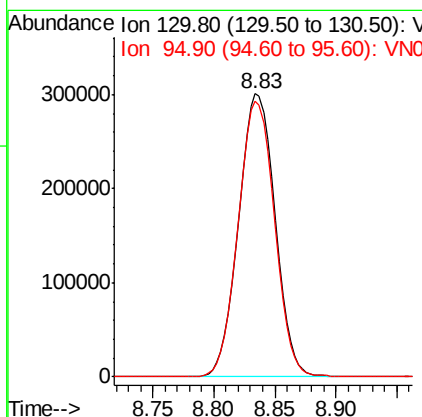
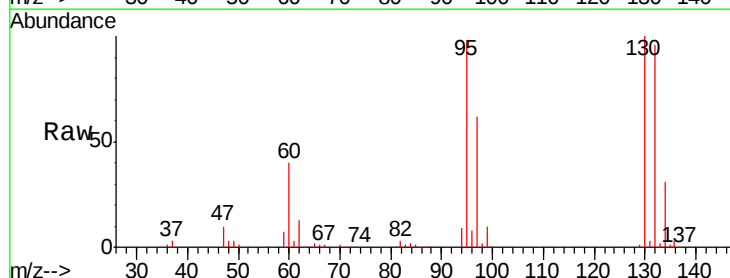
Manual Integrations
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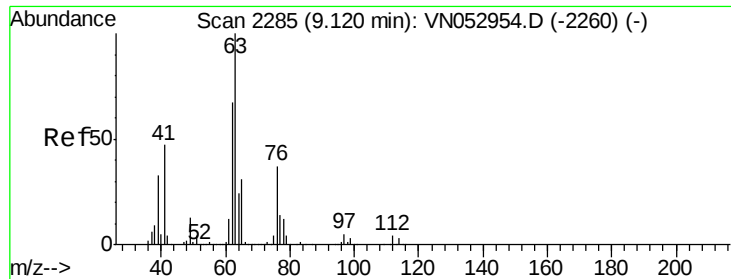
MMDadoda
12/24/2018 9:32:37 AM



#44
Trichloroethene
Concen: 49.258 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	197.8





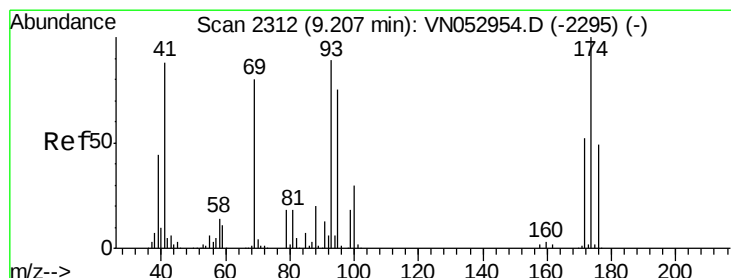
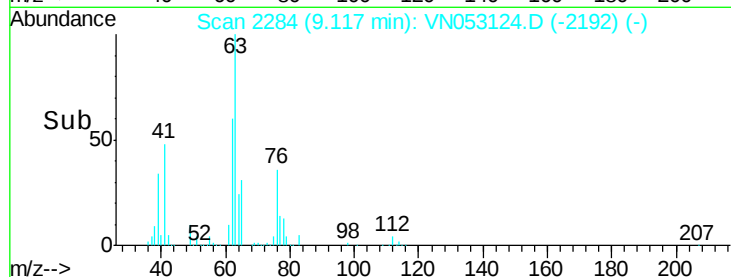
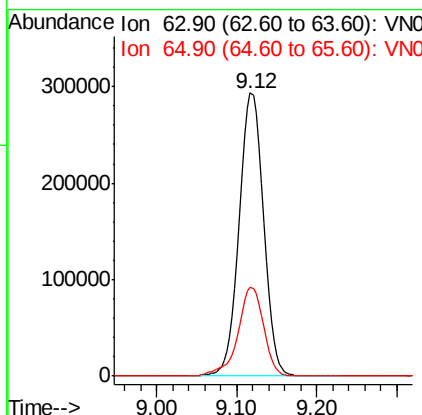
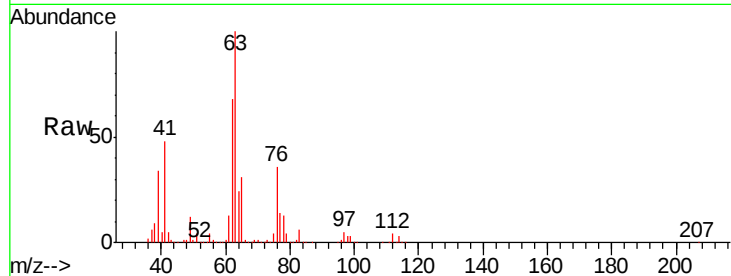
#45
 1,2-Dichloropropane
 Concen: 52.925 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 601890
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 37.0

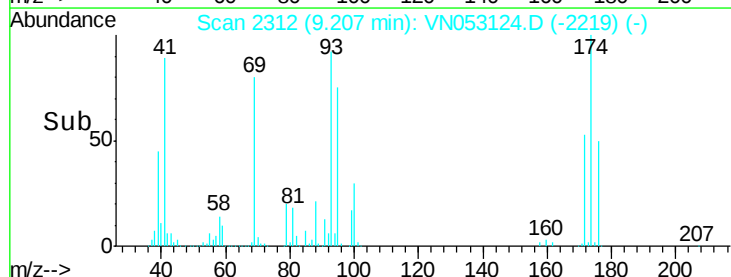
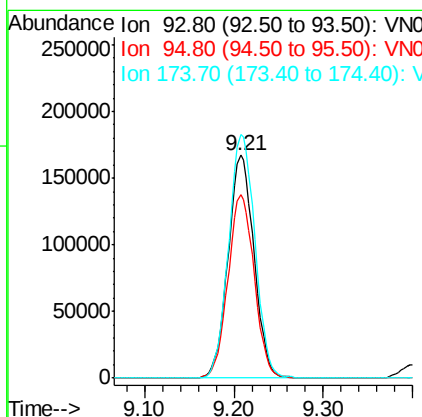
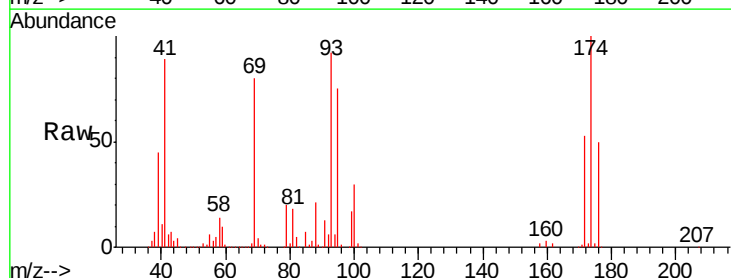
Manual Integrations
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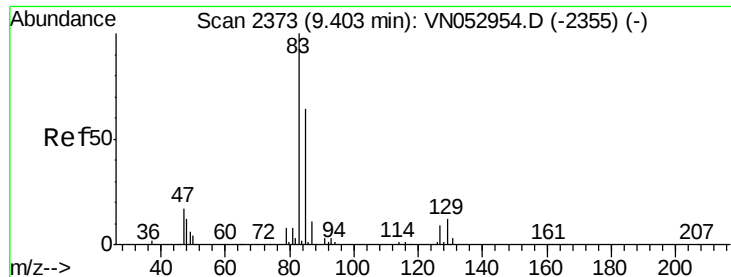
MMDadoda
 12/24/2018 9:32:37 AM



#46
 Dibromomethane
 Concen: 50.947 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 93 Resp: 337525
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.8 101.6
 174 111.2 89.0 133.4





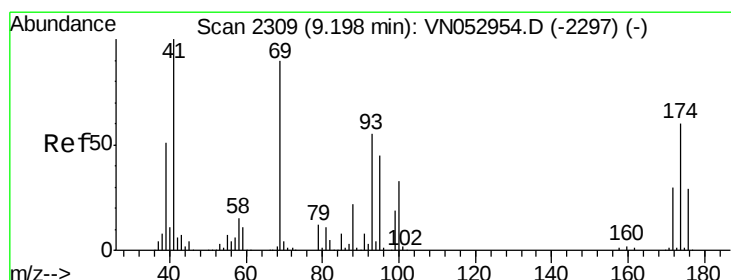
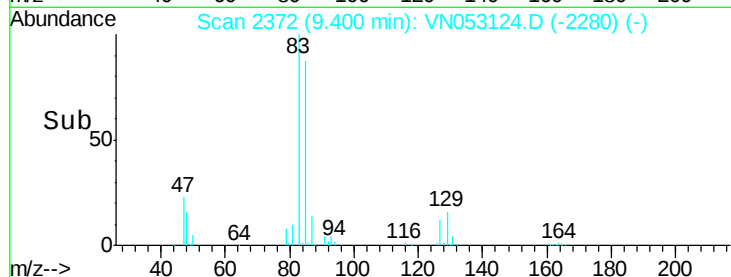
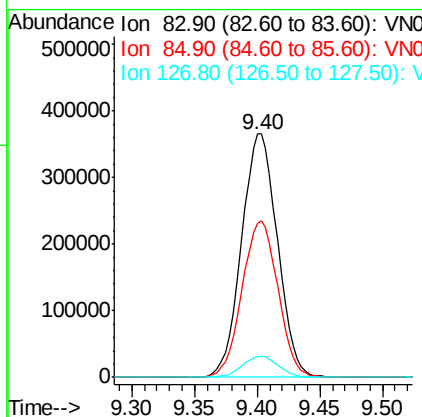
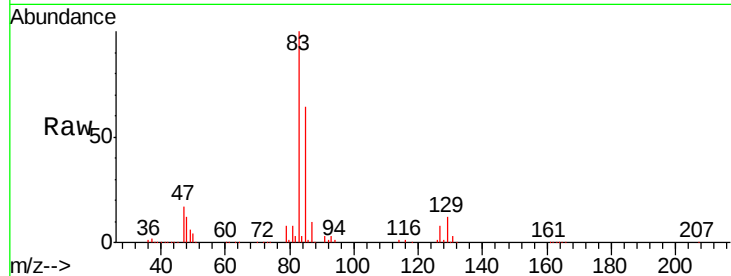
#47
Bromodichloromethane
Concen: 51.716 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4
127	8.5	7.1	10.7

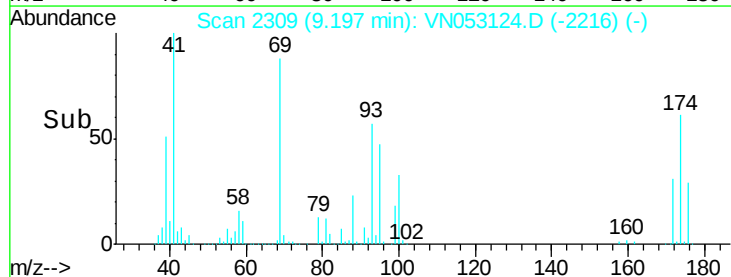
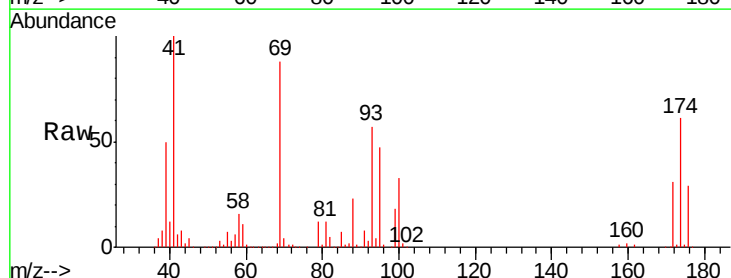
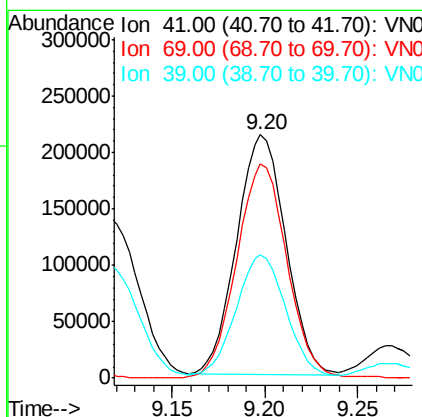
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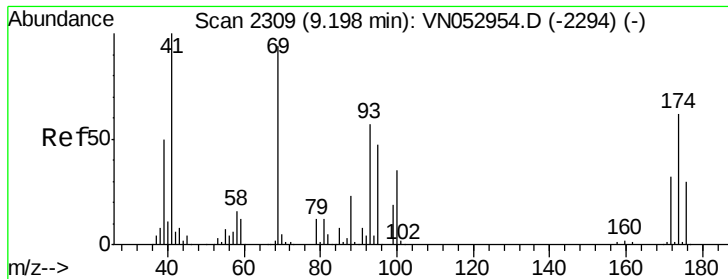
MMDadoda
12/24/2018 9:32:37 AM



#48
Methyl methacrylate
Concen: 49.462 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.9	72.2	108.2
39	52.7	41.9	62.9





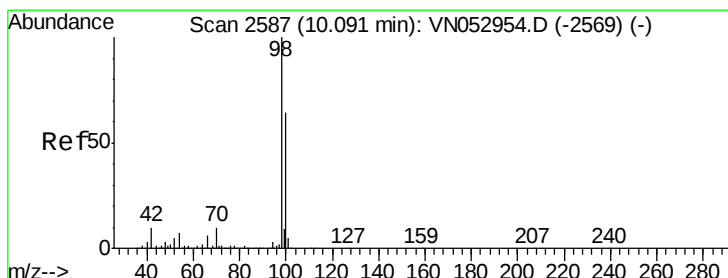
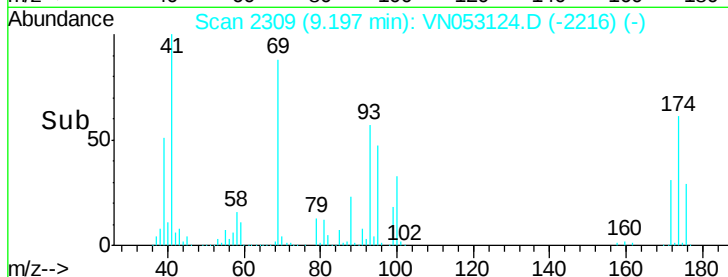
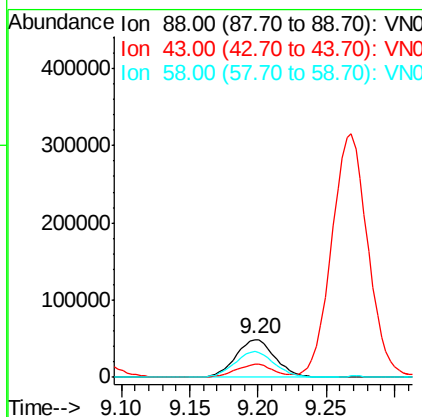
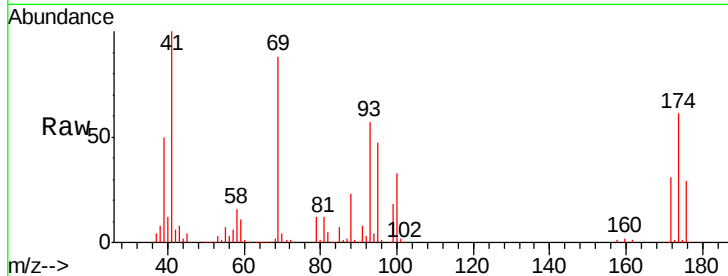
#49
1,4-Dioxane
Concen: 983.154 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.6	40.0
58	68.2	58.4	87.6

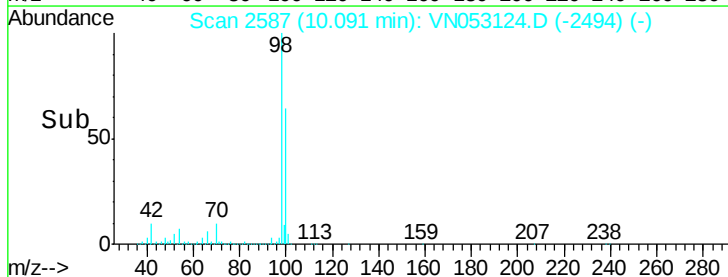
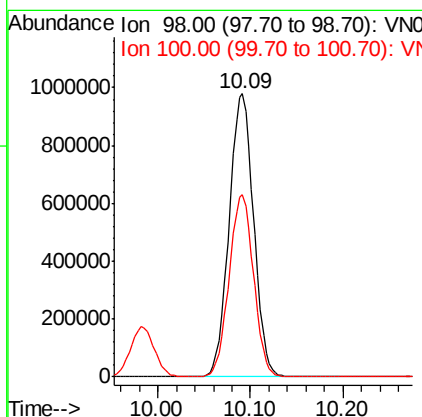
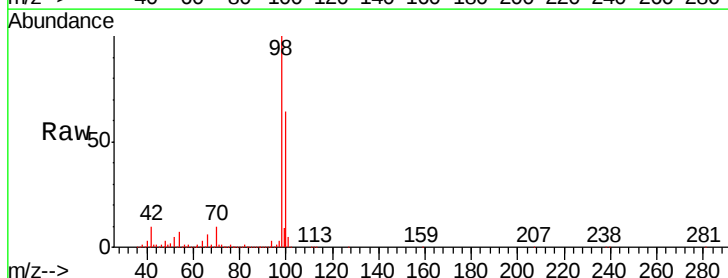
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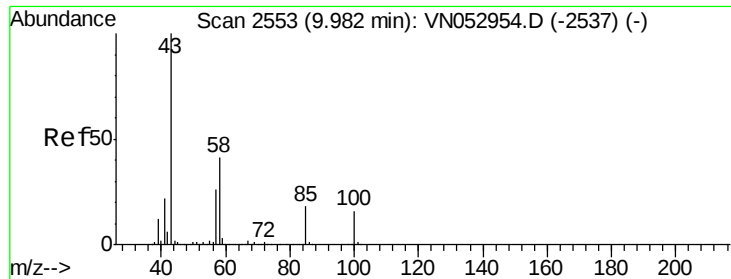
MMDadoda
12/24/2018 9:32:37 AM



#50
Toluene-d8
Concen: 983.154 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





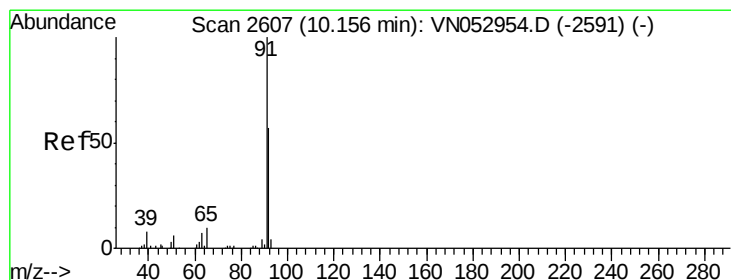
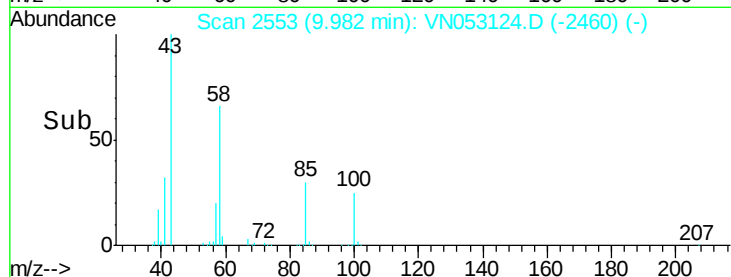
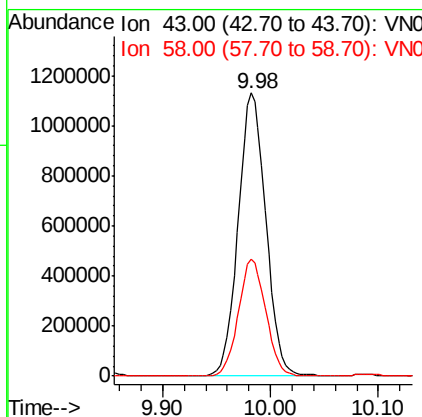
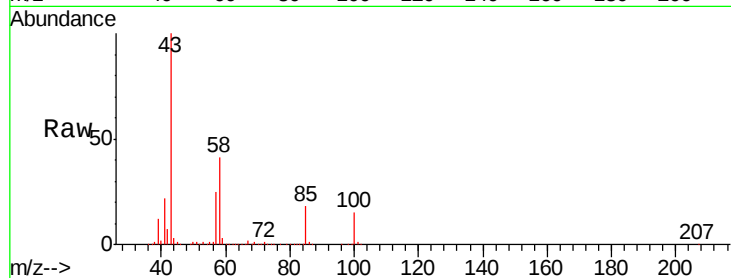
#51
 4-Methyl-2-Pentanone
 Concen: 254.016 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2015762
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.2 48.4

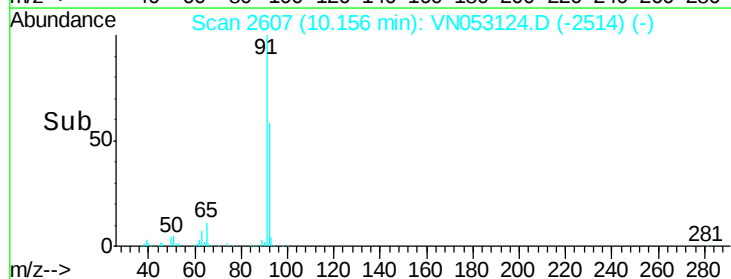
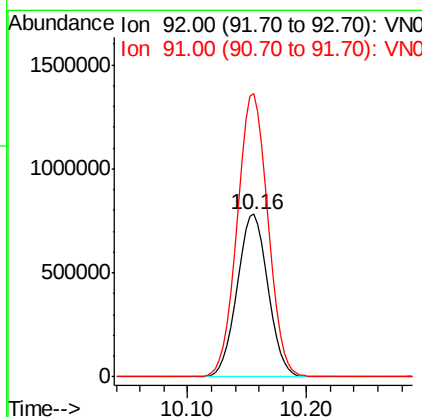
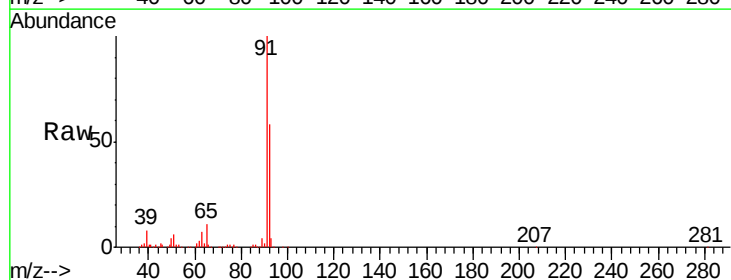
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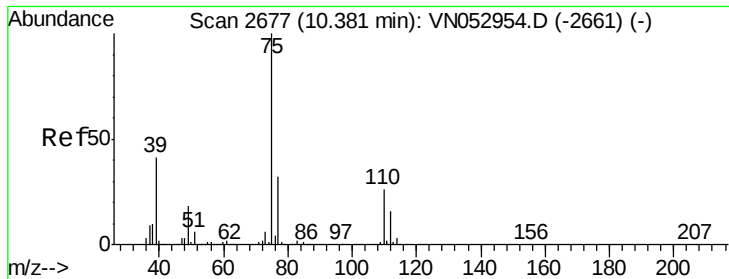
MMDadoda
 12/24/2018 9:32:37 AM



#52
 Toluene
 Concen: 51.954 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 92 Resp: 1406013
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 50.040 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 741006

Ion Ratio Lower Upper

75 100

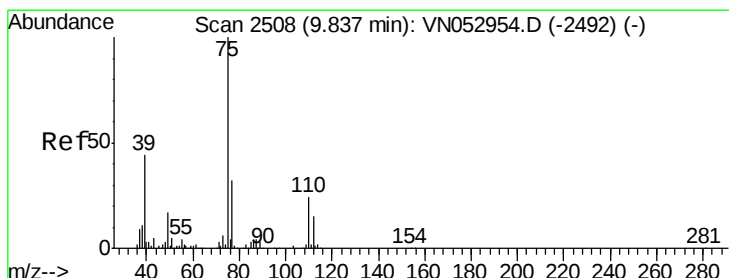
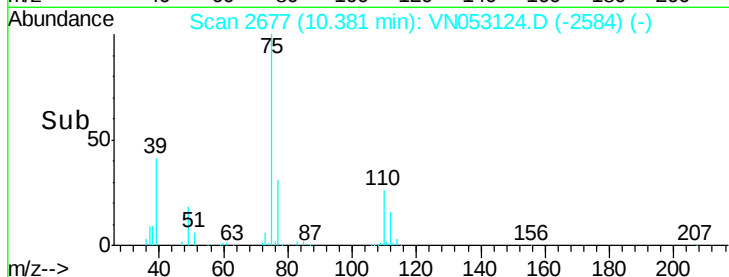
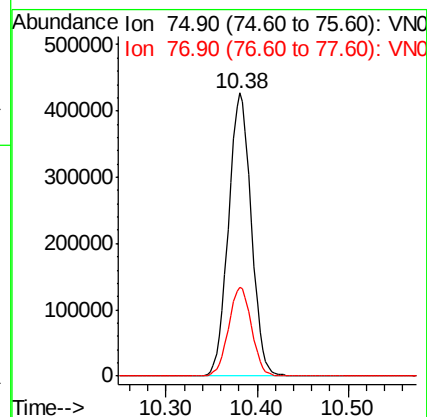
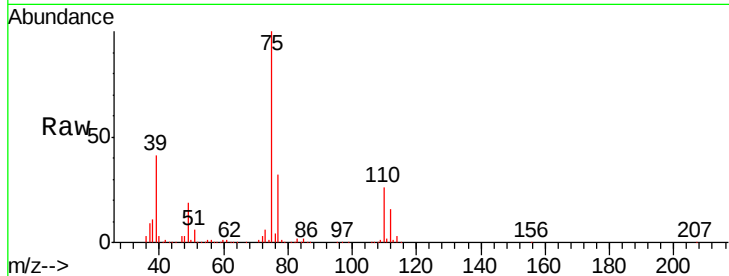
77 31.5 25.6 38.4

Manual Integrations

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MMDadoda

12/24/2018 9:32:37 AM



#54

cis-1,3-Dichloropropene

Concen: 51.672 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

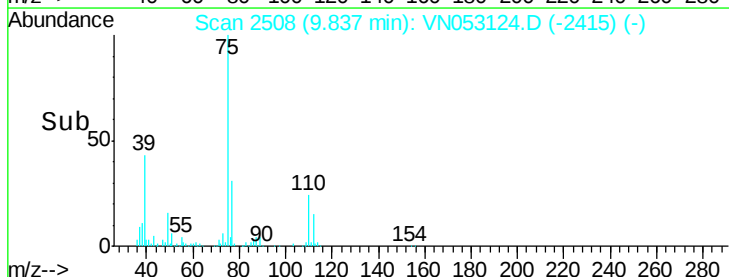
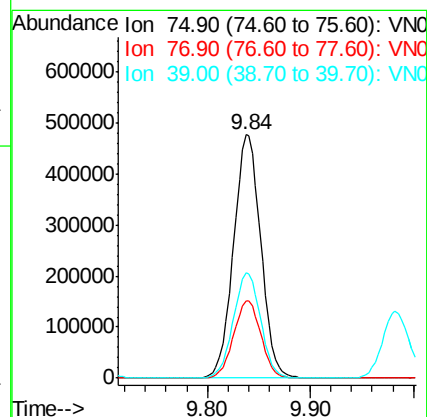
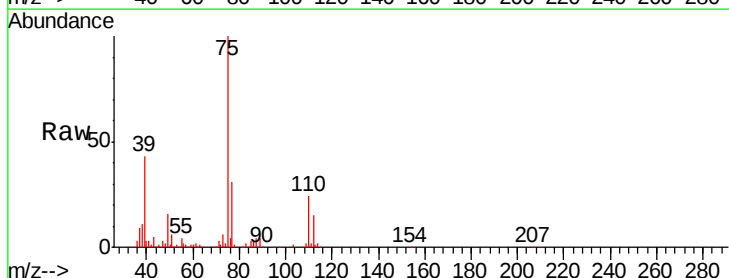
Tgt Ion: 75 Resp: 878287

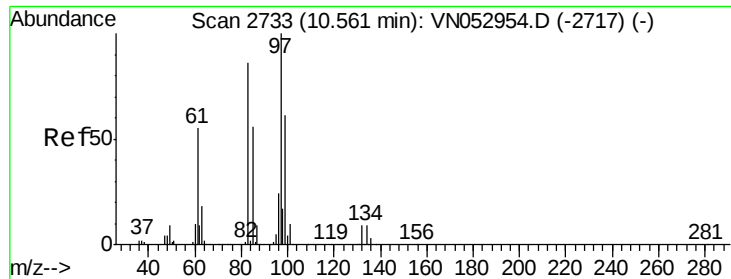
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 43.2 34.8 52.2





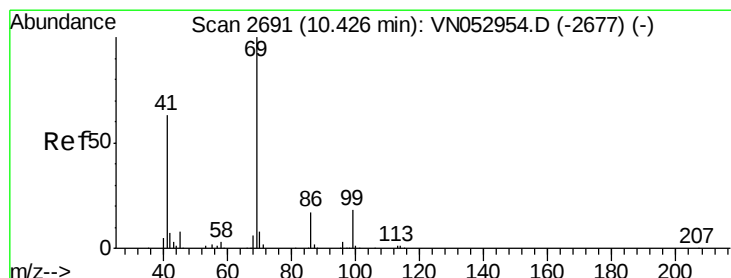
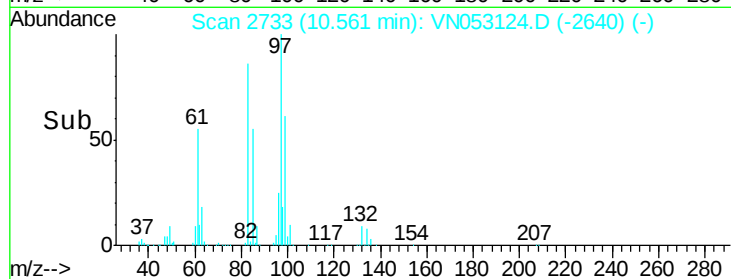
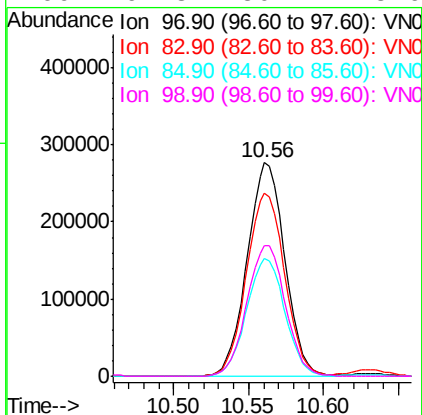
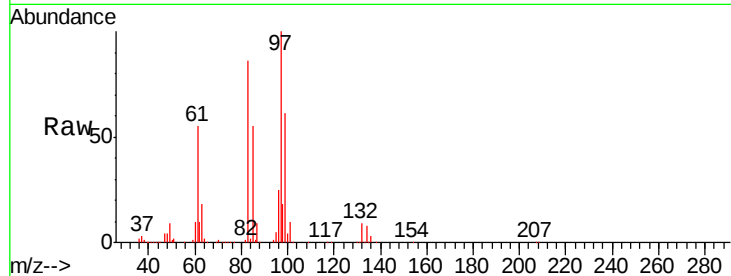
#55
 1,1,2-Trichloroethane
 Concen: 51.481 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.9	106.3
85	55.2	45.4	68.2
99	61.3	50.4	75.6

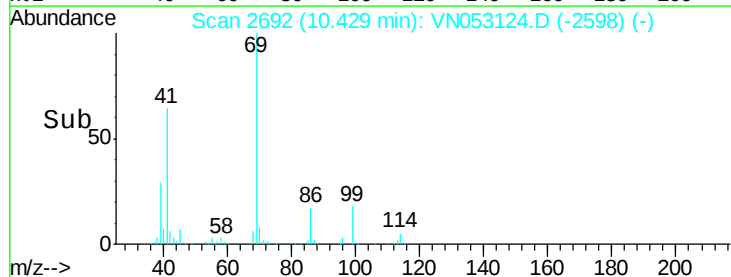
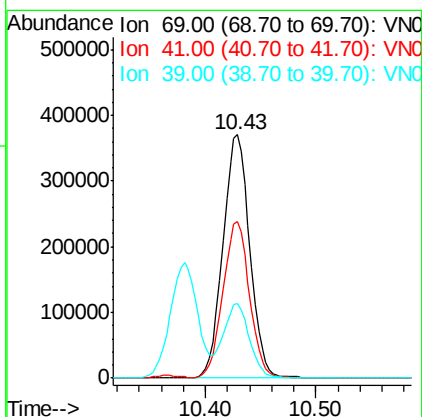
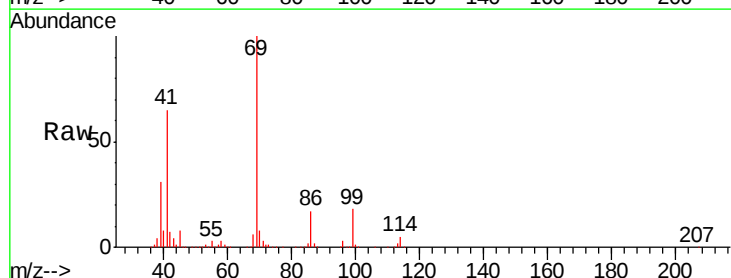
Manual Integrations
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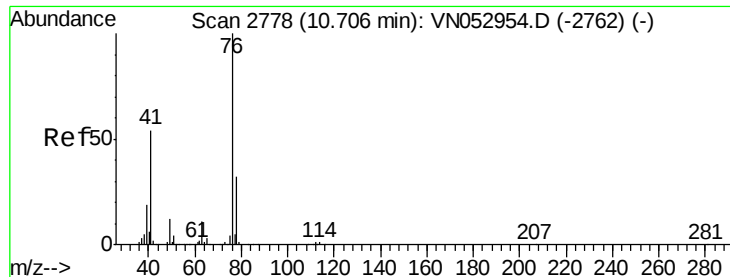
MMDadoda
 12/24/2018 9:32:37 AM



#56
 Ethyl methacrylate
 Concen: 50.050 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	29.5	24.6	37.0





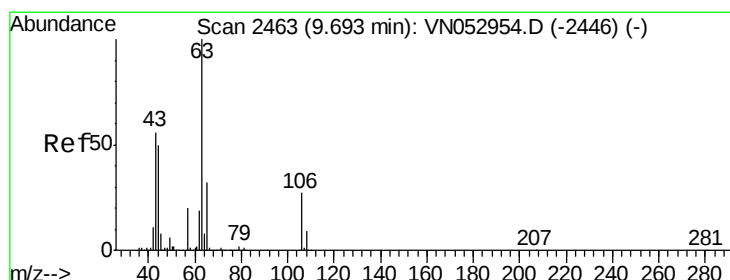
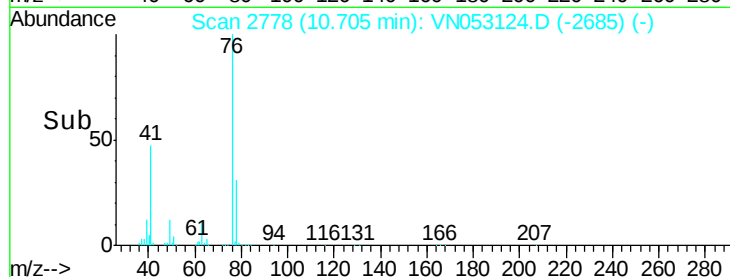
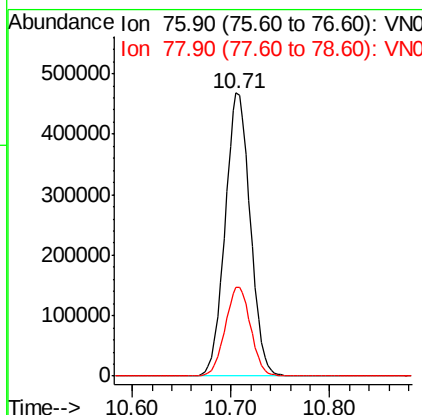
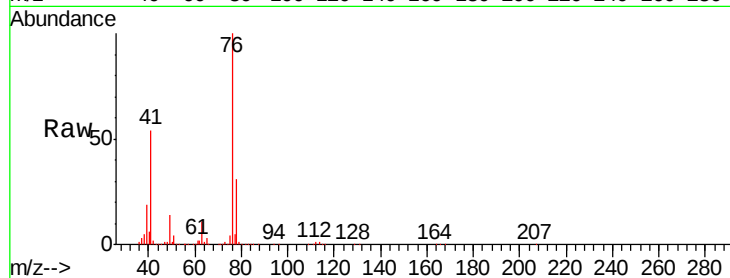
#57
 1,3-Dichloropropane
 Concen: 51.587 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 835195
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

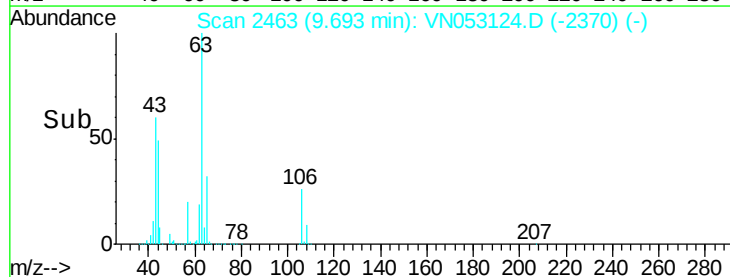
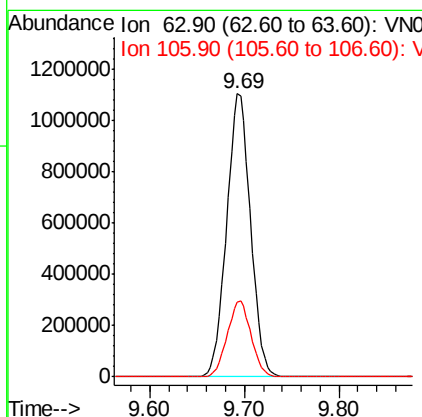
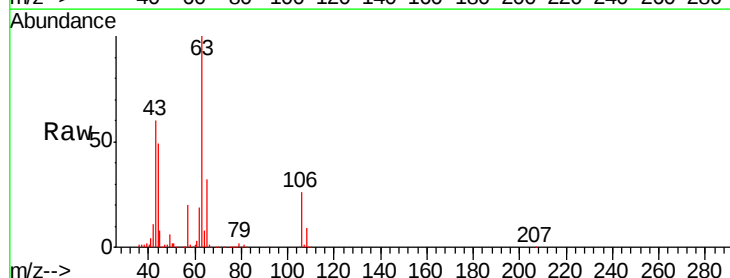
Manual Integrations
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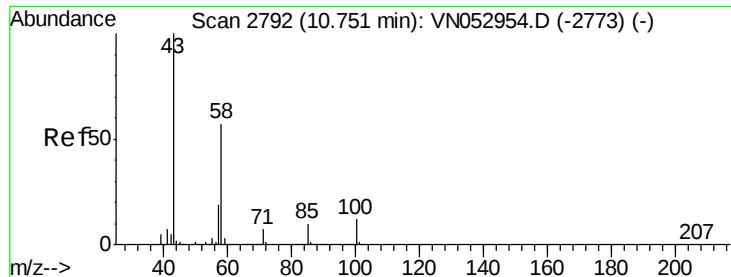
MMDadoda
 12/24/2018 9:32:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.804 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 63 Resp: 1933310
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.0 31.6





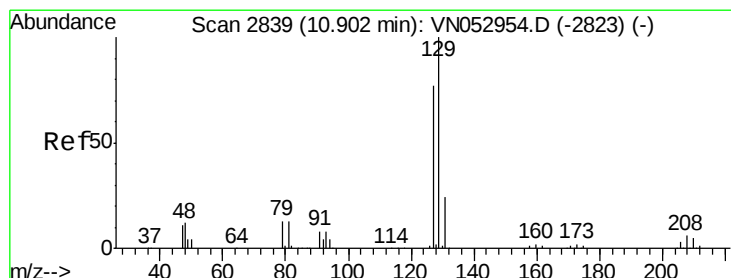
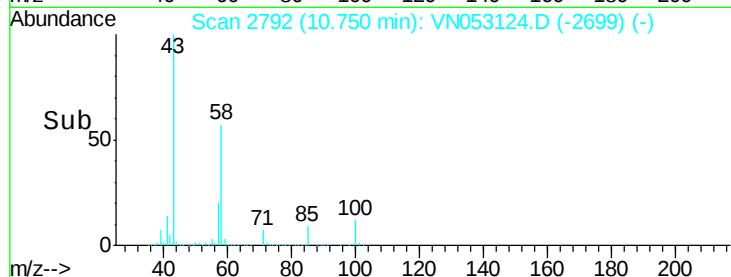
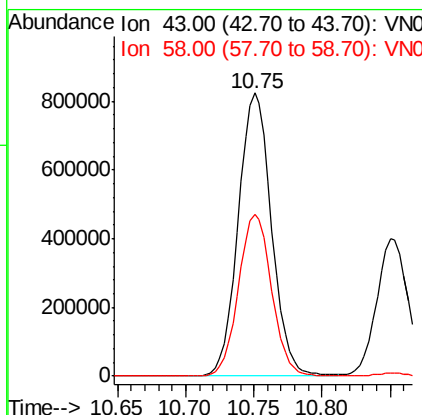
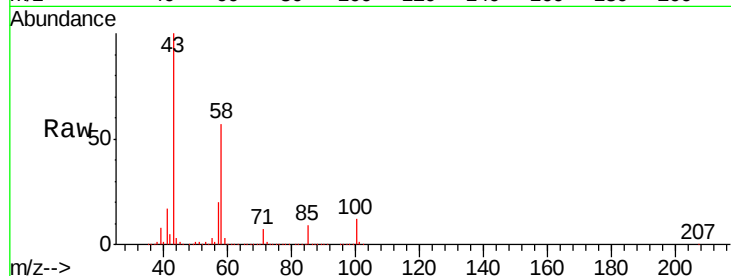
#59
2-Hexanone
Concen: 259.030 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1390750
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.3

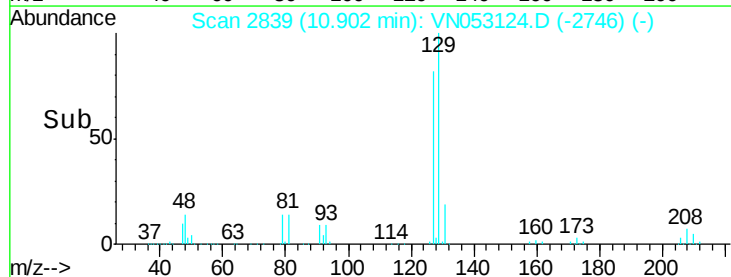
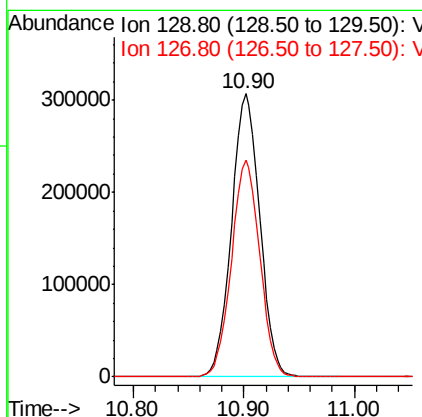
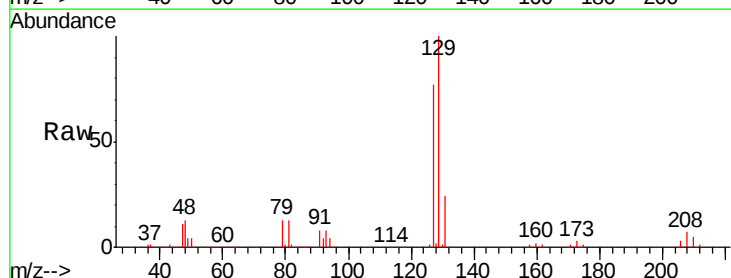
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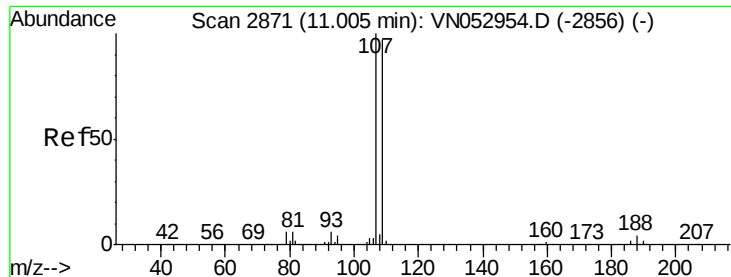
MMDadoda
12/24/2018 9:32:37 AM



#60
Dibromochloromethane
Concen: 50.592 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 129 Resp: 546752
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





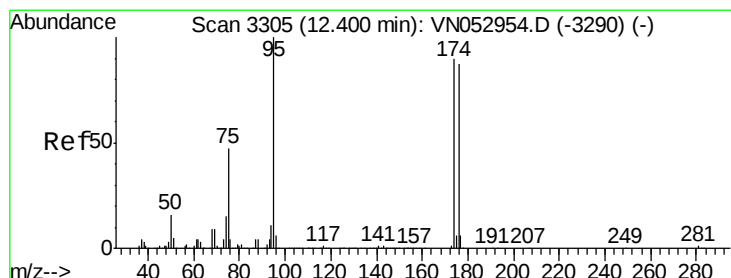
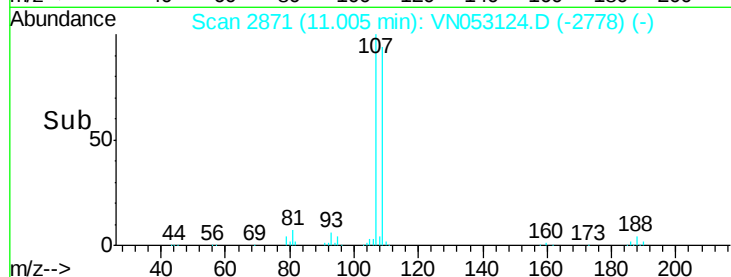
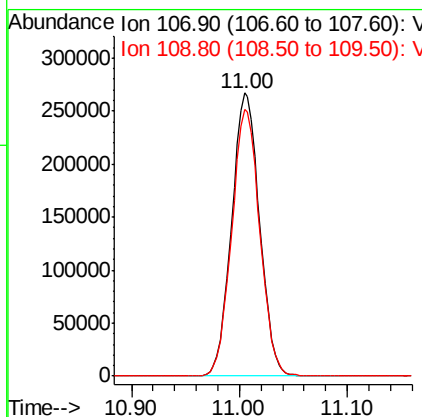
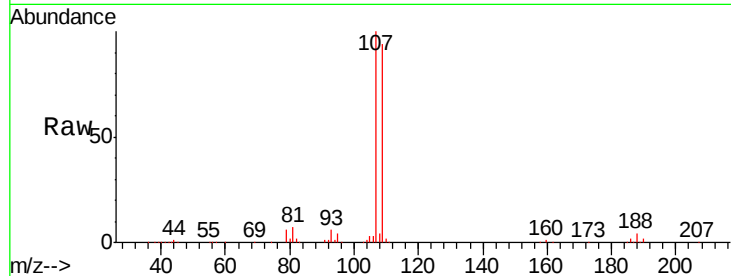
#61
 1,2-Dibromoethane
 Concen: 50.270 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 482017
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.0

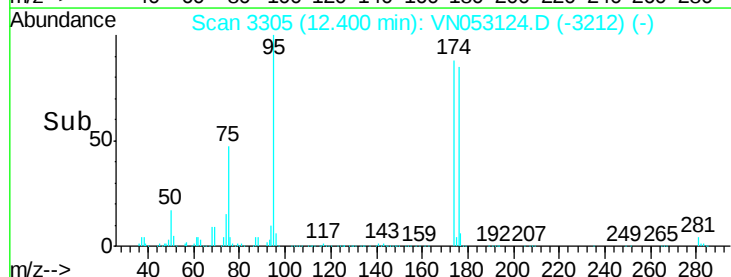
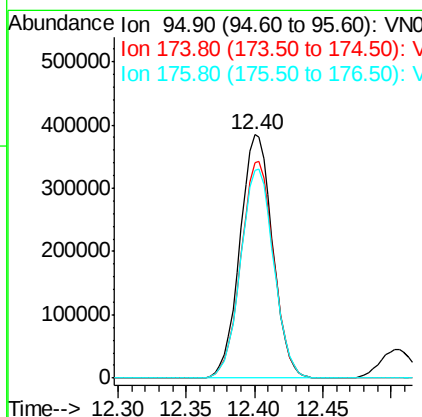
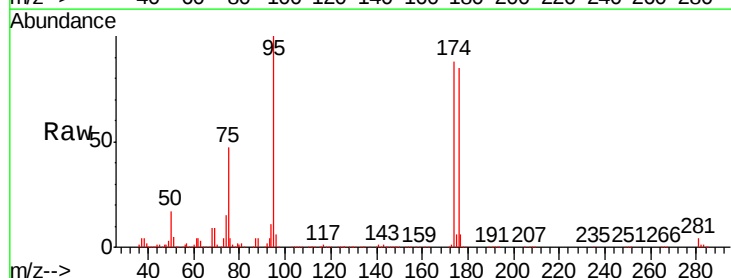
Manual Integrations
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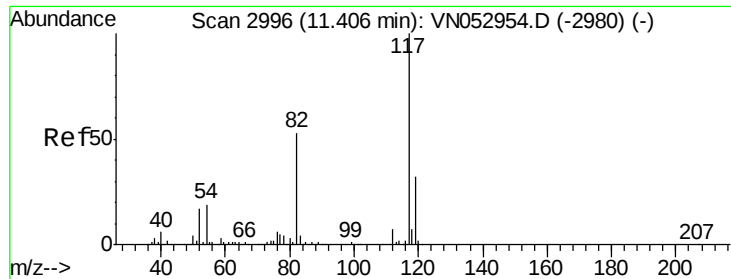
MMDadoda
 12/24/2018 9:32:37 AM



#62
 4-Bromofluorobenzene
 Concen: 50.270 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 95 Resp: 638344
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 178.8
 176 86.9 0.0 173.8





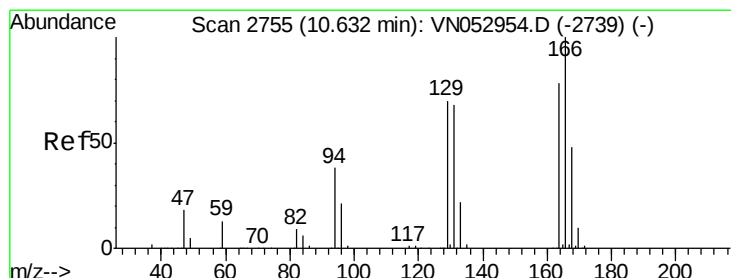
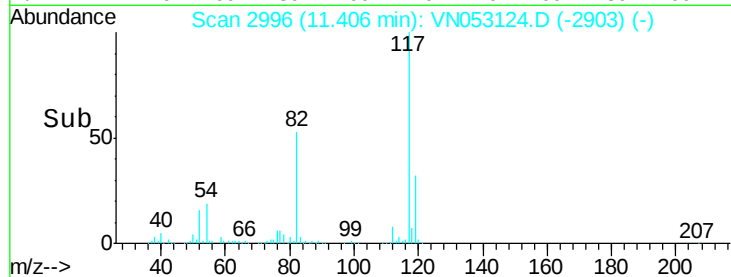
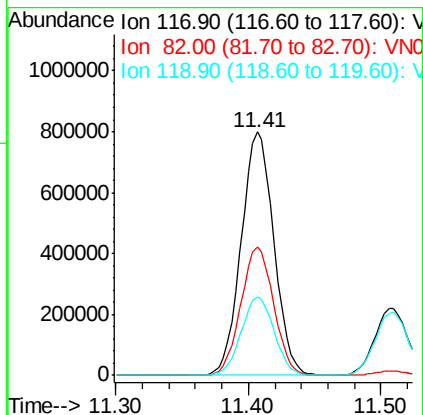
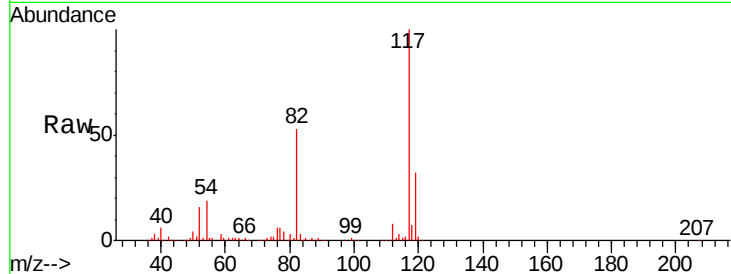
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1363791
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 32.0 25.5 38.3

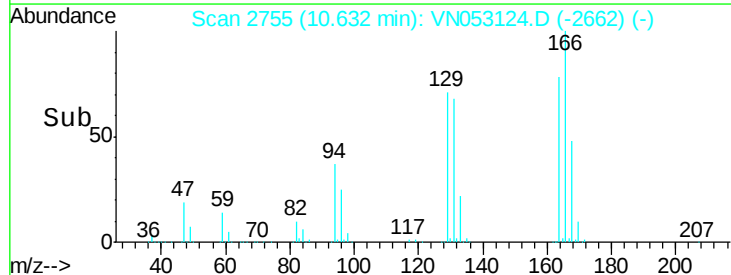
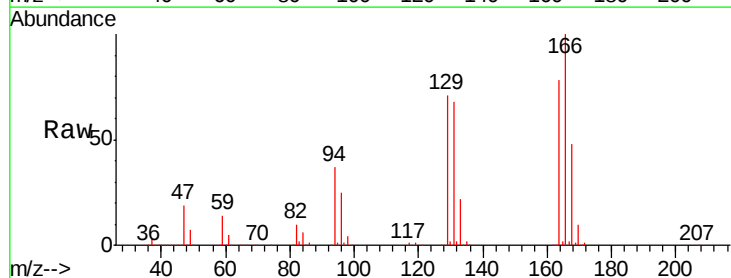
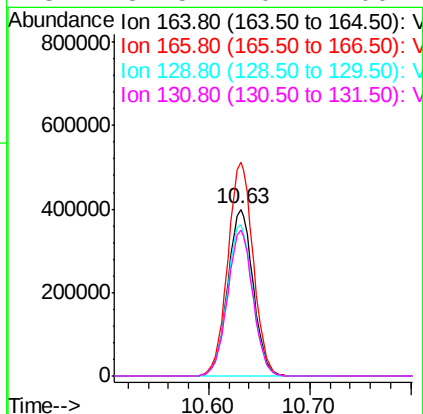
Manual Integrations
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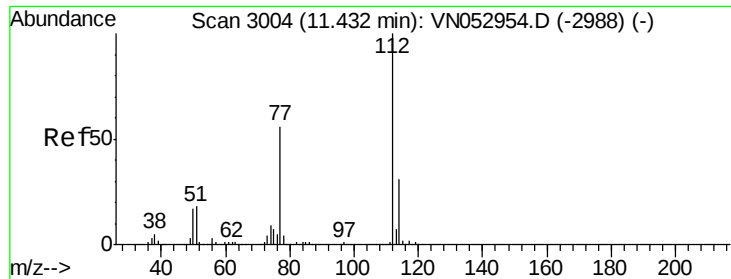
MMDadoda
12/24/2018 9:32:37 AM



#64
Tetrachloroethene
Concen: 47.385 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion:164 Resp: 700013
Ion Ratio Lower Upper
164 100
166 128.2 102.9 154.3
129 90.7 73.7 110.5
131 87.5 70.7 106.1





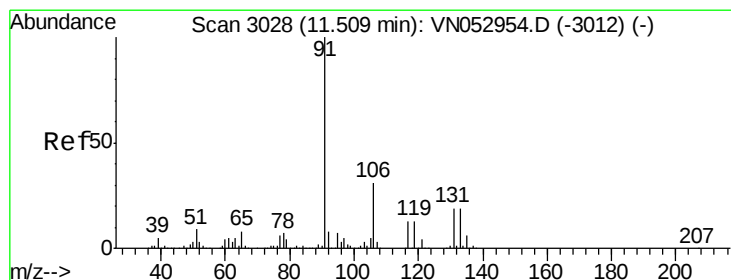
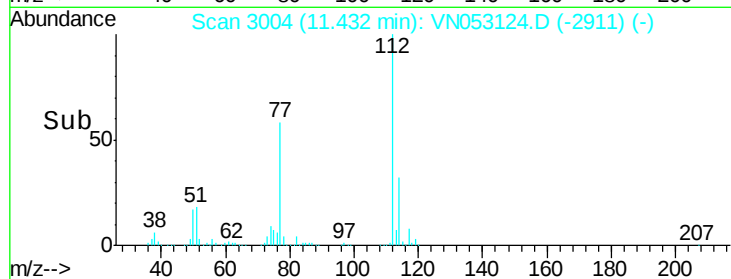
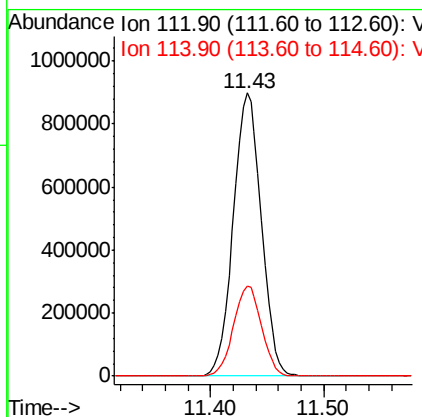
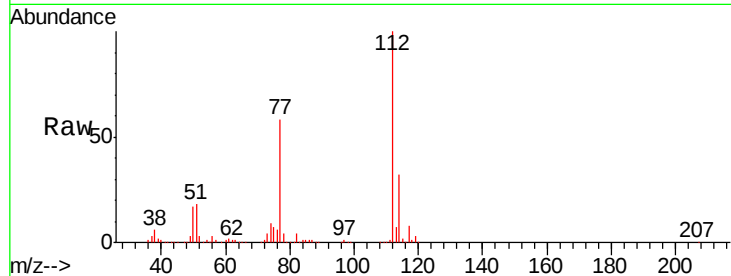
#65
Chlorobenzene
Concen: 51.145 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 1546171
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

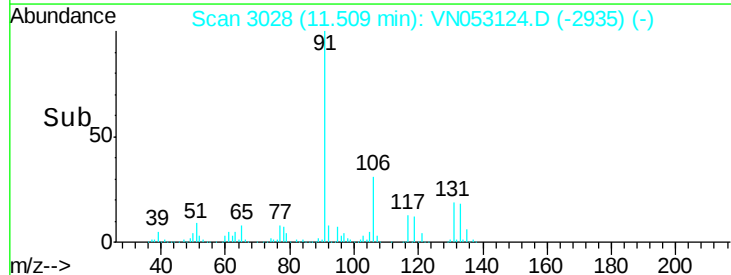
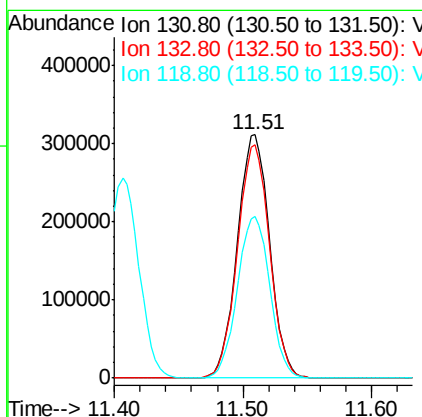
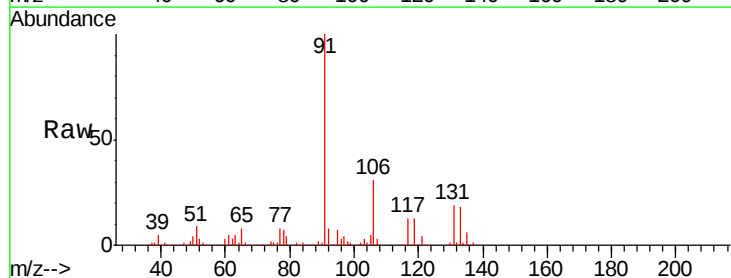
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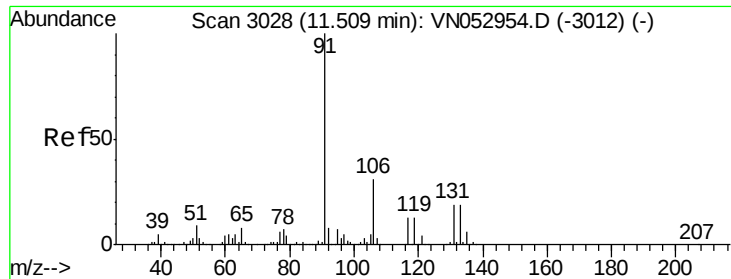
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.504 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion:131 Resp: 541459
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 66.9 33.3 99.8





#67

Ethyl Benzene

Concen: 52.228 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 2715342

Ion Ratio Lower Upper

91 100

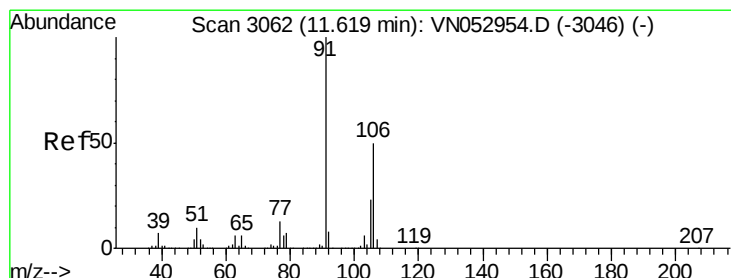
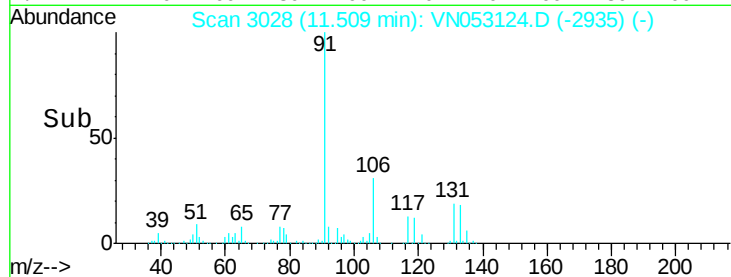
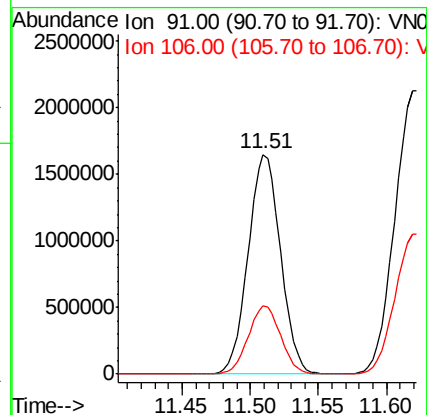
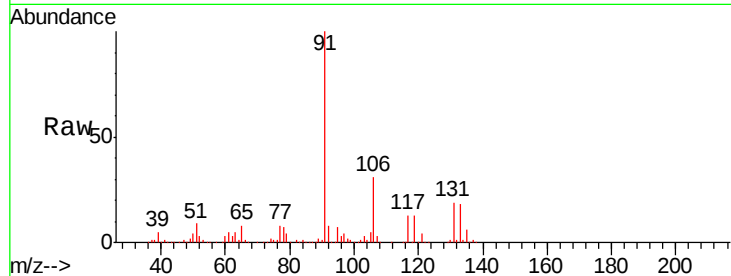
106 30.9 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.115 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053124.D

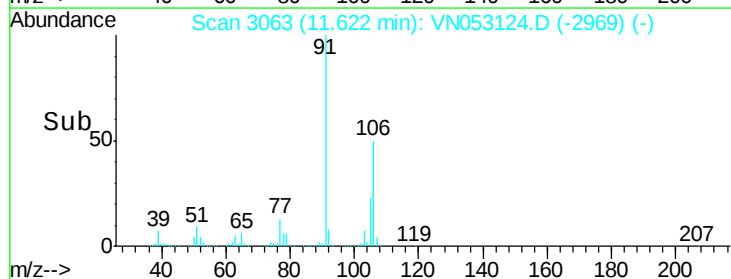
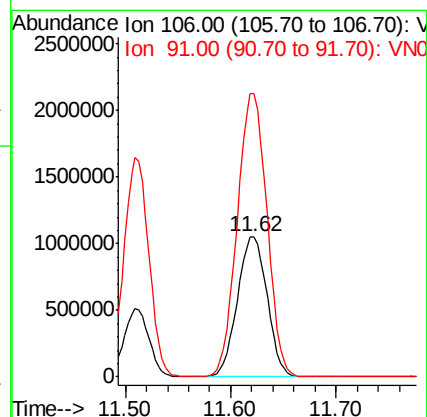
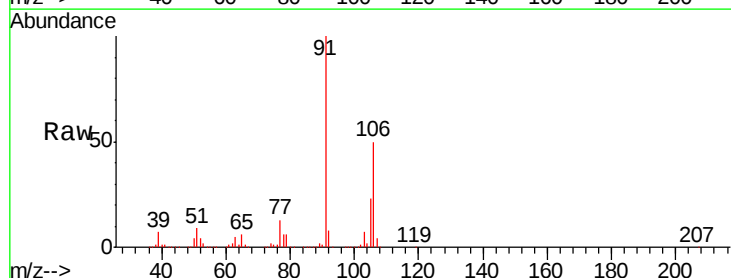
Acq: 22 Dec 2018 10:24

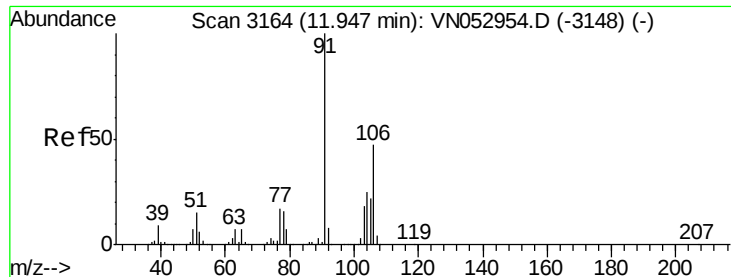
Tgt Ion: 106 Resp: 2057763

Ion Ratio Lower Upper

106 100

91 201.5 162.2 243.4





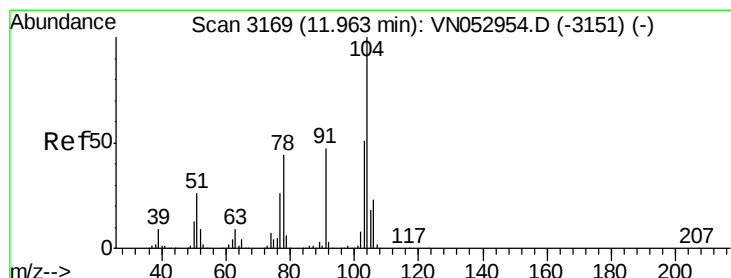
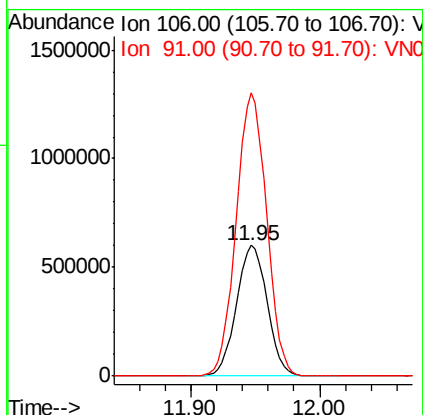
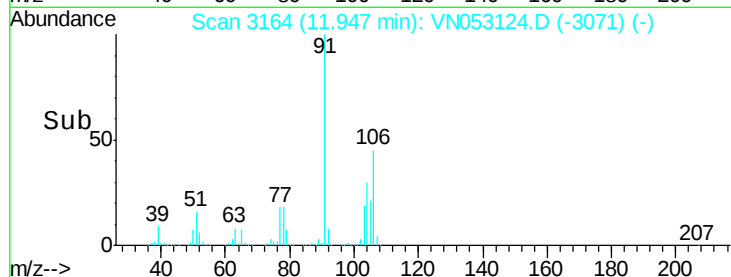
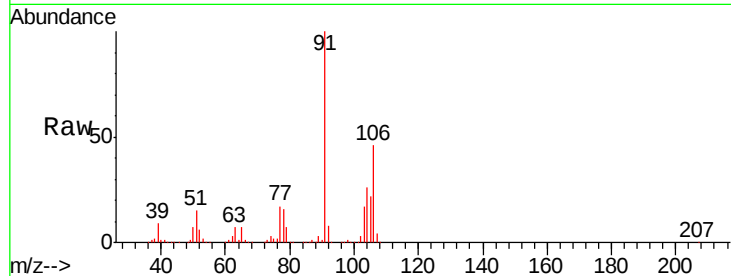
#69
o-Xylene
Concen: 52.418 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 994129
Ion Ratio Lower Upper
106 100
91 214.9 106.6 319.8

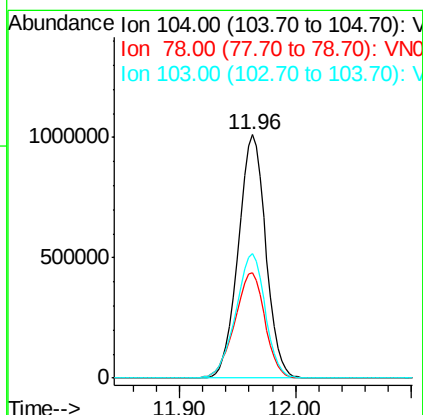
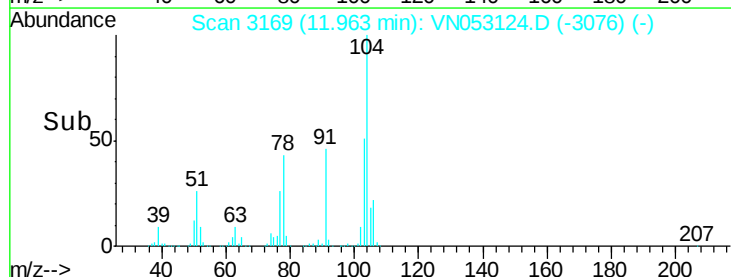
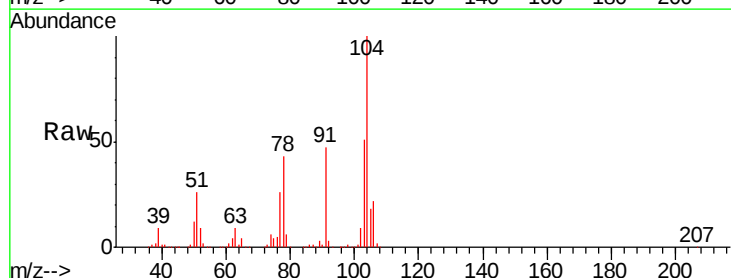
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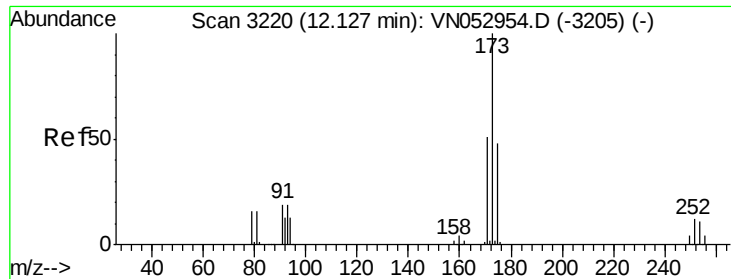
MMDadoda
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#70
Styrene
Concen: 53.573 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion:104 Resp: 1656761
Ion Ratio Lower Upper
104 100
78 47.6 38.9 58.3
103 55.0 44.3 66.5





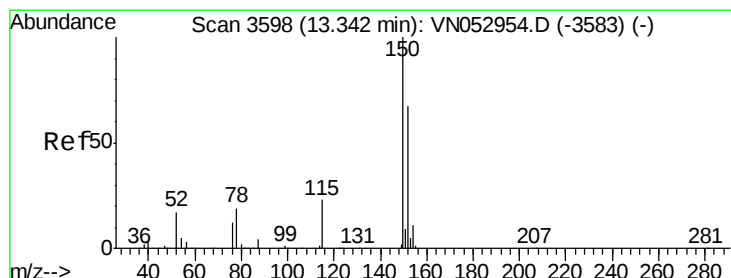
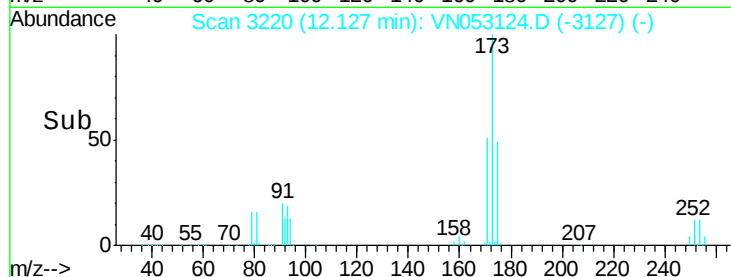
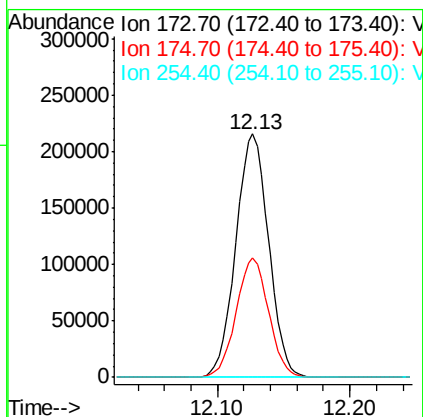
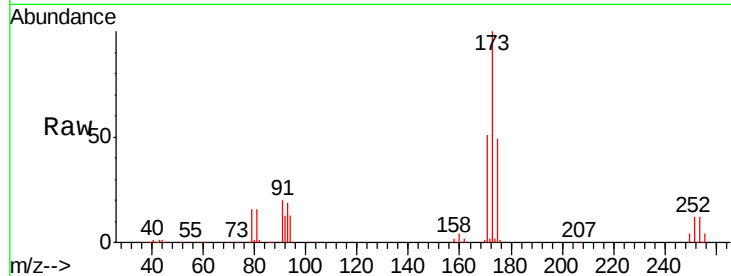
#71
Bromoform
Concen: 48.861 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

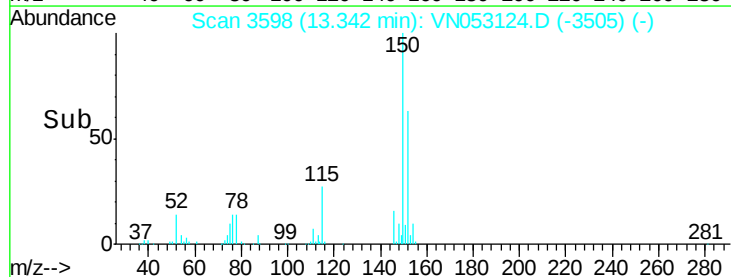
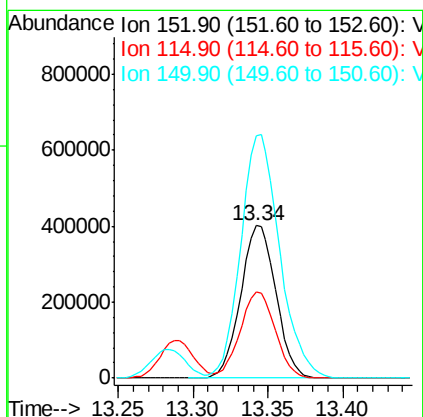
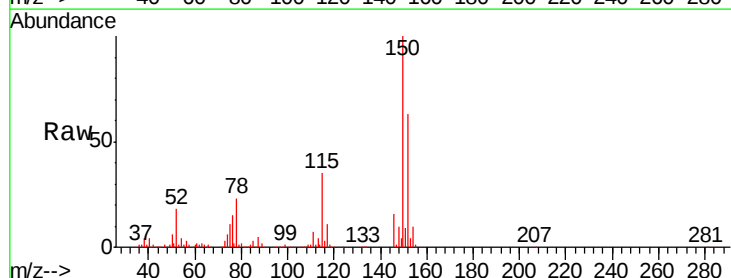
Manual Integrations
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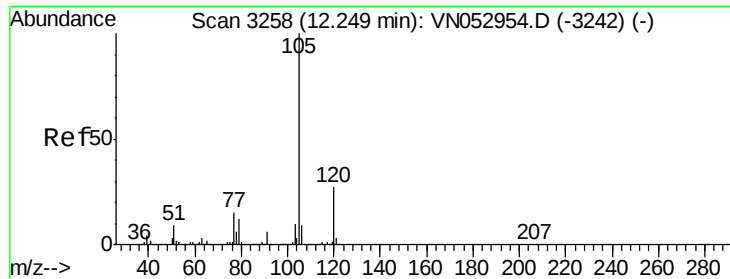
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.3	85.0
150	175.7	0.0	347.8





#73

Isopropylbenzene

Concen: 51.657 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 2665268

Ion Ratio Lower Upper

105 100

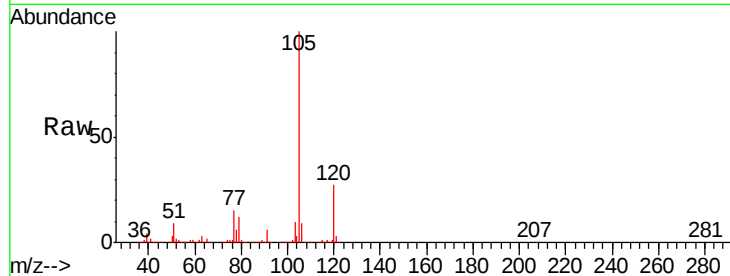
120 26.7 13.3 39.9

Manual Integrations

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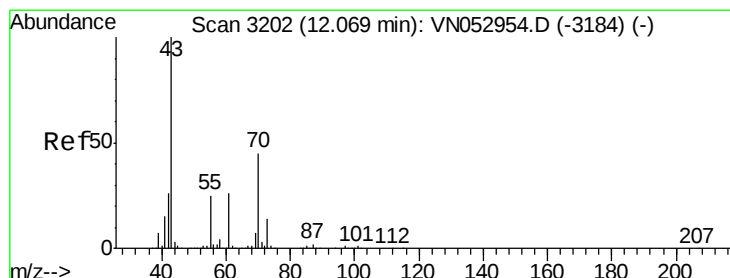
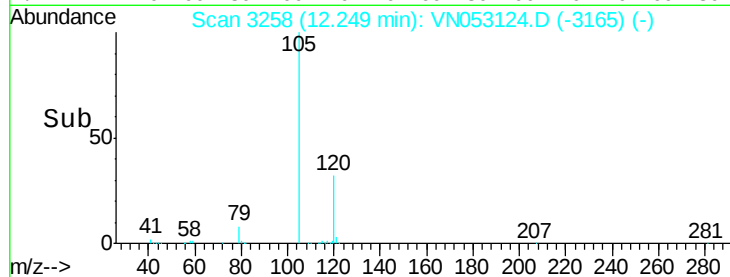
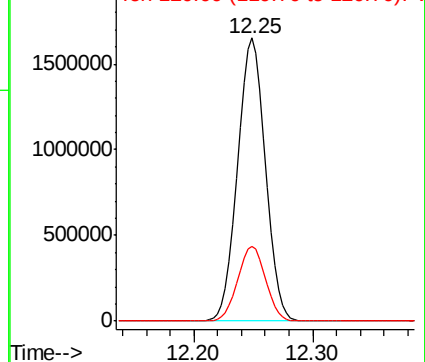
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.989 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Tgt Ion: 43 Resp: 687427

Ion Ratio Lower Upper

43 100

70 43.9 34.2 51.4

55 24.9 20.3 30.5

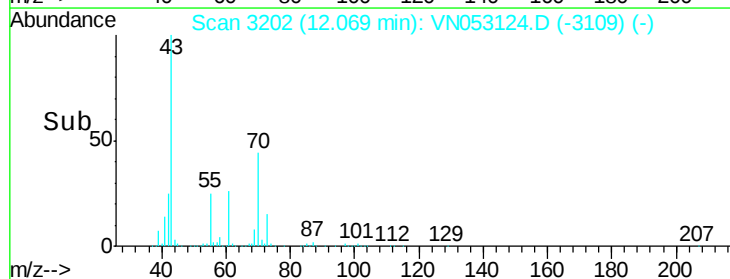
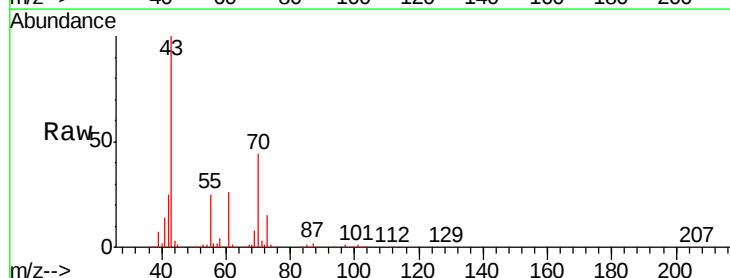
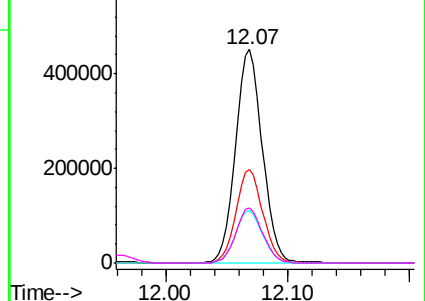
61 25.8 20.0 30.0

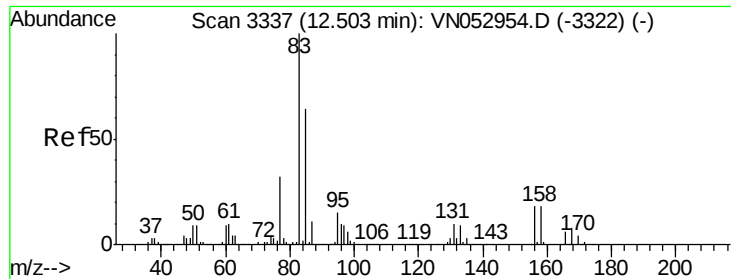
Abundance Ion 43.00 (42.70 to 43.70): V

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: 52.408 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 530484

Ion Ratio Lower Upper

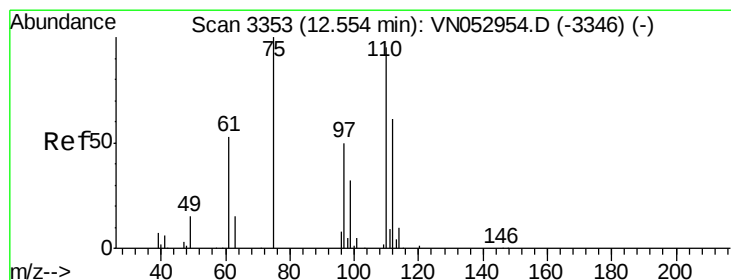
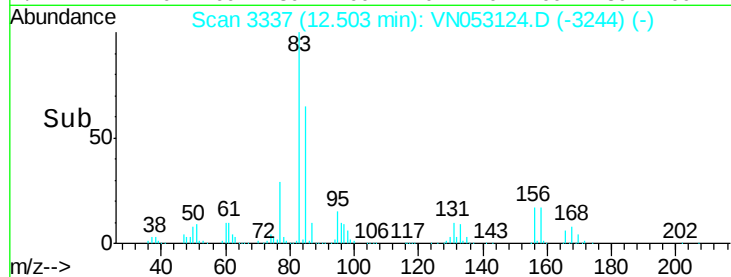
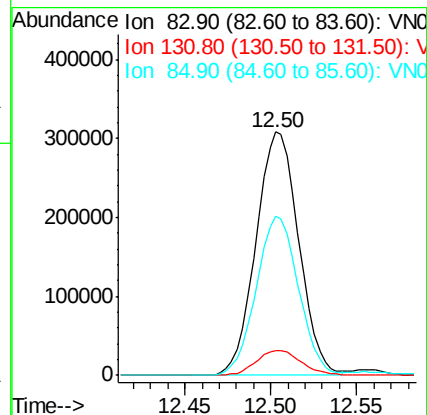
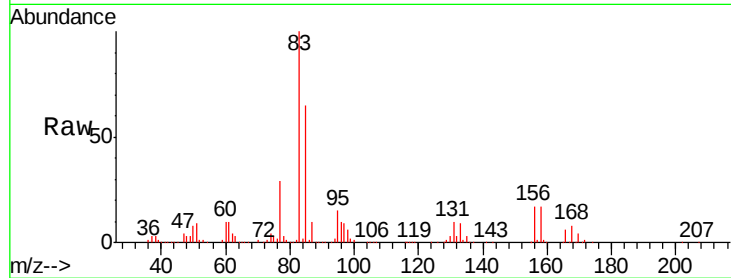
83 100

131 10.8 5.2 15.6

85 64.7 32.4 97.0

Manual Integrations
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12/24/2018 9:32:37 AM



#76

1,2,3-Trichloropropane

Concen: 45.751 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053124.D

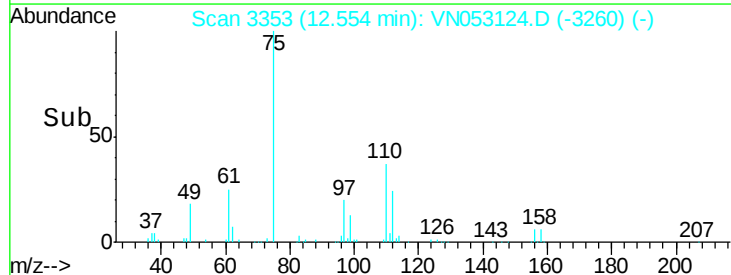
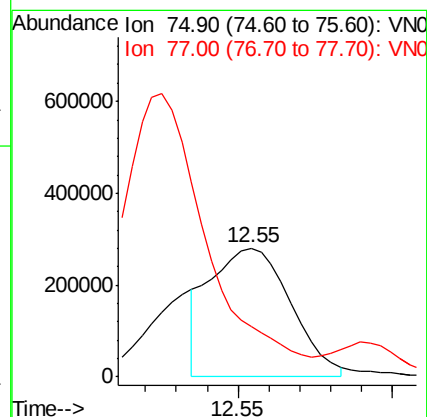
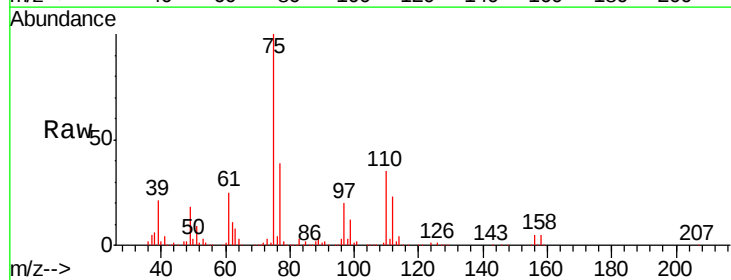
Acq: 22 Dec 2018 10:24

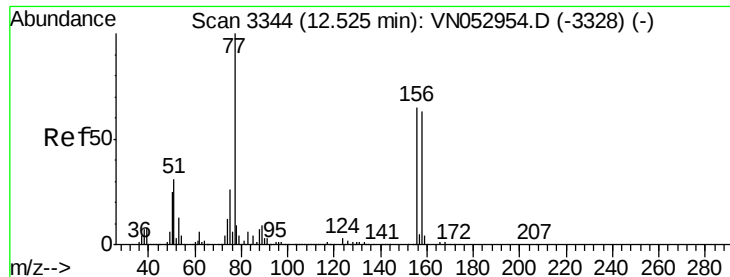
Tgt Ion: 75 Resp: 507885

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.519 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

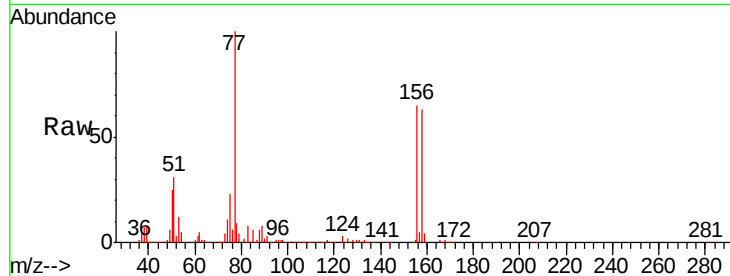
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	677552
Ion Ratio	Lower	Upper	
156	100		
77	177.1	91.3	273.8
158	97.7	49.0	147.2

Manual Integrations
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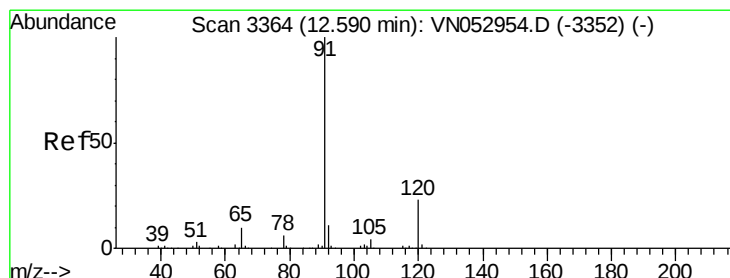
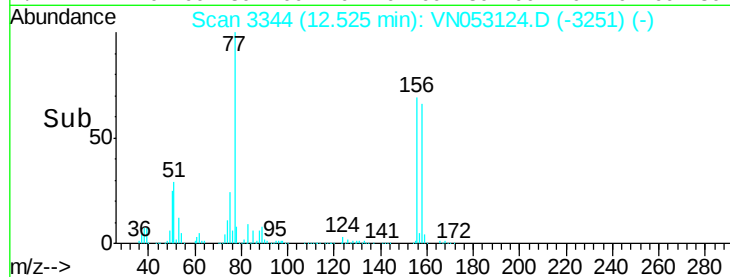
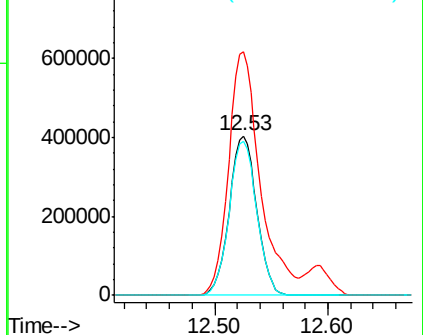
MMDadoda
12/24/2018 9:32:37 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.102 ug/l

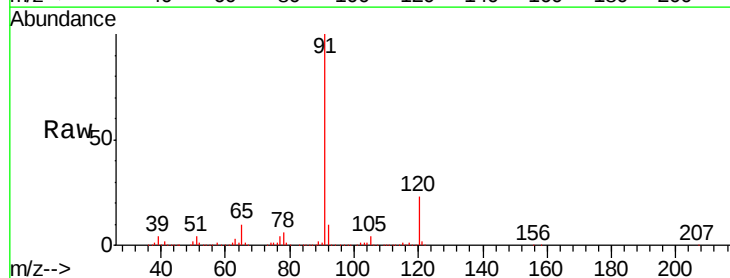
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053124.D

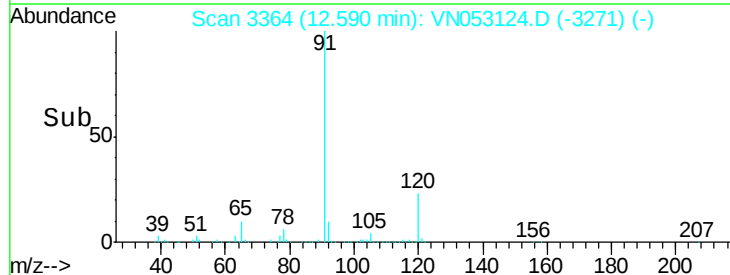
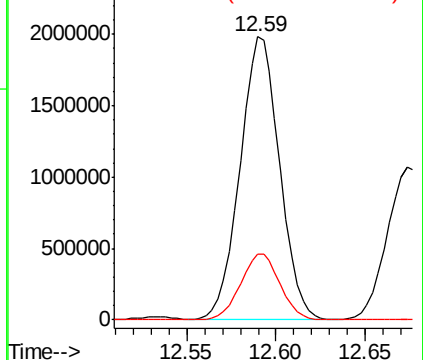
Acq: 22 Dec 2018 10:24

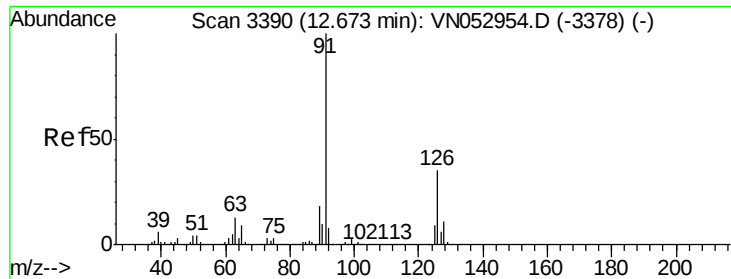
Tgt Ion:	91	Resp:	3061637
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.156 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1790451

Ion Ratio Lower Upper

91 100

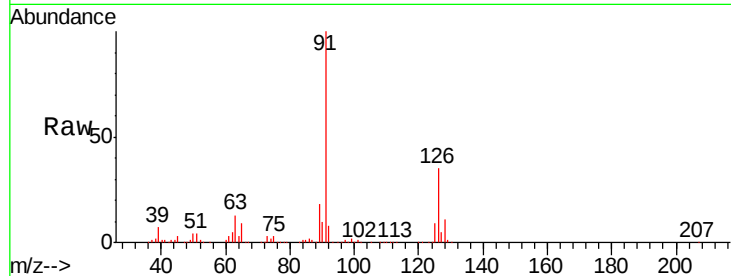
126 35.2 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053124.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN053124.D (-3297) (-)

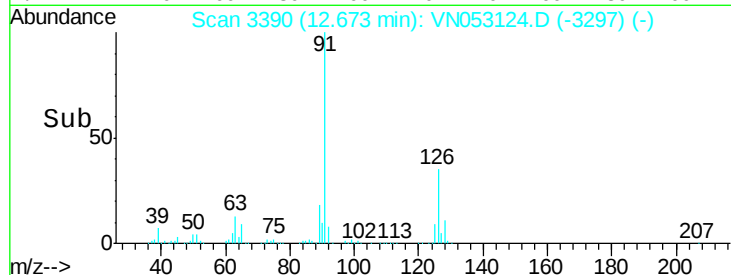
1500000

1000000

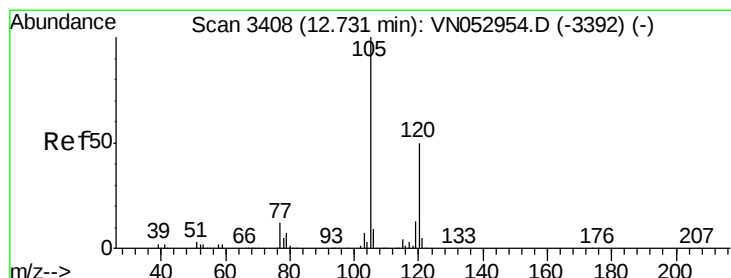
500000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.190 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053124.D

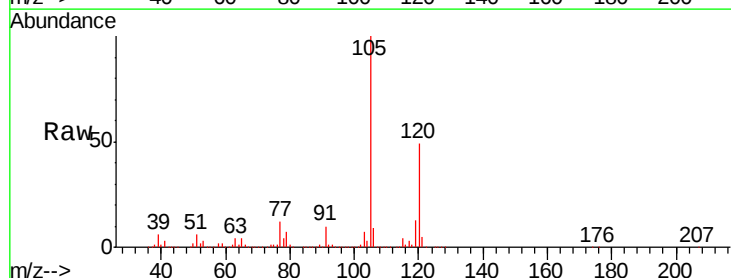
Acq: 22 Dec 2018 10:24

Tgt Ion: 105 Resp: 2152792

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053124.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053124.D (-3315) (-)

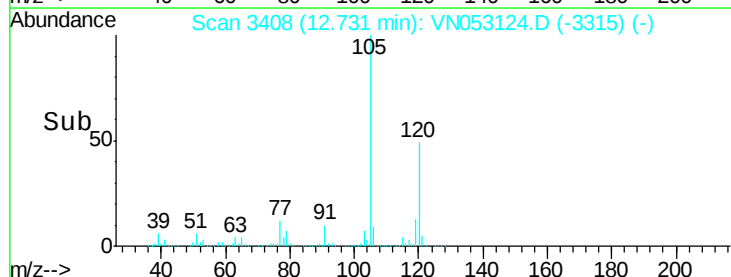
1500000

1000000

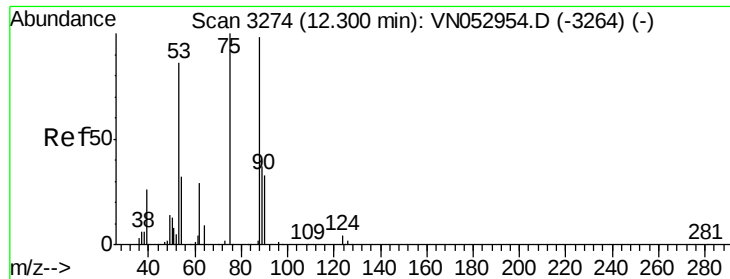
500000

0

12.70 12.80



Time-->



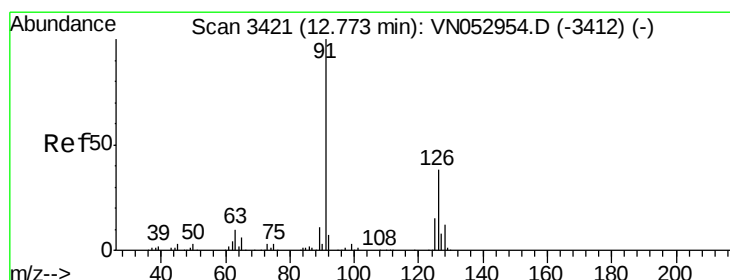
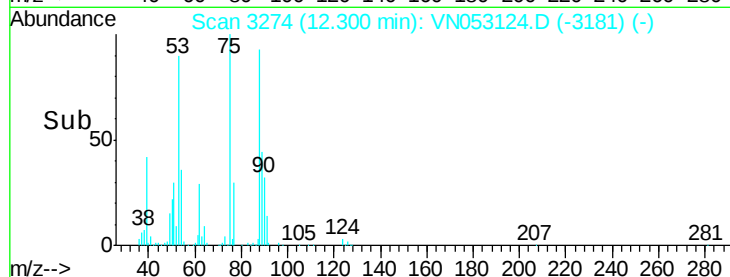
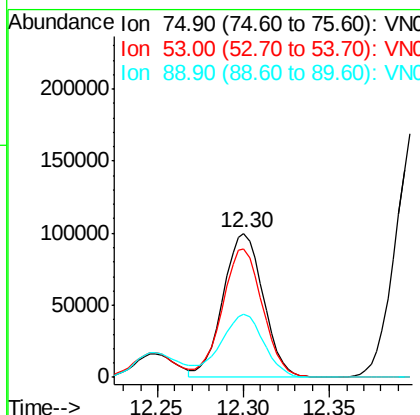
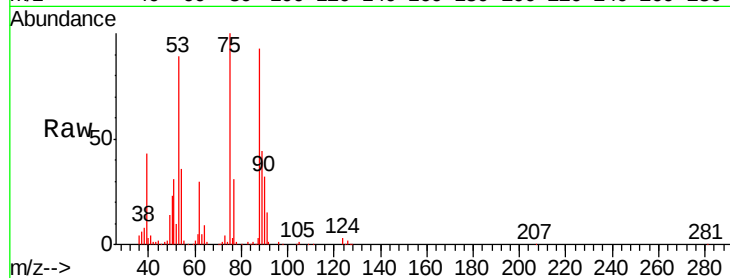
#81
trans-1,4-Dichloro-2-butene
Concen: 47.322 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 162986
Ion Ratio Lower Upper
75 100
53 88.6 74.7 112.1
89 46.7 36.1 54.1

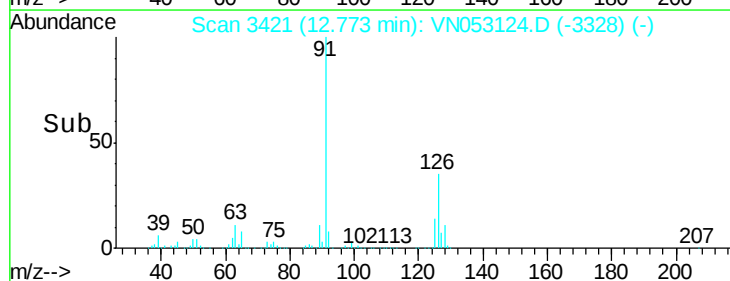
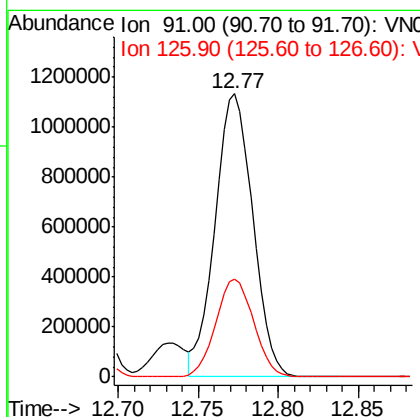
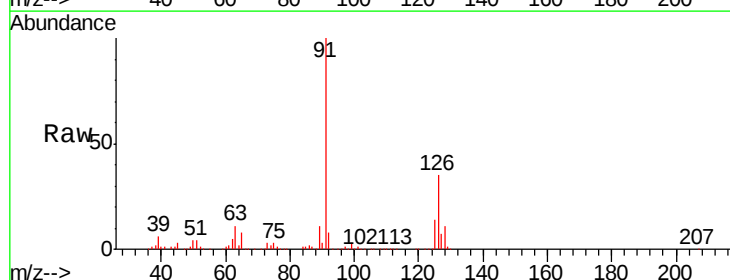
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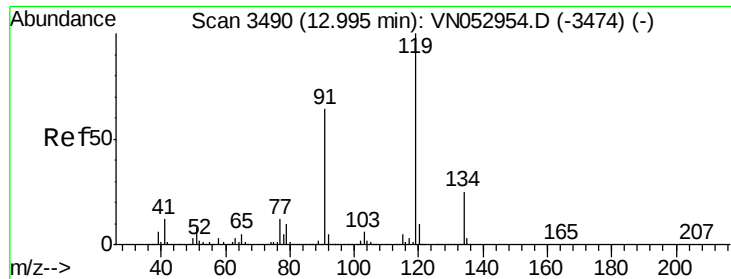
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#82
4-Chlorotoluene
Concen: 51.323 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 91 Resp: 1829944
Ion Ratio Lower Upper
91 100
126 34.6 17.3 51.7





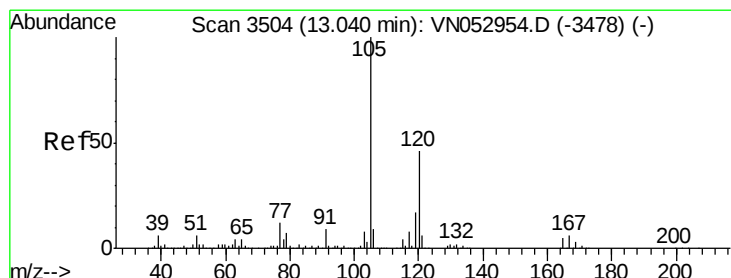
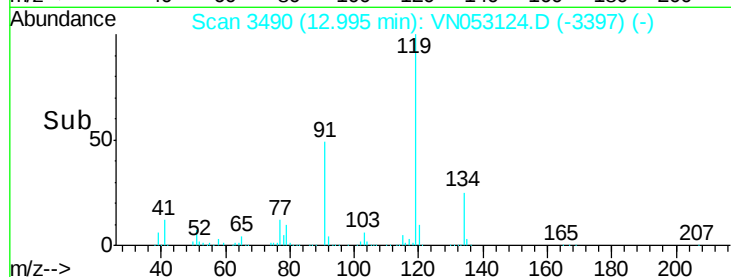
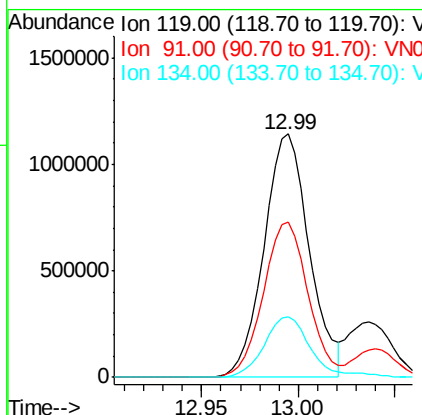
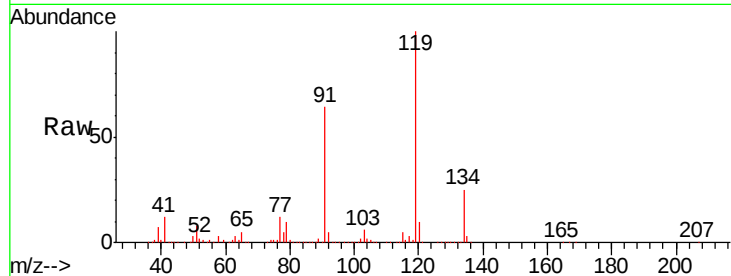
#83
 tert-Butylbenzene
 Concen: 50.248 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1868926
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.9 95.5
 134 25.8 12.8 38.4

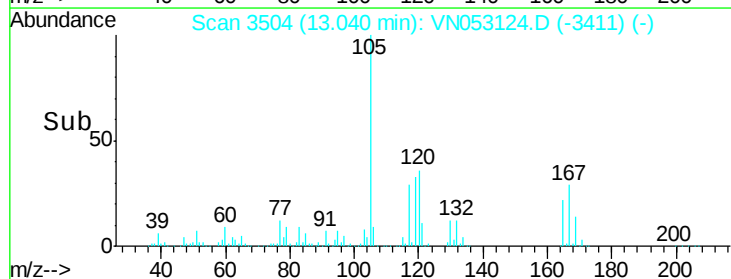
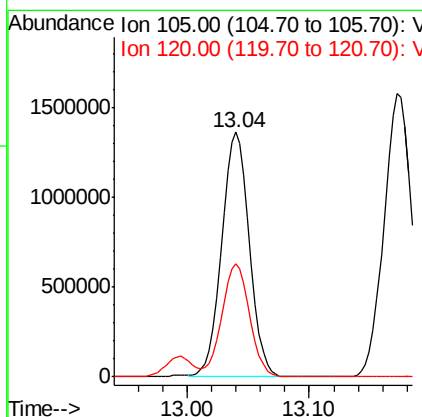
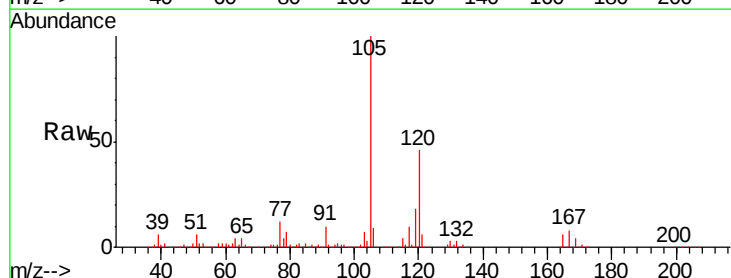
Manual Integrations
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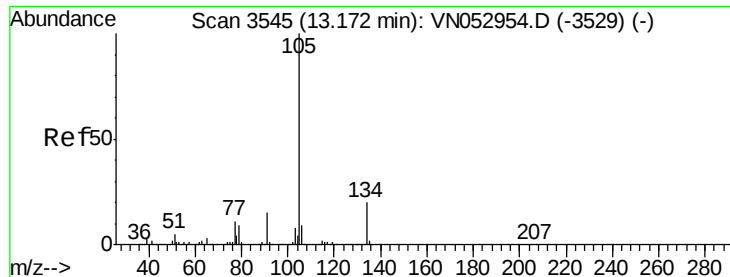
MMDadoda
 12/24/2018 9:32:37 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.301 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion:105 Resp: 2168844
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 50.329 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 2531968

Ion Ratio Lower Upper

105 100

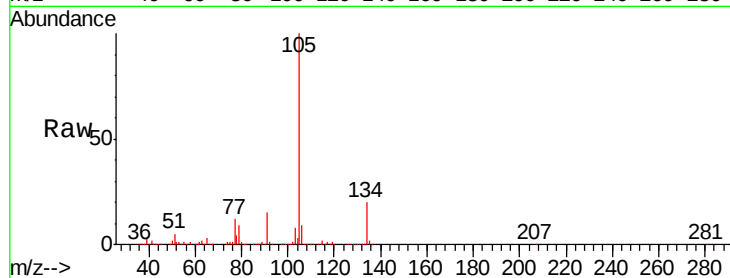
134 20.3 10.1 30.3

Manual Integrations

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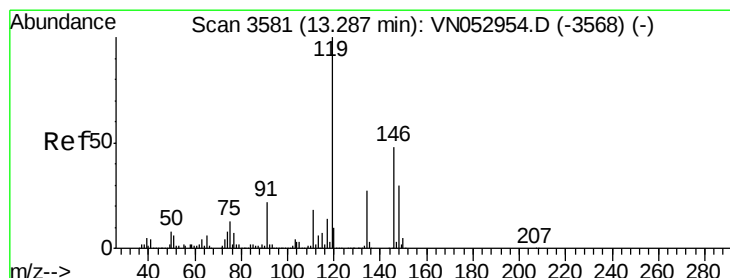
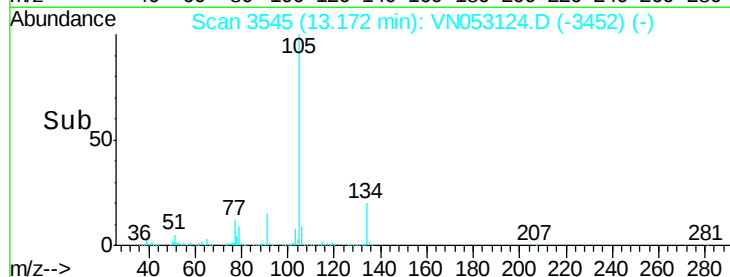
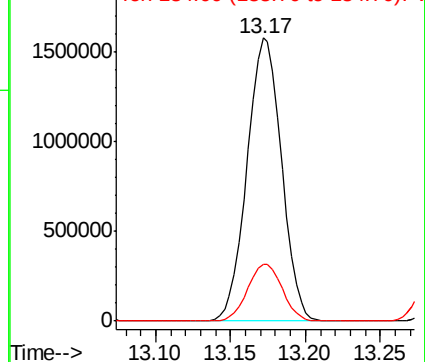
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.920 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

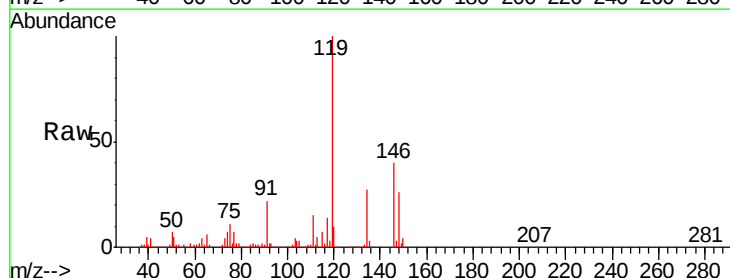
Tgt Ion:119 Resp: 2213516

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

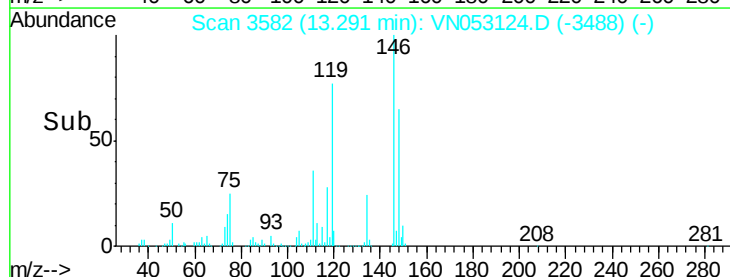
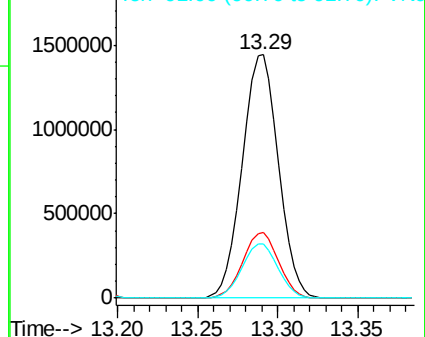
91 22.2 11.1 33.3

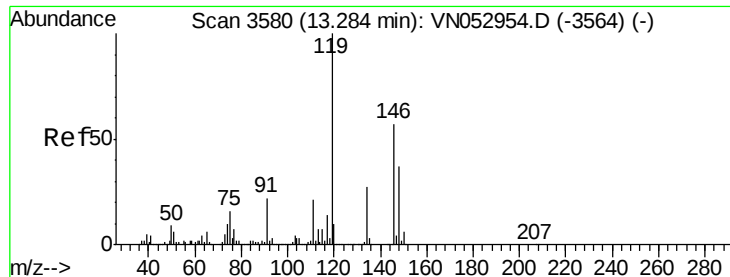


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





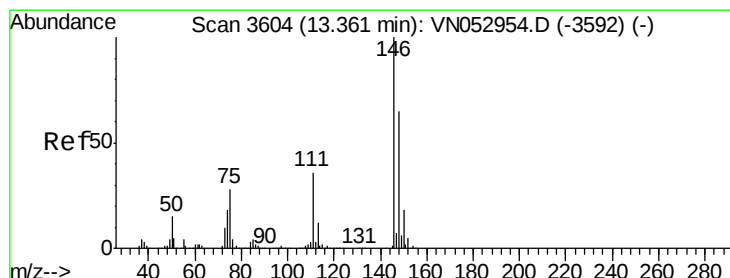
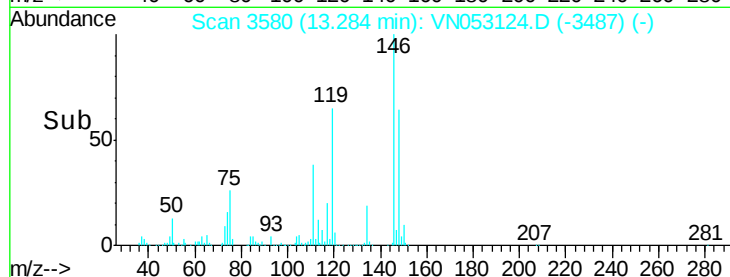
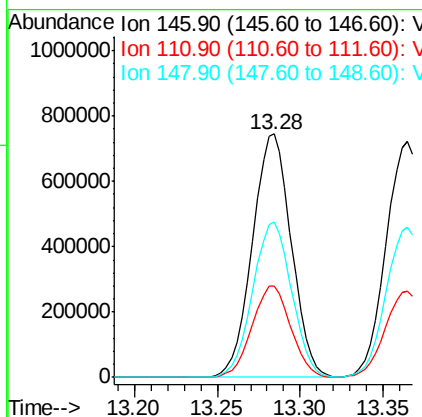
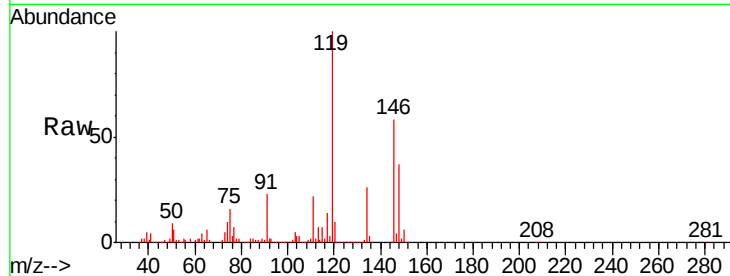
#87
 1,3-Dichlorobenzene
 Concen: 51.195 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 1215248
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.1
 148 63.9 32.0 96.0

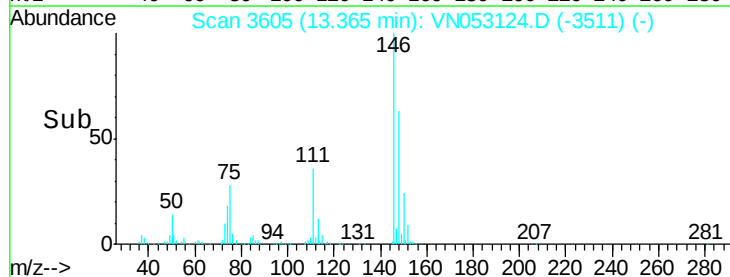
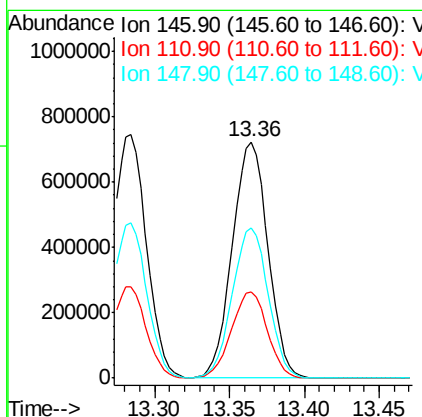
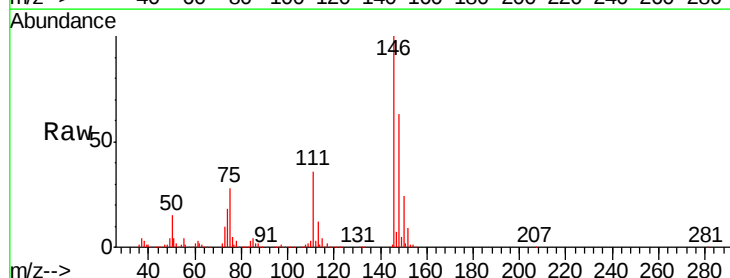
Manual Integrations
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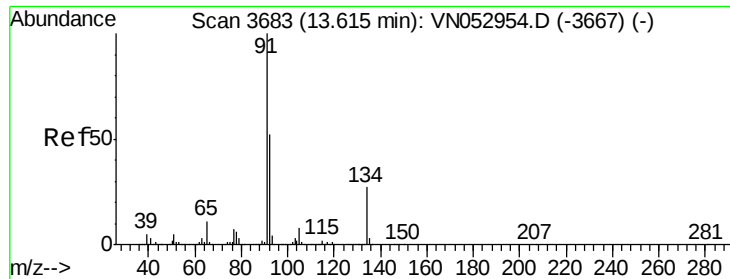
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#88
 1,4-Dichlorobenzene
 Concen: 49.838 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion:146 Resp: 1198050
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 64.0 32.1 96.5





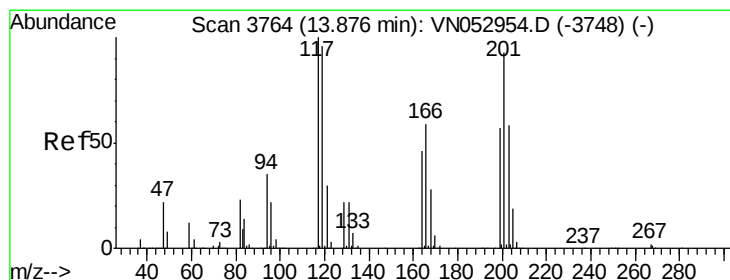
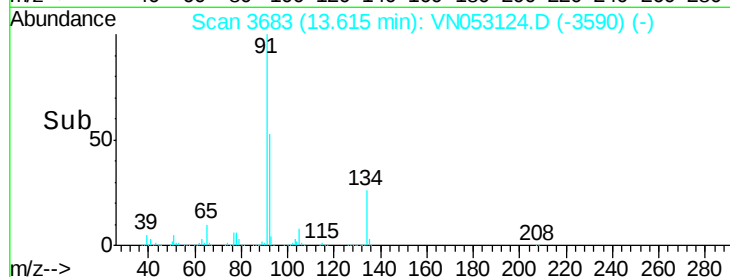
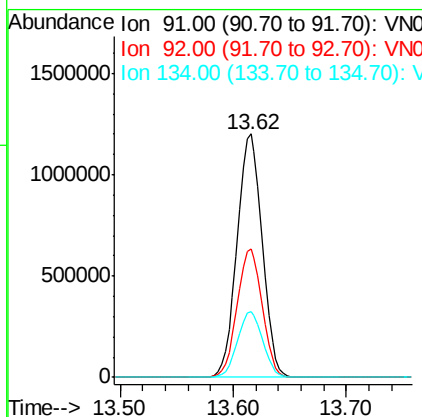
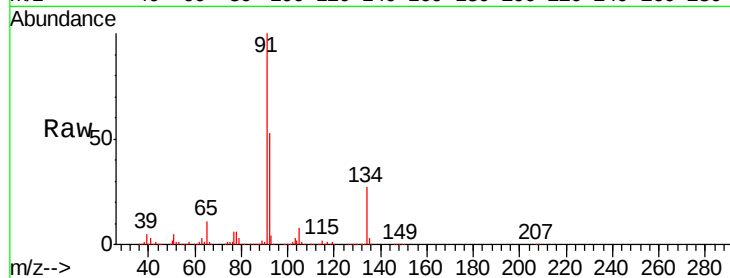
#89
n-Butylbenzene
Concen: 49.742 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1860244
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.9
134 26.9 13.3 39.8

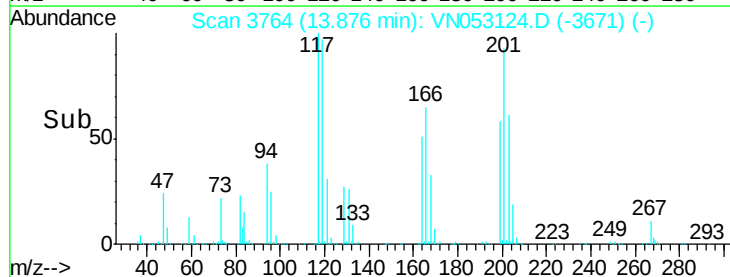
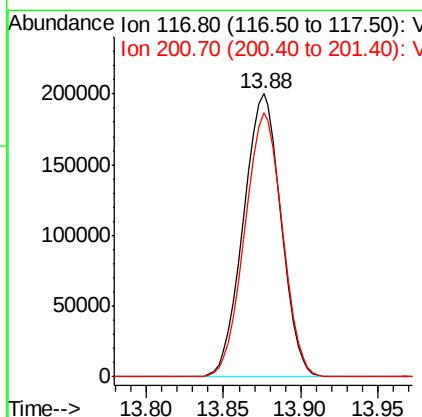
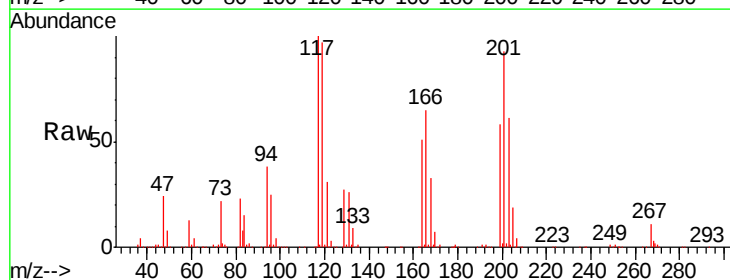
Manual Integrations
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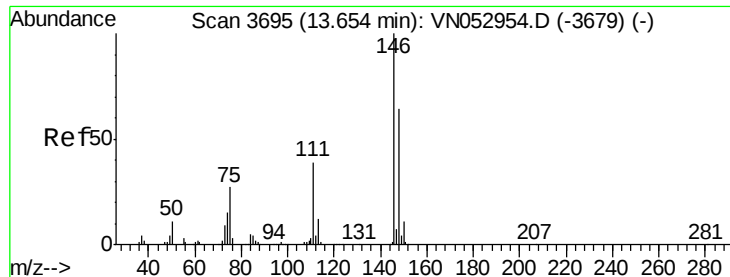
MMDadoda
12/24/2018 9:32:37 AM



#90
Hexachloroethane
Concen: 50.821 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 117 Resp: 339025
Ion Ratio Lower Upper
117 100
201 93.2 45.7 137.1





#91

1,2-Dichlorobenzene

Concen: 50.888 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 1136872

Ion Ratio Lower Upper

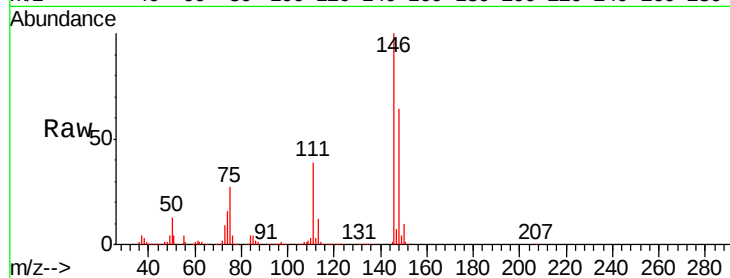
146 100

111 39.2 19.7 59.0

148 63.8 32.0 96.0

Manual Integrations
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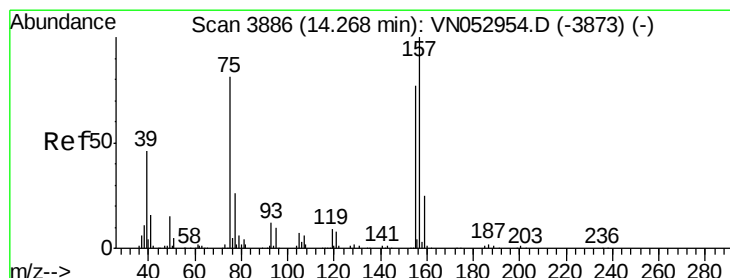
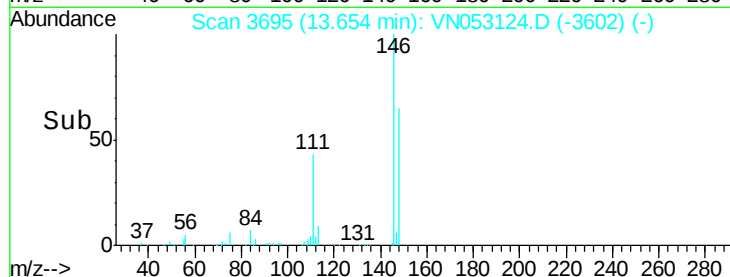
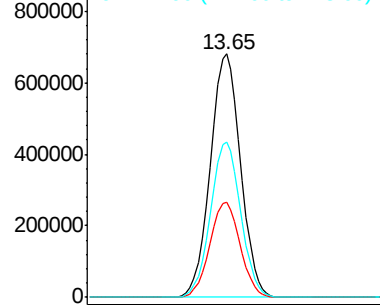
MMDadoda
12/24/2018 9:32:37 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.949 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

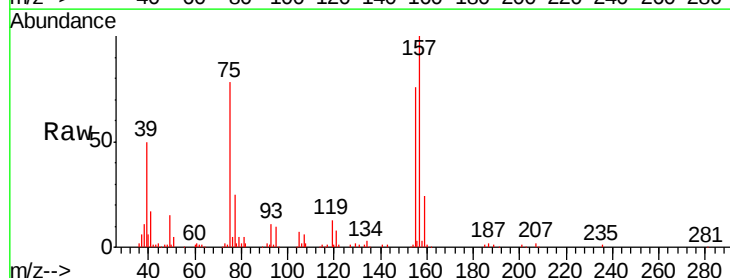
Tgt Ion: 75 Resp: 78670

Ion Ratio Lower Upper

75 100

155 94.8 48.2 144.6

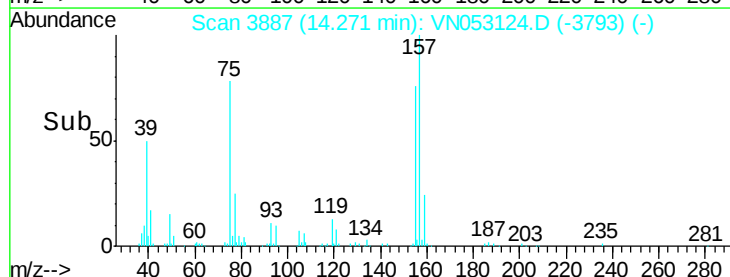
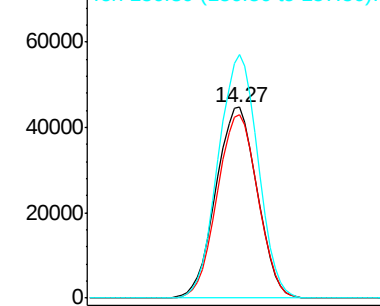
157 123.5 61.2 183.5

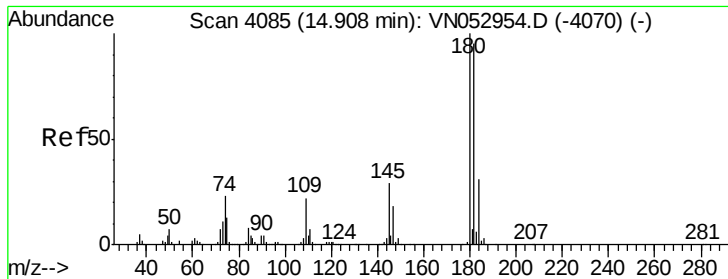


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





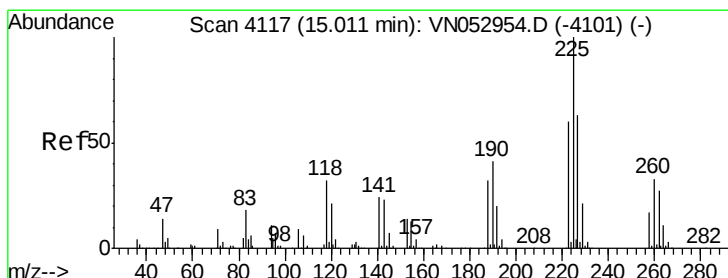
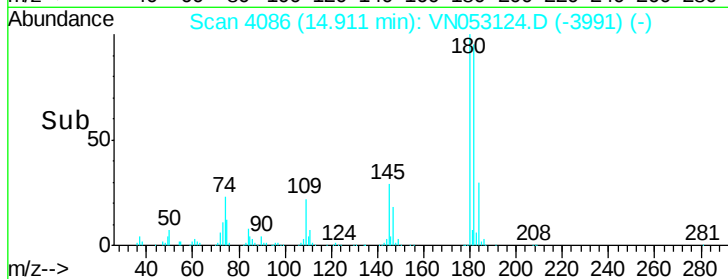
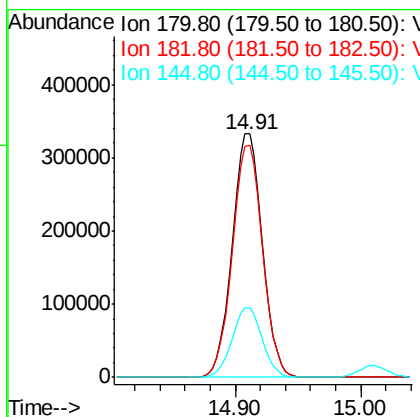
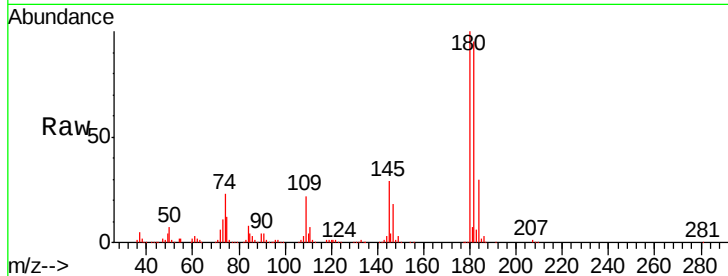
#93
 1,2,4-Trichlorobenzene
 Concen: 46.712 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	28.7	14.2	42.6

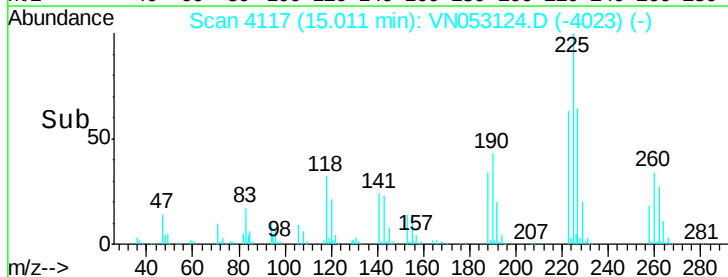
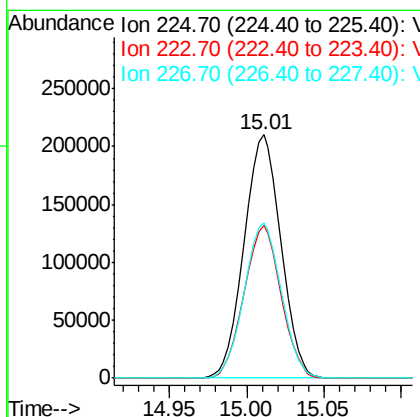
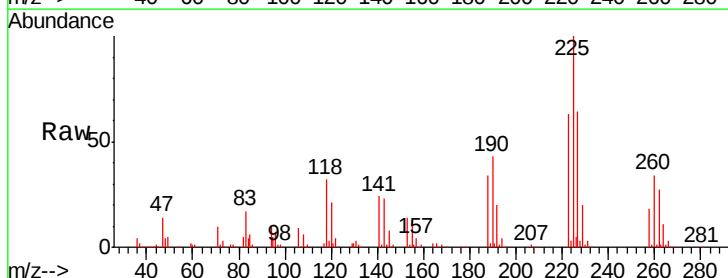
Manual Integrations
 APPROVED

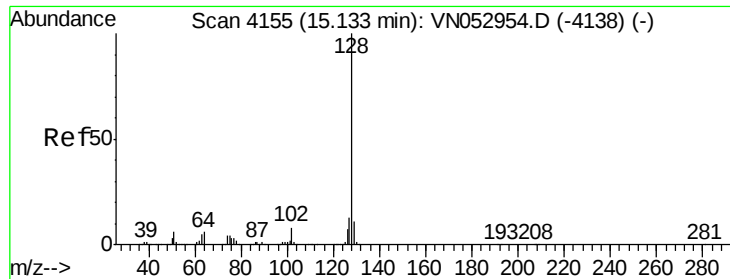
MMDadoda
 12/24/2018 9:32:37 AM



#94
 Hexachlorobutadiene
 Concen: 57.426 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.5	94.5
227	64.1	31.9	95.7





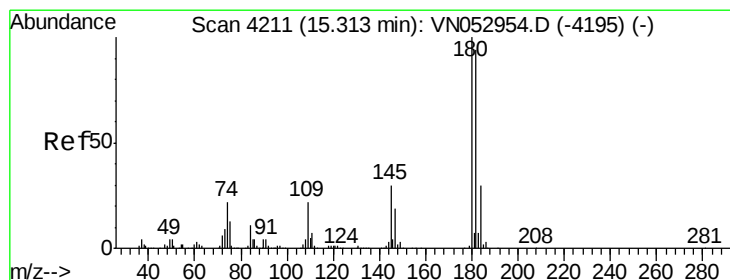
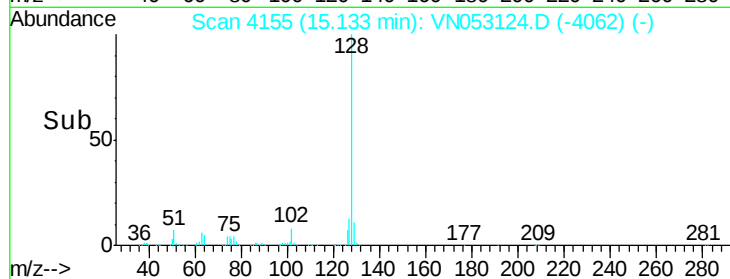
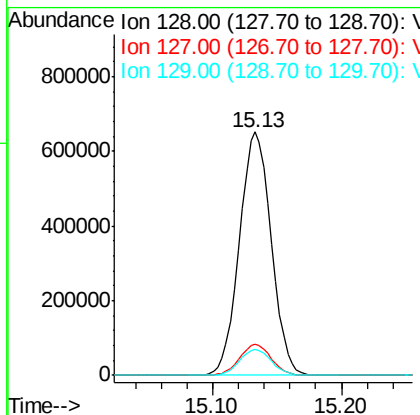
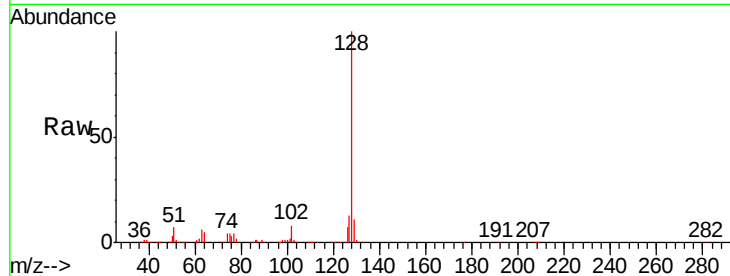
#95
Naphthalene
Concen: 43.209 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1116175
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
12/24/2018 9:32:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.702 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion:180 Resp: 486641
Ion Ratio Lower Upper
180 100
182 94.5 47.9 143.7
145 29.6 15.0 45.0

