

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053197.D
 Acq On : 24 Dec 2018 20:33
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:54:03 AM

Quant Time: Dec 25 00:51:39 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	7.67	168	894511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1391878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1240143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	588263	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	490660	54.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.10%	
35) Dibromofluoromethane	7.59	113	408031	64.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.34%	
50) Toluene-d8	10.09	98	1751856	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.40	95	611215	51.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	397038	43.856	ug/l	100
3) Chloromethane	2.06	50	508947	46.392	ug/l	100
4) Vinyl Chloride	2.19	62	518188	46.639	ug/l	100
5) Bromomethane	2.57	94	346685	45.037	ug/l	98
6) Chloroethane	2.71	64	313503	47.643	ug/l	100
7) Trichlorofluoromethane	3.02	101	665877	48.109	ug/l	99
8) Diethyl Ether	3.41	74	268421	51.406	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	420315	47.628	ug/l	98
10) Methyl Iodide	3.96	142	596130	48.102	ug/l	99
11) Tert butyl alcohol	4.78	59	147406	266.134	ug/l	99
12) 1,1-Dichloroethene	3.74	96	414435	48.609	ug/l	100
13) Acrolein	3.61	56	169814	338.124	ug/l	100
14) Allyl chloride	4.33	41	657344	49.775	ug/l	98
15) Acrylonitrile	4.99	53	826448	268.582	ug/l	99
16) Acetone	3.82	43	514099	288.847	ug/l	96
17) Carbon Disulfide	4.06	76	1111108	39.961	ug/l	99
18) Methyl Acetate	4.32	43	452639	55.913	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1213063	53.168	ug/l	99
20) Methylene Chloride	4.55	84	486478	50.107	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	436340	47.634	ug/l	100
22) Diisopropyl ether	5.95	45	1514268	53.718	ug/l	97
23) Vinyl Acetate	5.90	43	4439528	273.884	ug/l	99
24) 1,1-Dichloroethane	5.85	63	856471	51.131	ug/l	99
25) 2-Butanone	6.83	43	861750	288.501	ug/l	98
26) 2,2-Dichloropropane	6.83	77	587608	45.954	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	528398	50.952	ug/l	99
28) Bromochloromethane	7.20	49	390304	53.773	ug/l	98
29) Tetrahydrofuran	7.21	42	610127	273.490	ug/l	99
30) Chloroform	7.37	83	837632	50.904	ug/l	98
31) Cyclohexane	7.66	56	756170	48.092	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	693825	49.497	ug/l	99
36) 1,1-Dichloropropene	7.79	75	635592	47.576	ug/l	99
37) Ethyl Acetate	6.93	43	400923	53.758	ug/l	98
38) Carbon Tetrachloride	7.78	117	591708	48.321	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	710697	43.791	ug/l	98
40) Benzene	8.04	78	1958310	49.281	ug/l	99
41) Methacrylonitrile	7.18	41	243824	56.583	ug/l	93
42) 1,2-Dichloroethane	8.13	62	583293	49.687	ug/l	99
43) Isopropyl Acetate	8.16	43	753147	52.230	ug/l	99
44) Trichloroethene	8.84	130	535603	46.599	ug/l	99
45) 1,2-Dichloropropane	9.12	63	528518	51.062	ug/l	100
46) Dibromomethane	9.21	93	298202	49.456	ug/l	98
47) Bromodichloromethane	9.40	83	641622	50.060	ug/l	100
48) Methyl methacrylate	9.20	41	375293	51.857	ug/l	99
49) 1,4-Dioxane	9.20	88	91132	995.487	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1983457	274.623	ug/l	99
52) Toluene	10.16	92	1210948	49.164	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	662568	49.160	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	767442	49.608	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	442949	51.548	ug/l	98
56) Ethyl methacrylate	10.43	69	600719	52.818	ug/l	97
57) 1,3-Dichloropropane	10.71	76	761079	51.650	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1644042	263.299	ug/l	99
59) 2-Hexanone	10.75	43	1322201	270.577	ug/l	98
60) Dibromochloromethane	10.90	129	488468	49.661	ug/l	100
61) 1,2-Dibromoethane	11.01	107	437837	50.171	ug/l	99
64) Tetrachloroethene	10.63	164	582672	43.374	ug/l	98
65) Chlorobenzene	11.43	112	1340616	48.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	480738	50.288	ug/l	100
67) Ethyl Benzene	11.51	91	2310225	48.866	ug/l	100
68) m/p-Xylenes	11.62	106	1746973	97.203	ug/l	99
69) o-Xylene	11.95	106	857862	49.743	ug/l	100
70) Styrene	11.96	104	1413960	50.280	ug/l	100
71) Bromoform	12.13	173	340799	49.348	ug/l #	100
73) Isopropylbenzene	12.25	105	2255760	49.010	ug/l	99
74) N-amyl acetate	12.07	43	667437	52.231	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	508204	56.281	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	482763m	48.750	ug/l	
77) Bromobenzene	12.53	156	588154	49.159	ug/l	99
78) n-propylbenzene	12.59	91	2525183	48.172	ug/l	99
79) 2-Chlorotoluene	12.67	91	1510497	46.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1801786	48.028	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	149015	48.501	ug/l	100
82) 4-Chlorotoluene	12.77	91	1541671	48.469	ug/l	100
83) tert-Butylbenzene	12.99	119	1571007	47.349	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1833531	48.617	ug/l	100
85) sec-Butylbenzene	13.17	105	2061239	45.930	ug/l	100
86) p-Isopropyltoluene	13.29	119	1791252	46.192	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1012488	47.815	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1004900	46.862	ug/l	100
89) n-Butylbenzene	13.62	91	1460366	43.774	ug/l	100
90) Hexachloroethane	13.88	117	277830	46.687	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	981557	49.252	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77062	49.358	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	454844	43.161	ug/l	100
94) Hexachlorobutadiene	15.01	225	280332	51.356	ug/l	99
95) Naphthalene	15.13	128	1013118	43.945	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	408955	43.083	ug/l	99

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

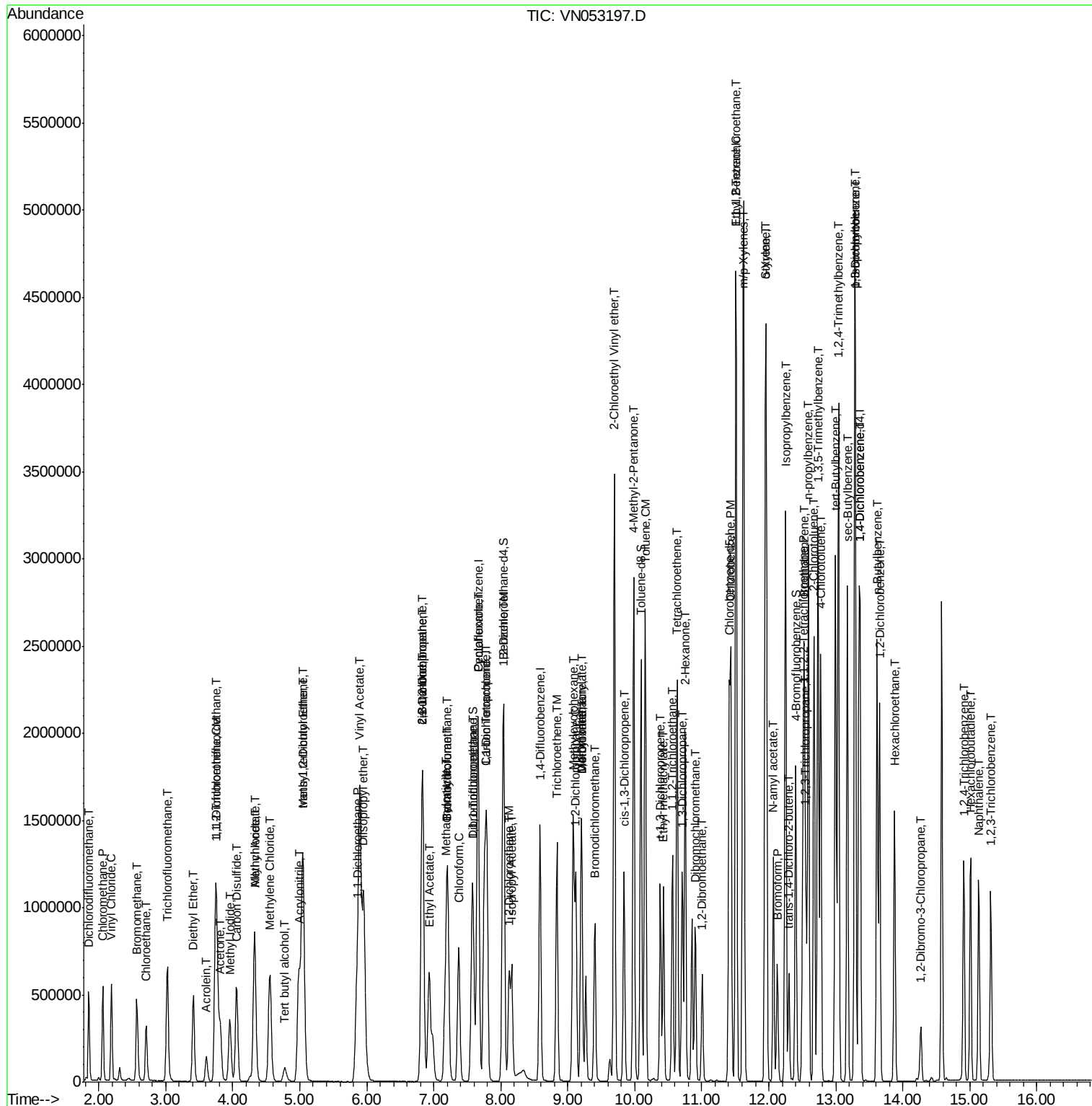
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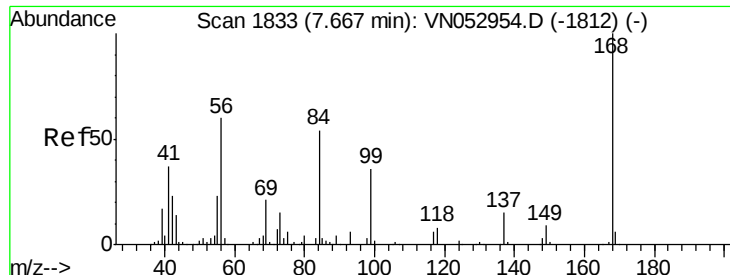
Instrument :
MSVOA_N
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VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 894511

Ion Ratio Lower Upper

168 100

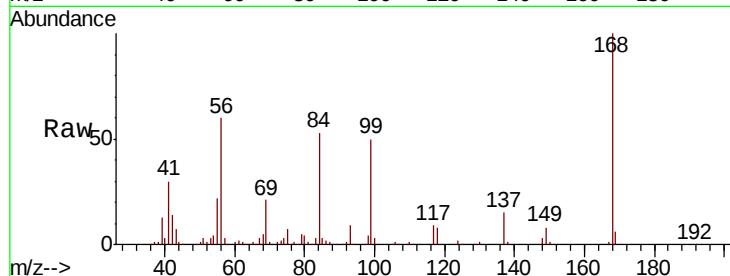
99 49.5 40.2 60.2

Manual Integrations

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12/26/2018 10:54:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

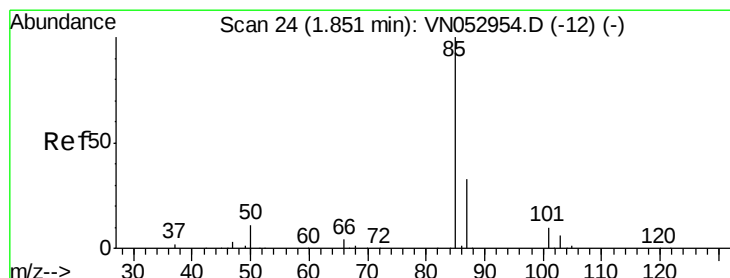
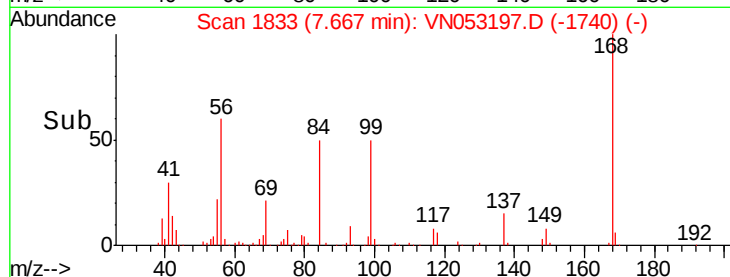
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.856 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053197.D

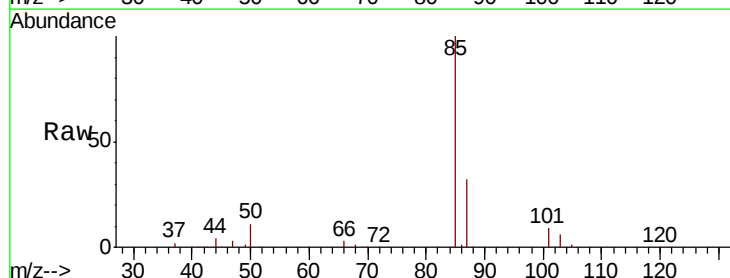
Acq: 24 Dec 2018 20:33

Tgt Ion: 85 Resp: 397038

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

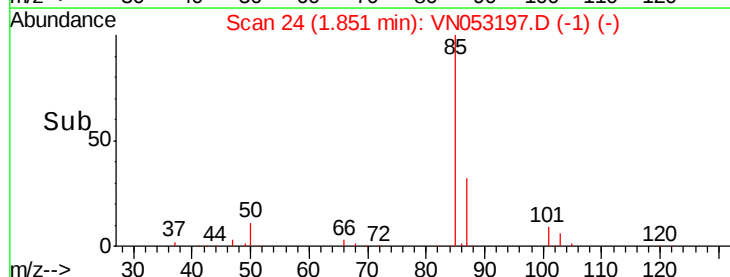
300000

200000

100000

0

Time-->





#3

Chloromethane

Concen: 46.392 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 508947

Ion Ratio Lower Upper

50 100

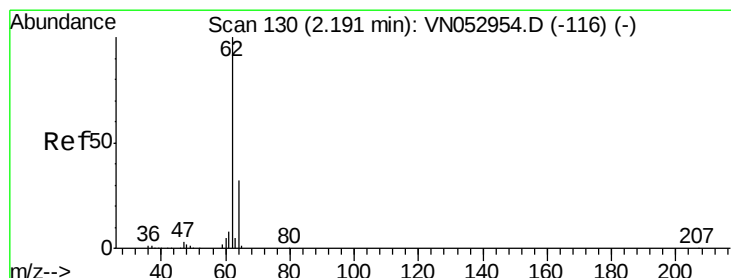
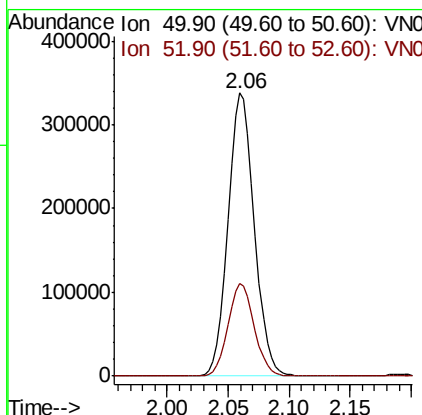
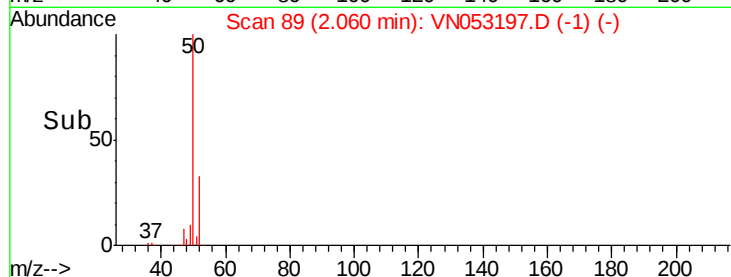
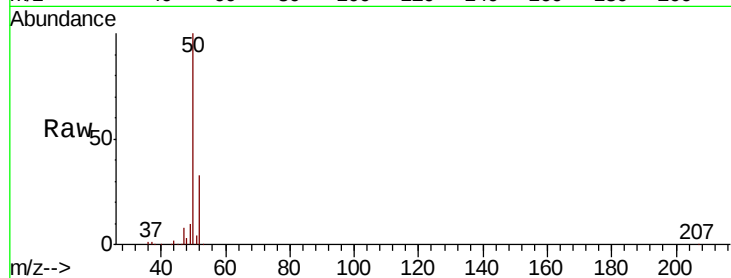
52 32.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.639 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053197.D

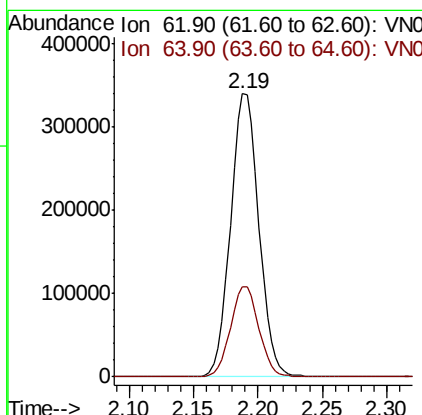
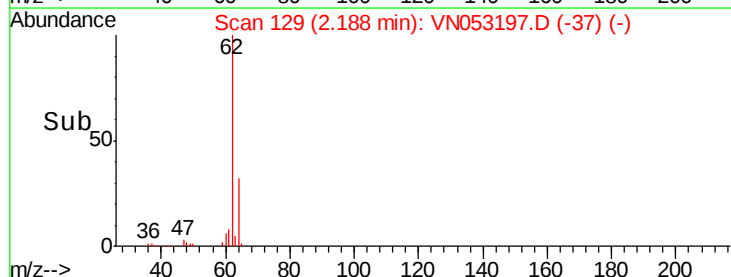
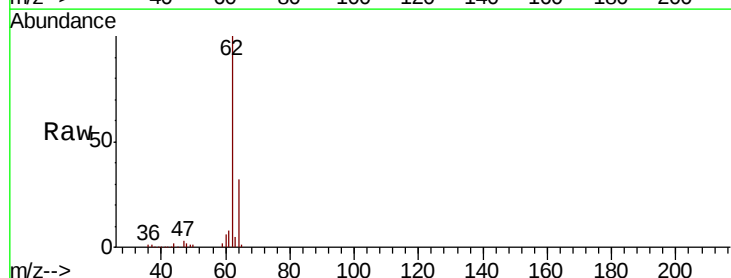
Acq: 24 Dec 2018 20:33

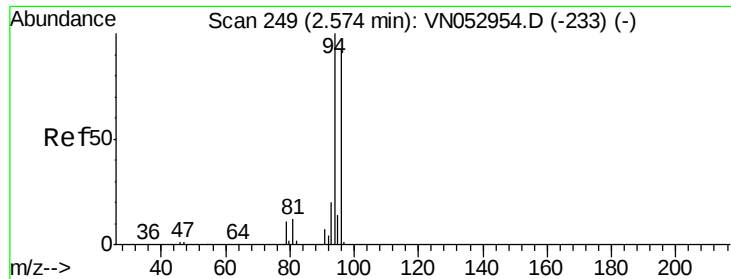
Tgt Ion: 62 Resp: 518188

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 45.037 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 346685

Ion Ratio Lower Upper

94 100

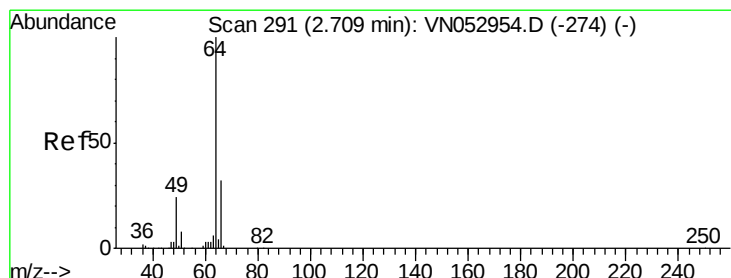
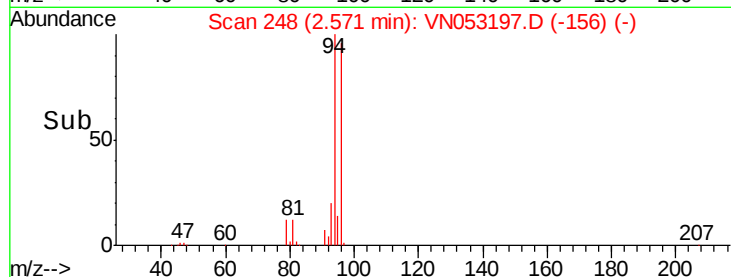
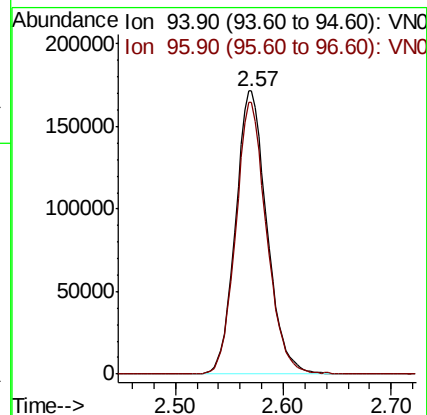
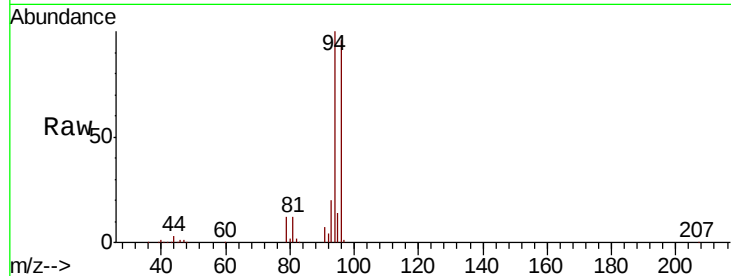
96 95.9 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 47.643 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053197.D

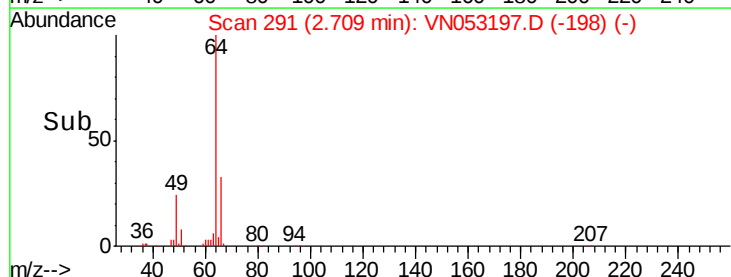
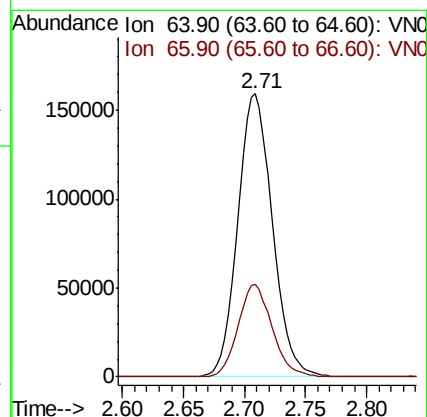
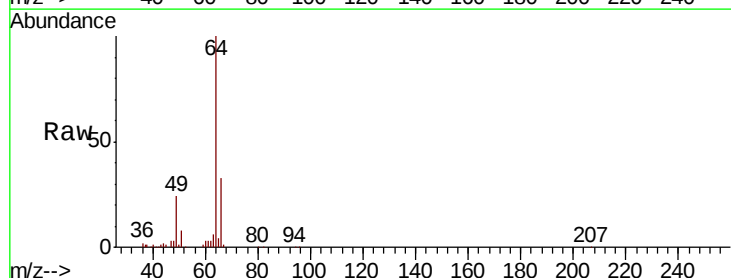
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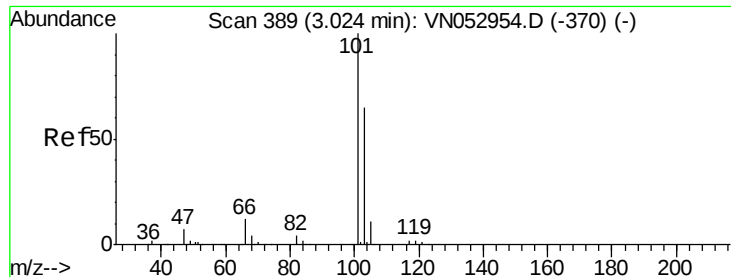
Tgt Ion: 64 Resp: 313503

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2





#7

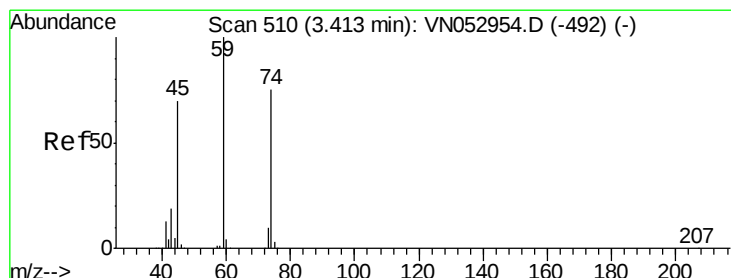
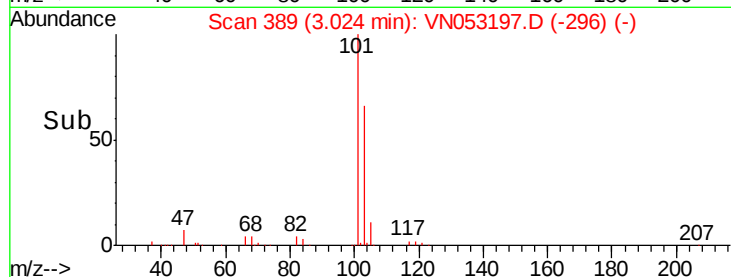
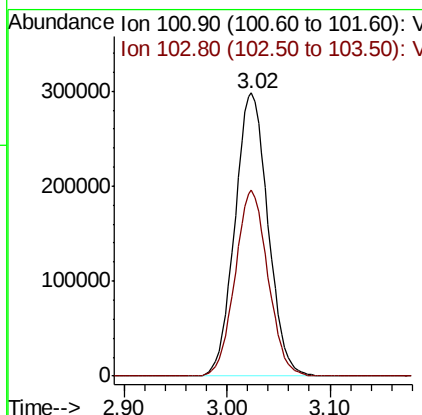
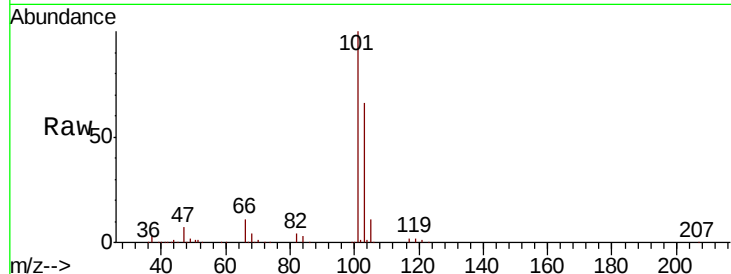
Trichlorofluoromethane
 Concen: 48.109 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		665877		
103	65.5	51.8	77.6		

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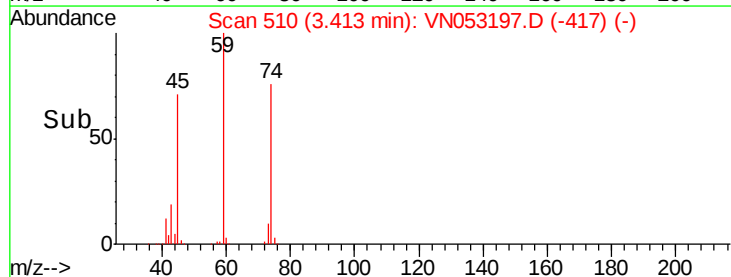
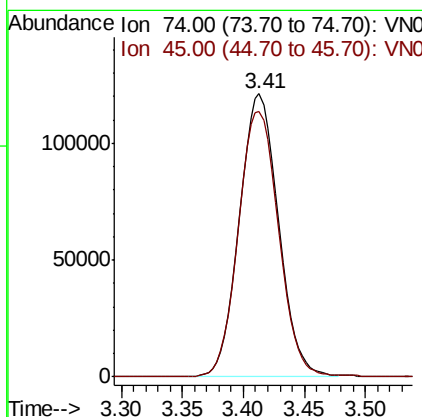
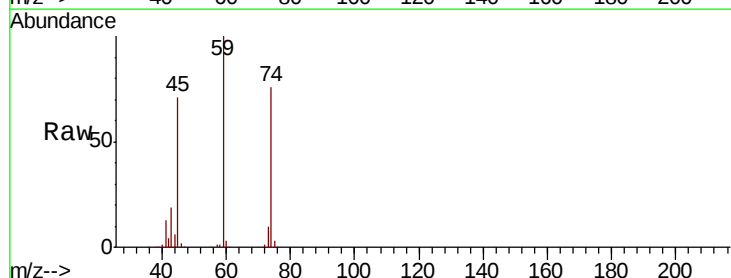
MMDadoda
 12/26/2018 10:54:03 AM

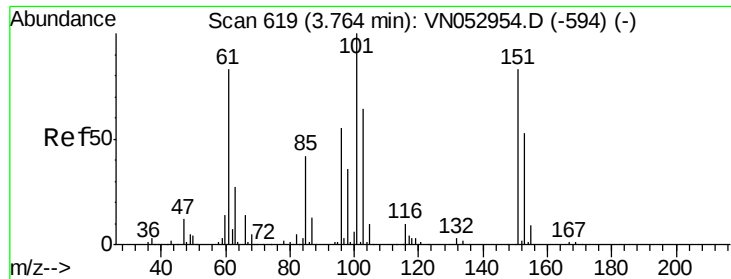


#8

Diethyl Ether
 Concen: 51.406 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		268421		
45	97.2	49.4	148.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.628 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053197.D

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Instrument :

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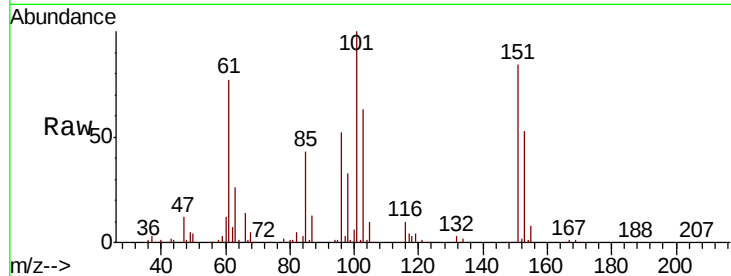
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	420315
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.6	50.4
151	84.0	65.5	98.3

Manual Integrations
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MMDadoda
12/26/2018 10:54:03 AM

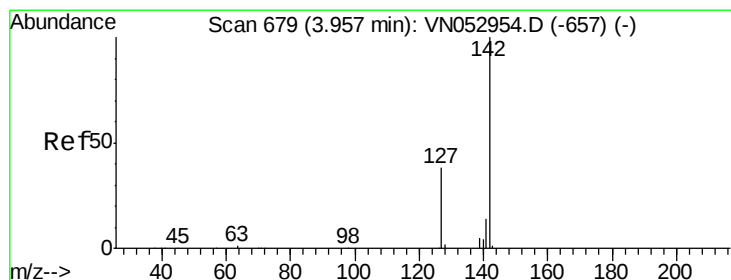
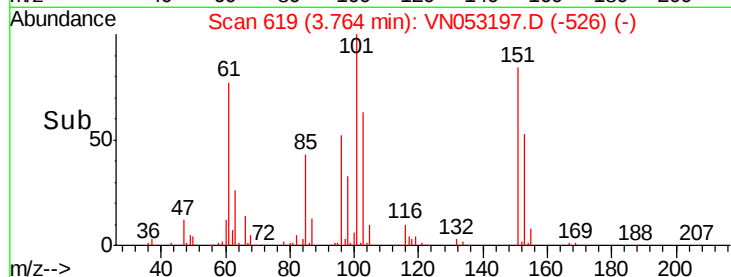
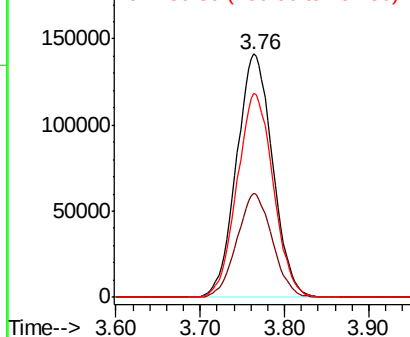


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.102 ug/l

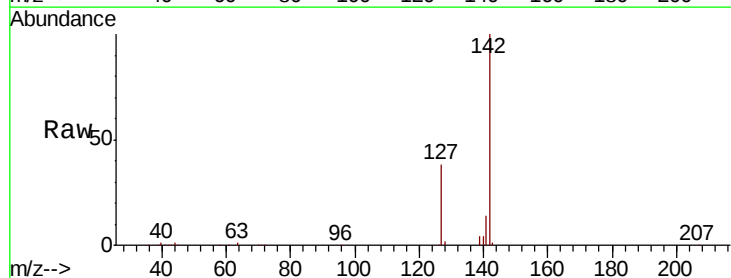
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion:	142	Resp:	596130
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.6
141	14.2	11.2	16.8

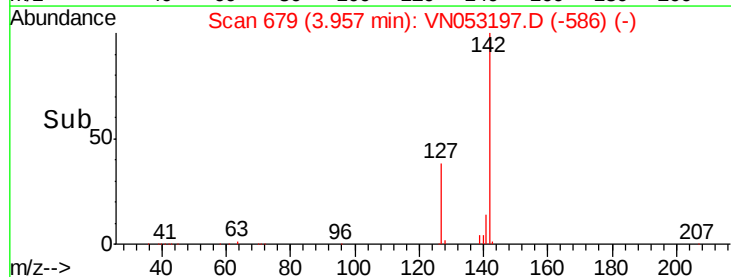
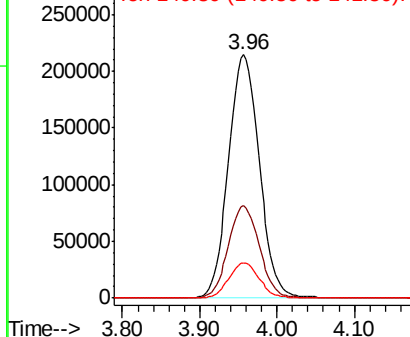


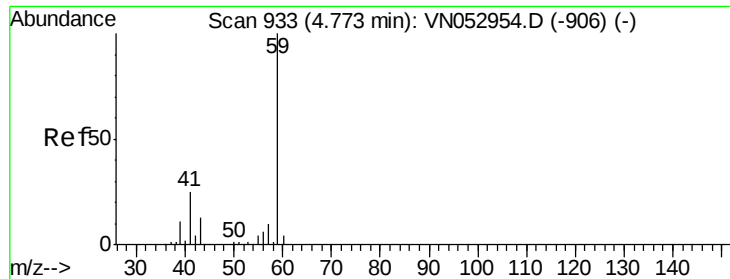
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





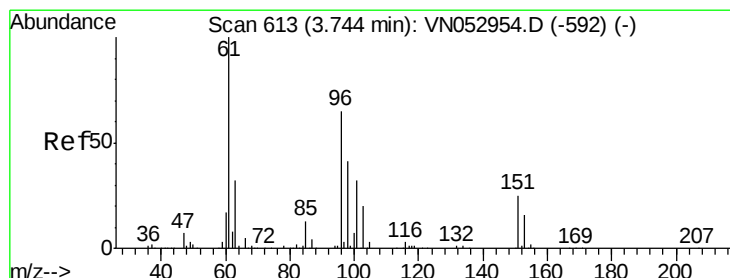
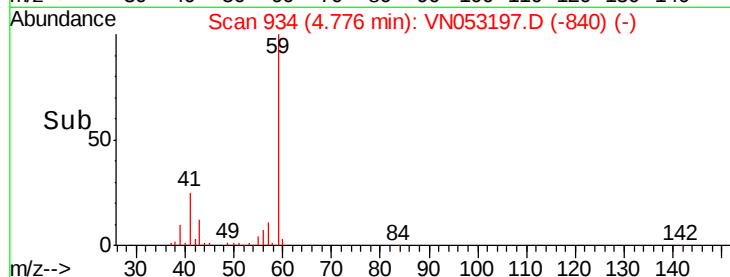
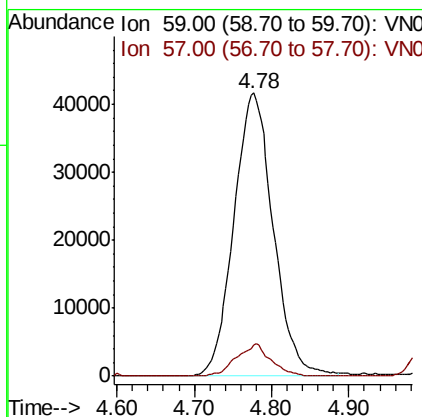
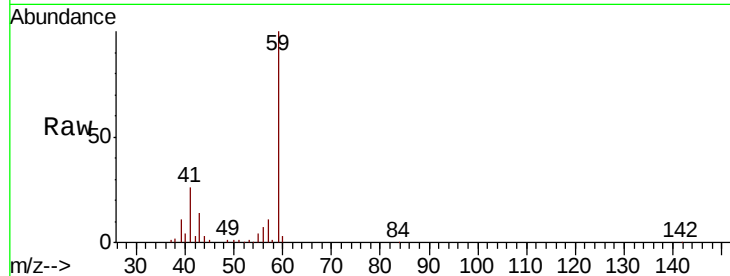
#11
Tert butyl alcohol
Concen: 266.134 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	147406
Ion Ratio	100	Lower	Upper
57	9.9	7.7	11.5

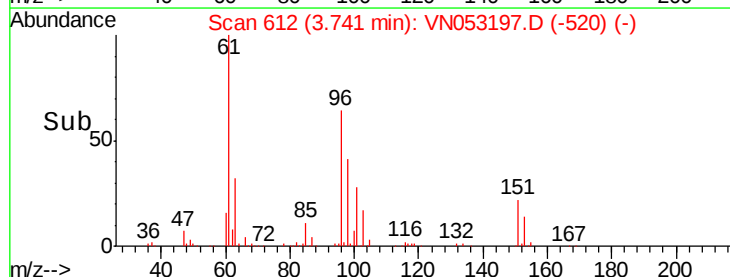
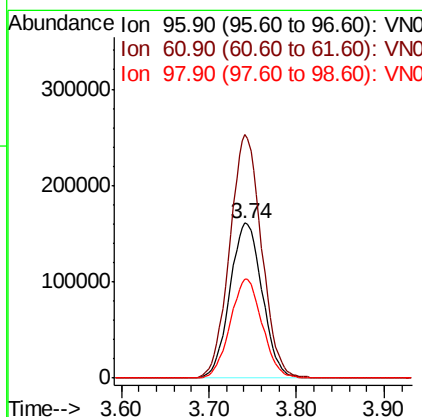
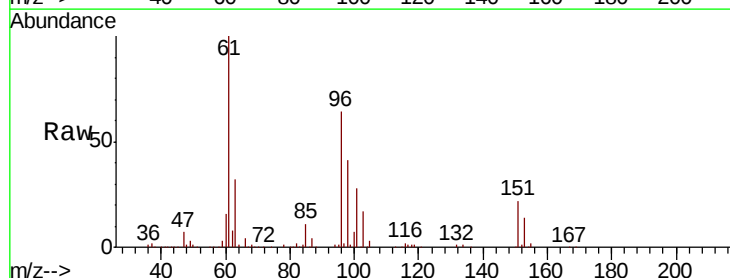
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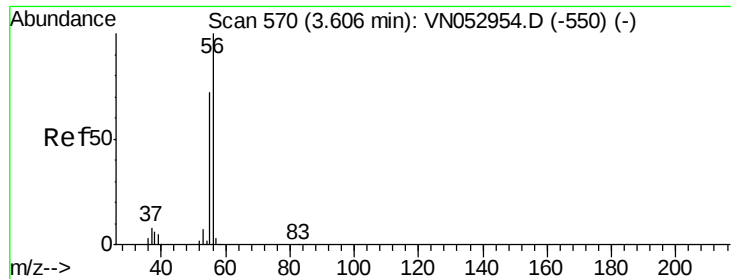
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.609 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion	96	Resp	414435
Ion Ratio	100	Lower	Upper
61	157.1	125.6	188.4
98	63.9	50.6	75.8





#13

Acrolein

Concen: 338.124 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 169814

Ion Ratio Lower Upper

56 100

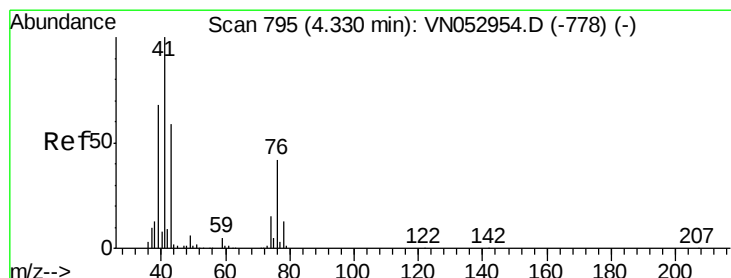
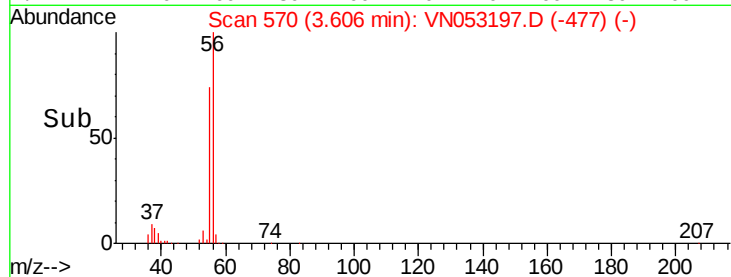
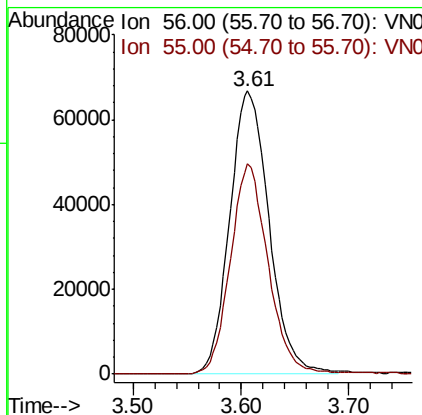
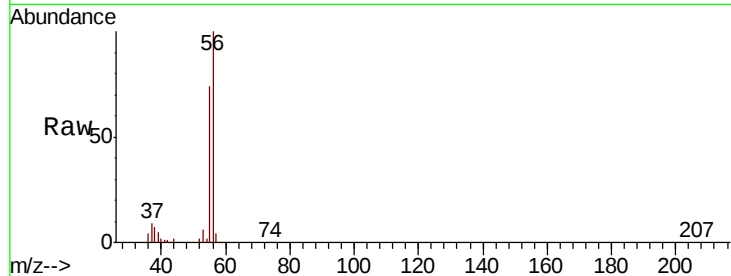
55 71.0 56.6 85.0

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#14

Allyl chloride

Concen: 49.775 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

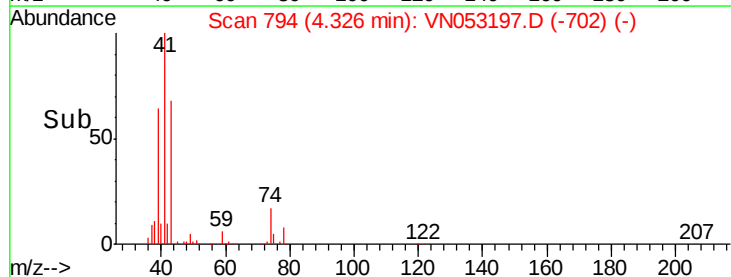
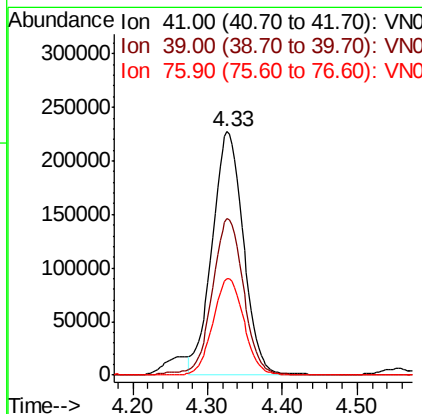
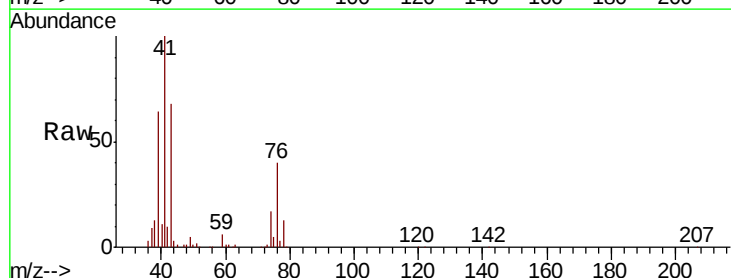
Tgt Ion: 41 Resp: 657344

Ion Ratio Lower Upper

41 100

39 65.2 54.1 81.1

76 38.8 30.3 45.5





#15

Acrylonitrile

Concen: 268.582 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

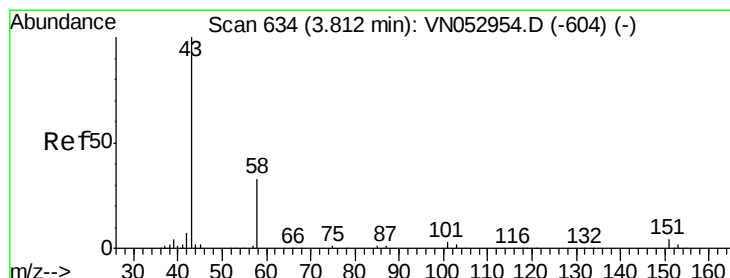
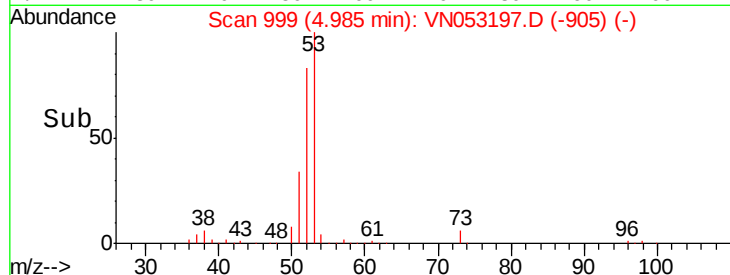
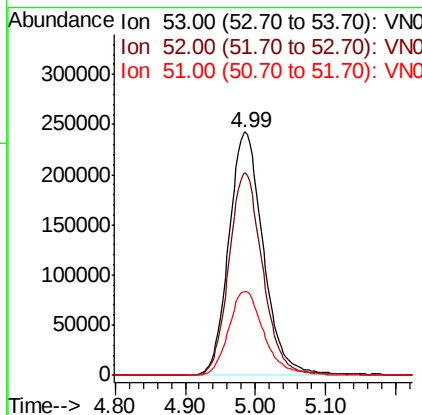
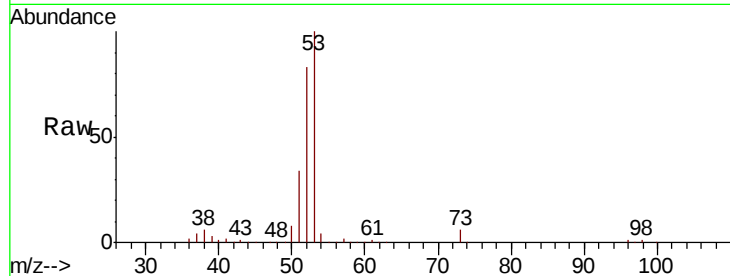
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	826448
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.1	97.7
51	35.5	28.1	42.1

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#16

Acetone

Concen: 288.847 ug/l

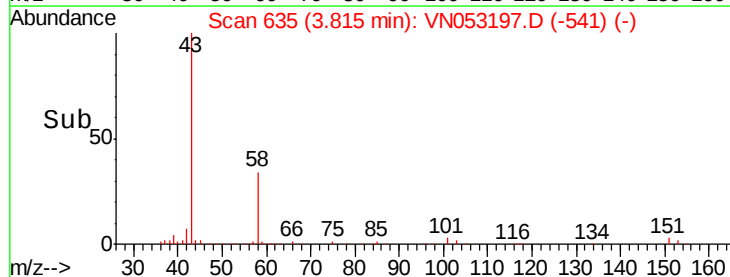
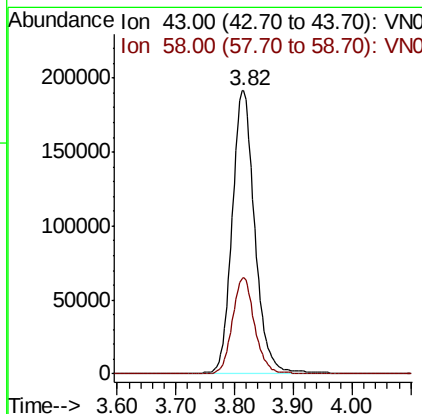
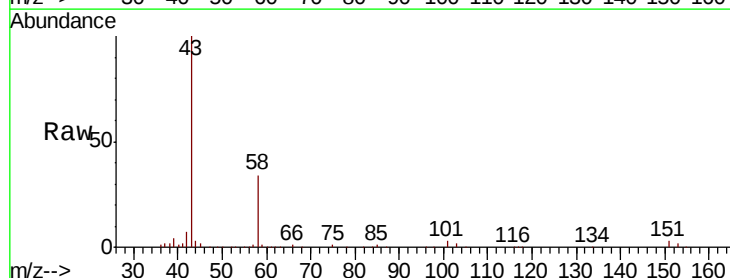
RT: 3.82 min Scan# 635

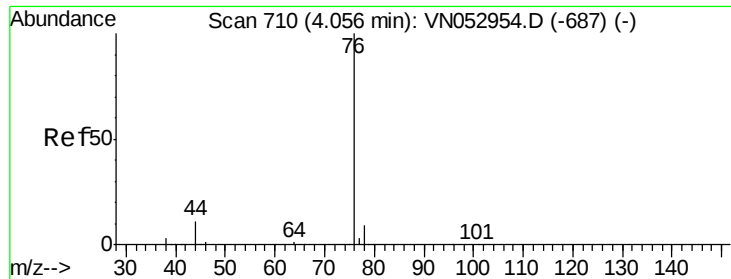
Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion:	43	Resp:	514099
Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.4	38.0





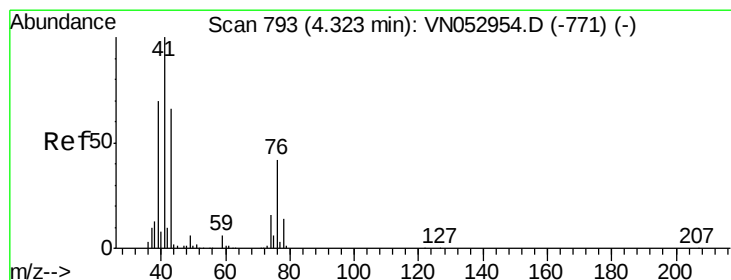
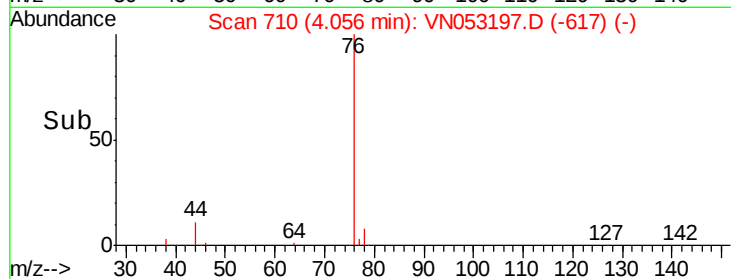
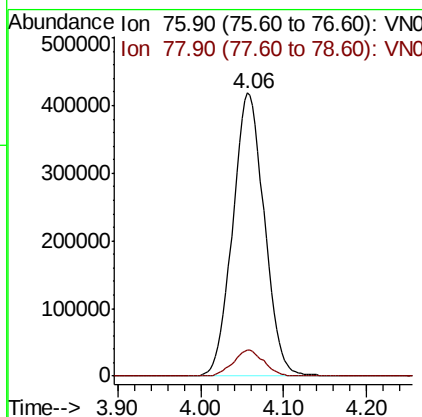
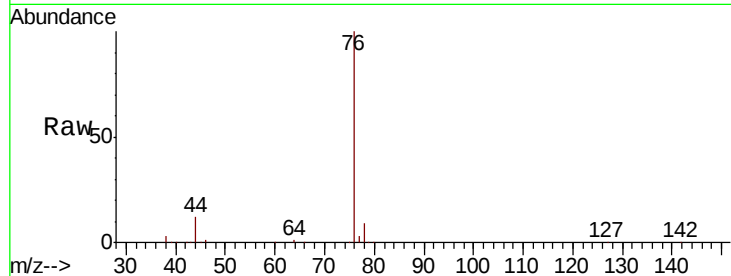
#17
Carbon Disulfide
Concen: 39.961 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1111108
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

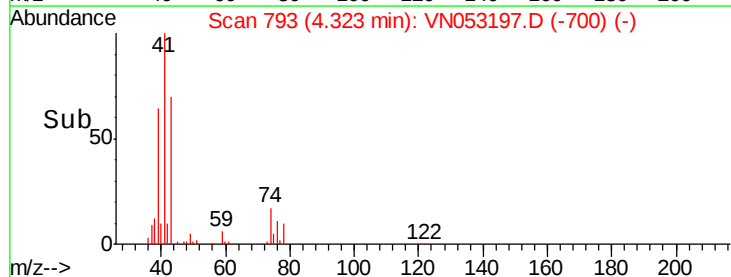
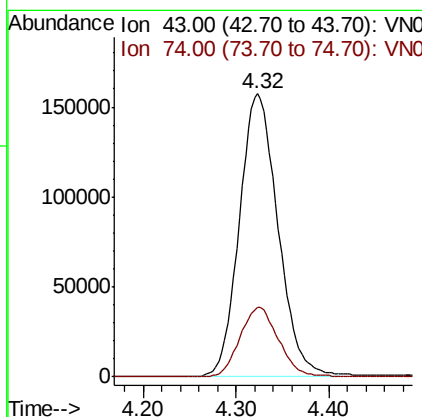
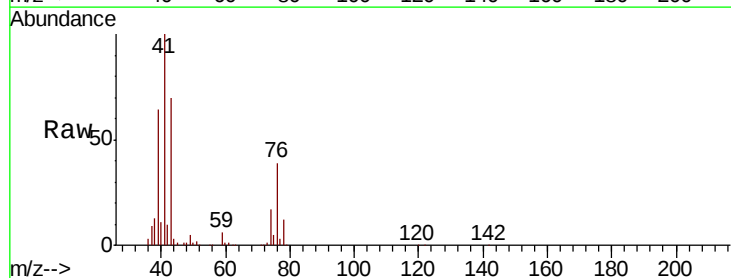
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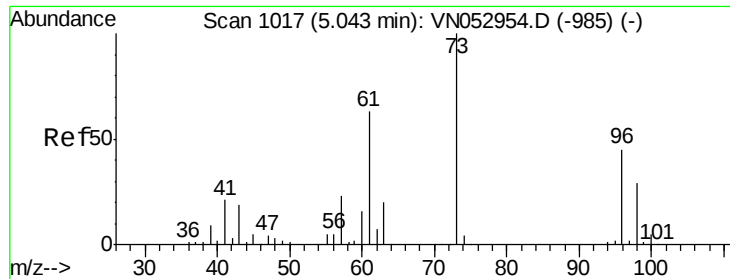
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#18
Methyl Acetate
Concen: 55.913 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 43 Resp: 452639
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8





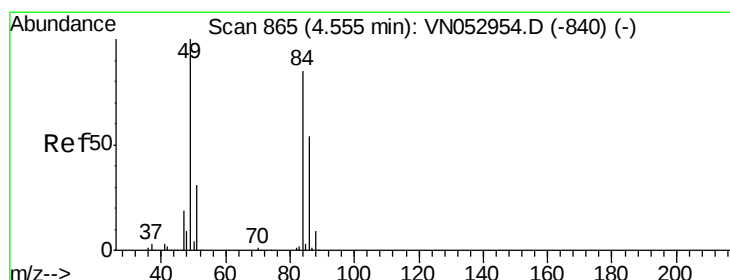
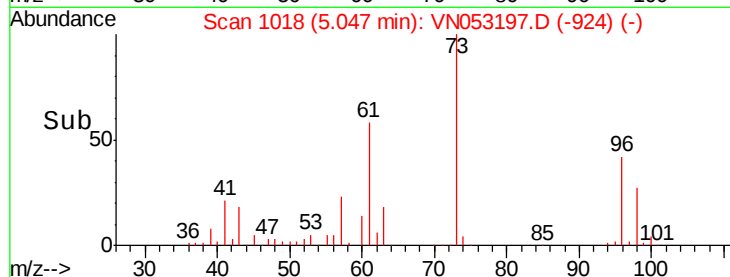
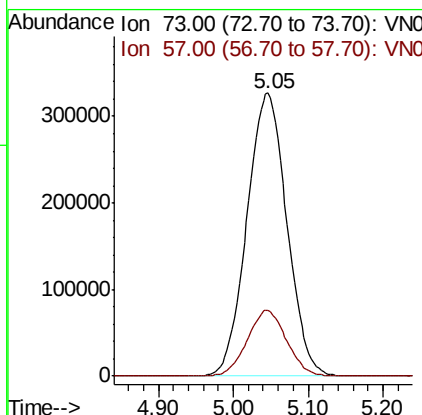
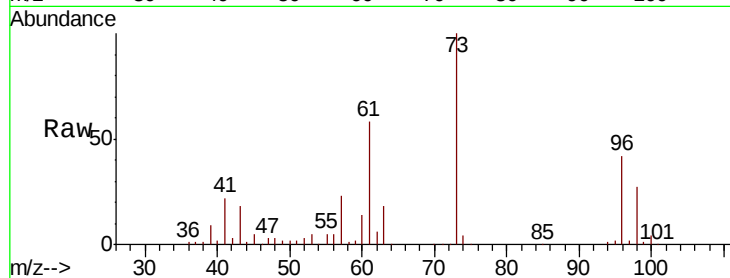
#19
Methvl tert-butvl Ether
Concen: 53.168 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1213063
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6

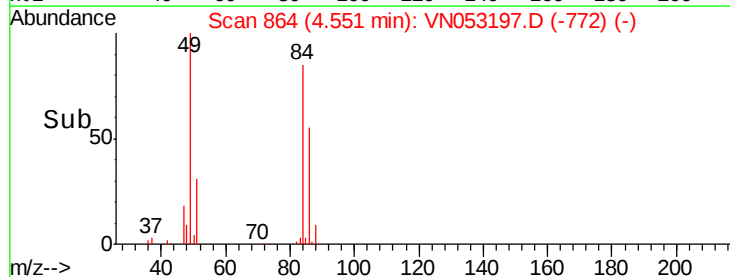
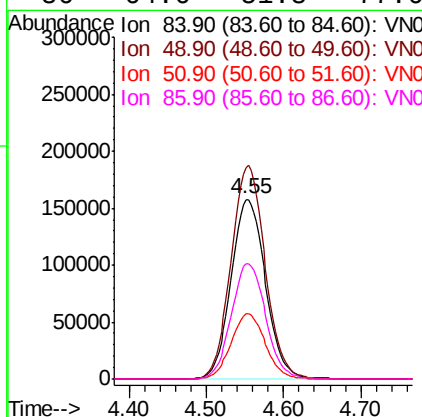
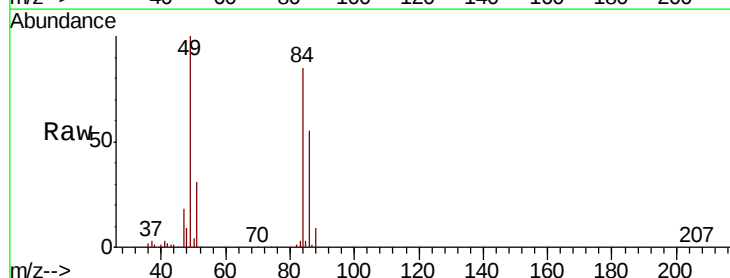
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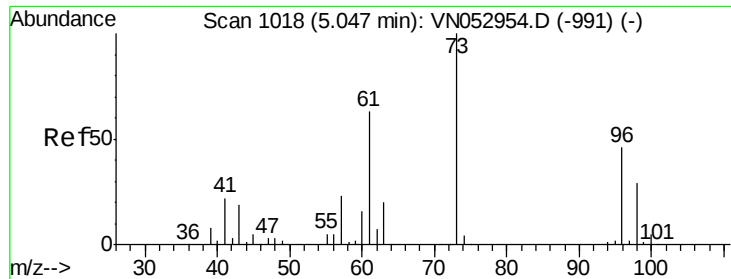
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#20
Methylene Chloride
Concen: 50.107 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 84 Resp: 486478
Ion Ratio Lower Upper
84 100
49 118.0 96.8 145.2
51 36.7 29.9 44.9
86 64.6 51.8 77.6





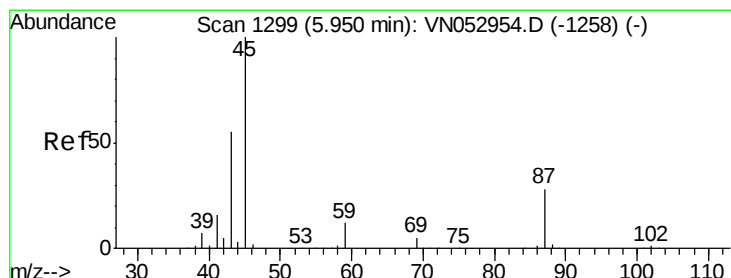
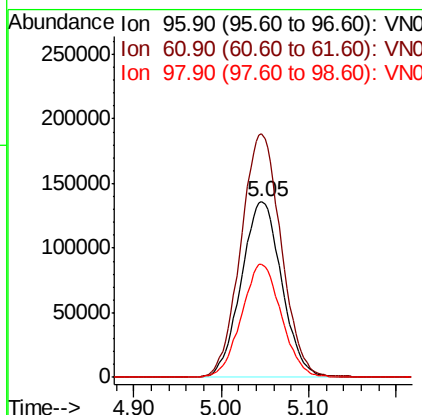
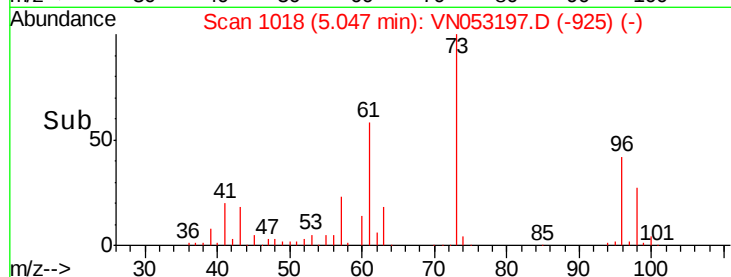
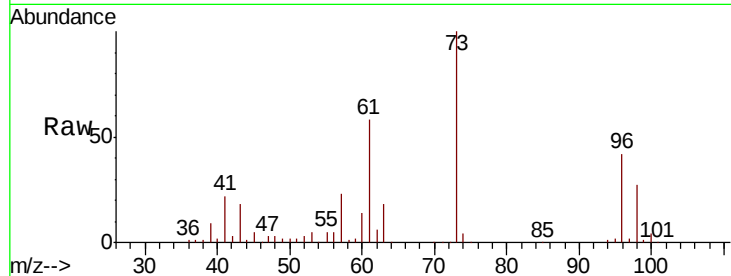
#21
trans-1,2-Dichloroethene
Concen: 47.634 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.6	110.8	166.2
98	64.2	51.4	77.2

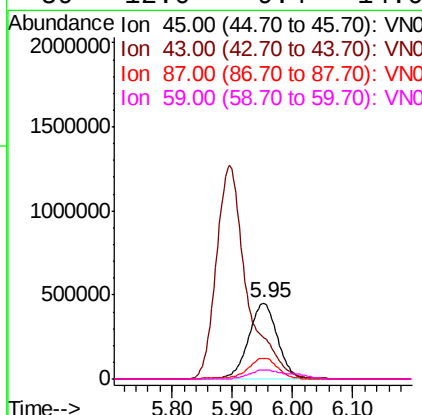
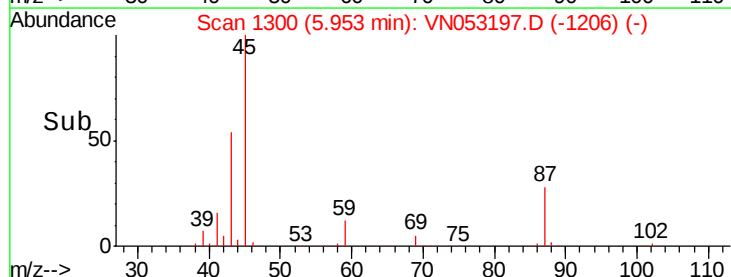
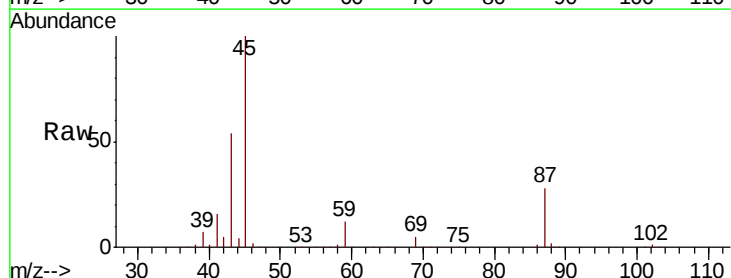
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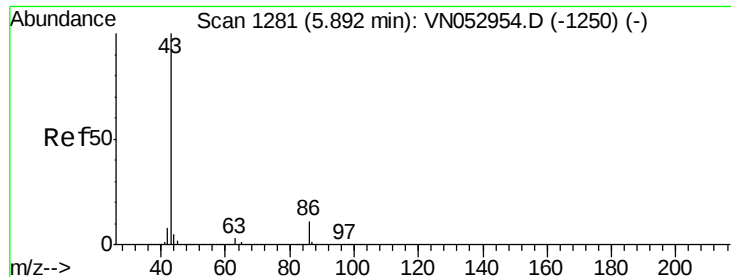
MMDadoda
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#22
Diisopropyl ether
Concen: 53.718 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.7	45.5	68.3
87	27.8	22.0	33.0
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 273.884 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4439528

Ion Ratio Lower Upper

43 100

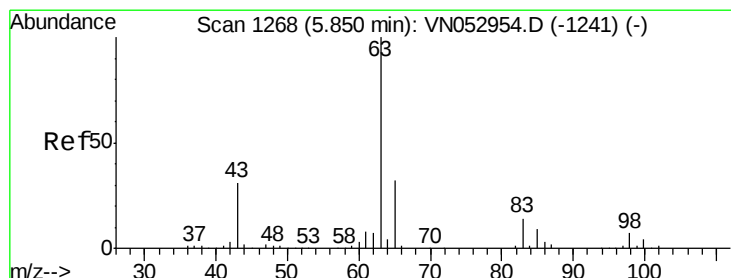
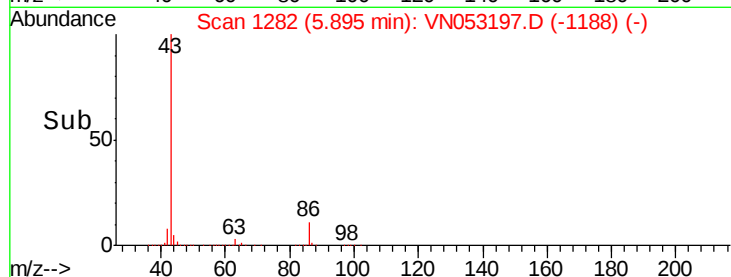
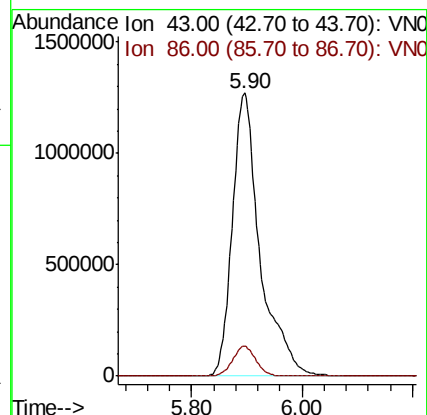
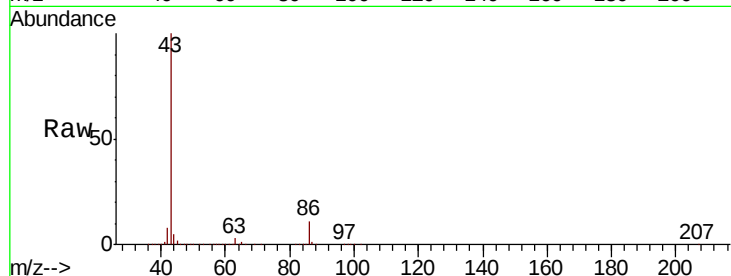
86 10.6 8.1 12.1

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#24

1,1-Dichloroethane

Concen: 51.131 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

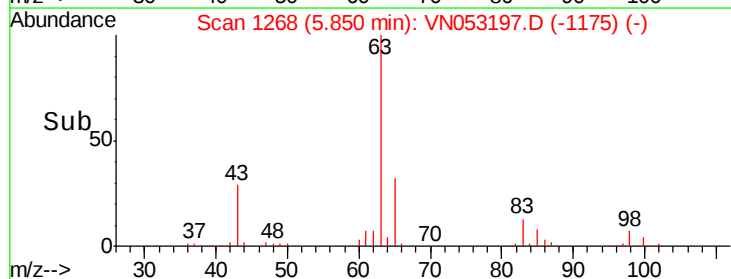
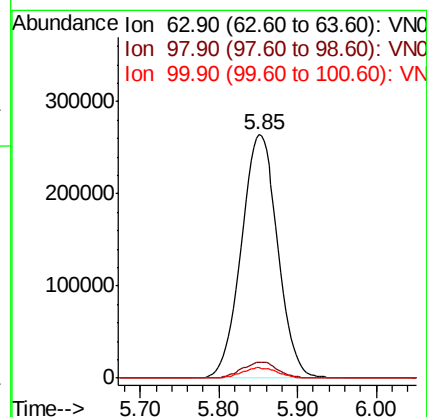
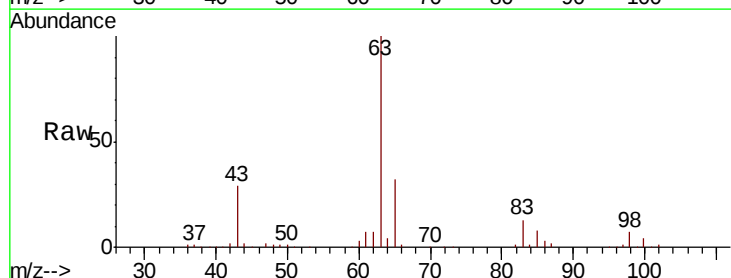
Tgt Ion: 63 Resp: 856471

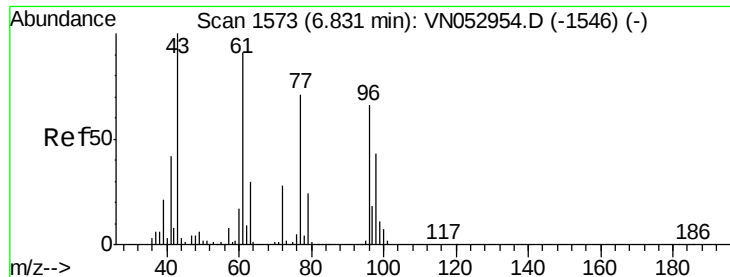
Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.2 2.0 5.8





#25

2-Butanone

Concen: 288.501 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 861750

Ion Ratio Lower Upper

43 100

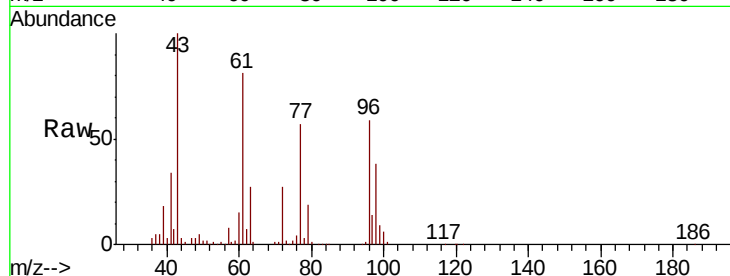
72 27.1 21.0 31.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

300000

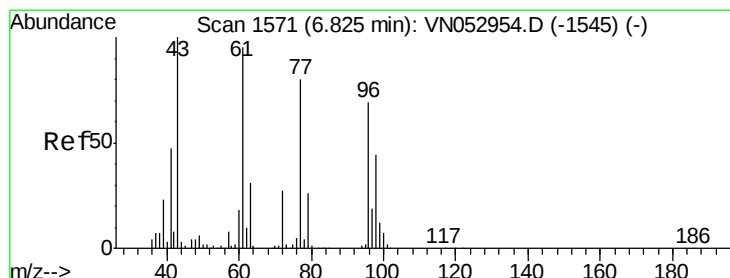
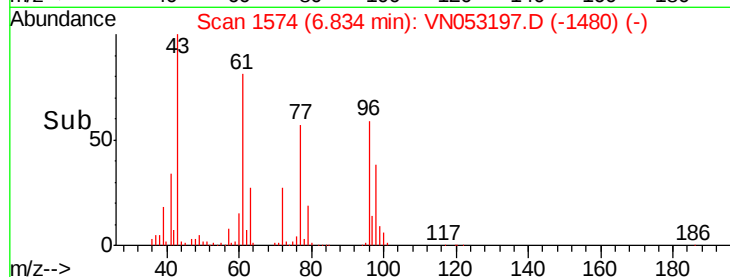
200000

100000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 45.954 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053197.D

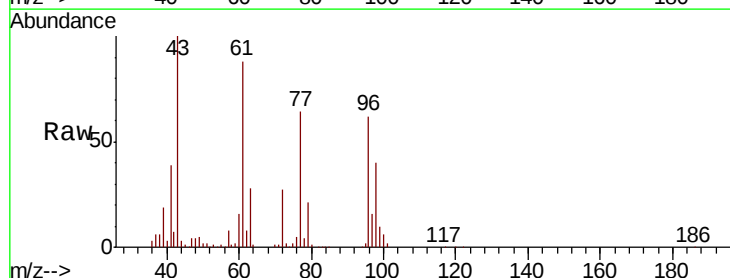
Acq: 24 Dec 2018 20:33

Tgt Ion: 77 Resp: 587608

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

200000

150000

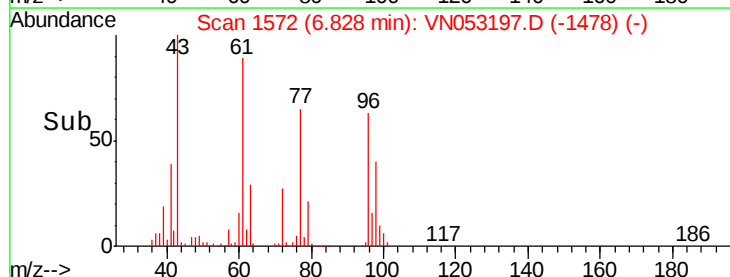
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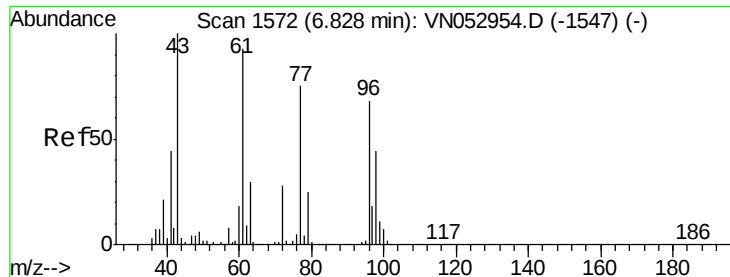
50000

0

6.70 6.80 6.90 7.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.952 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

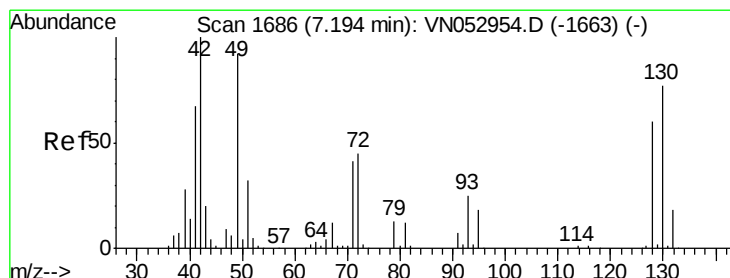
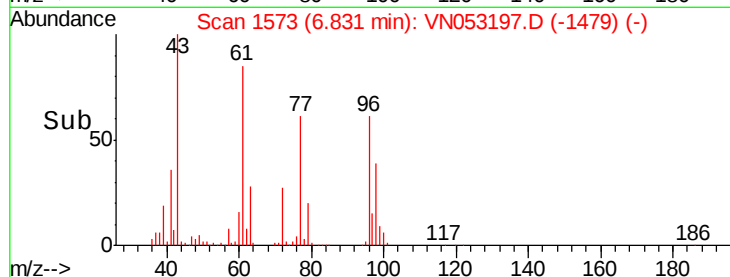
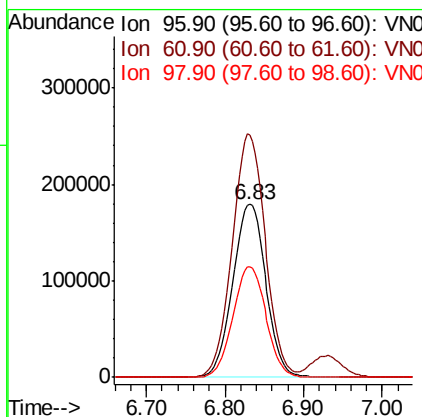
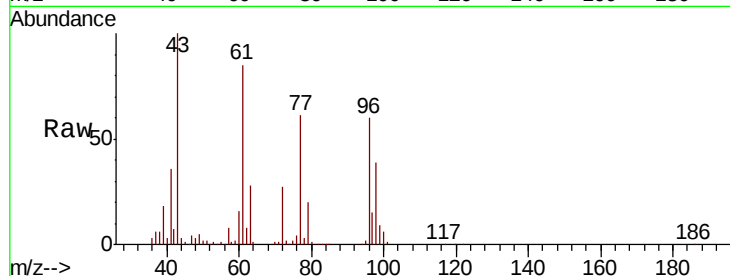
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	528398
Ion Ratio	Lower	Upper	
96	100		
61	140.3	0.0	284.2
98	64.0	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 53.773 ug/l

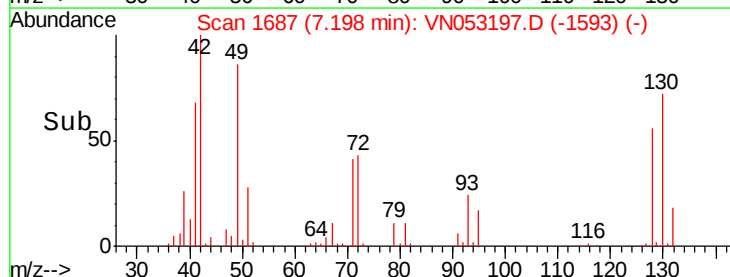
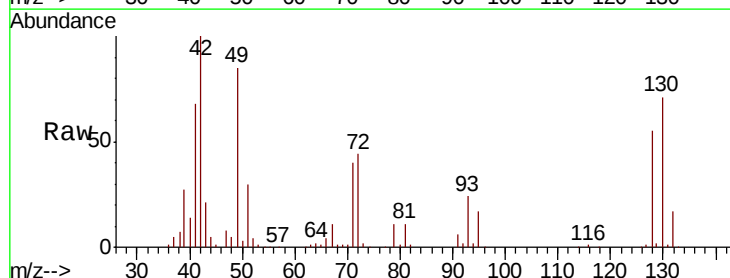
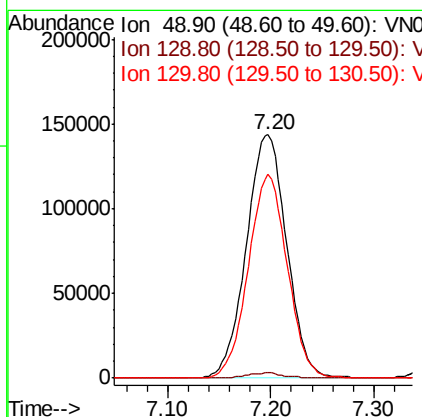
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion:	49	Resp:	390304
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.0
130	80.9	63.3	94.9





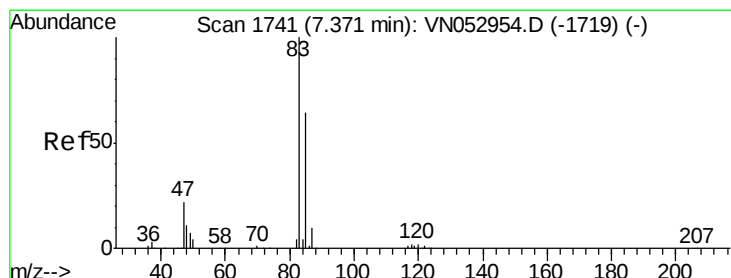
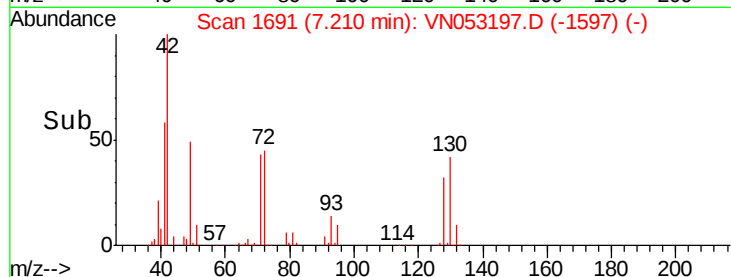
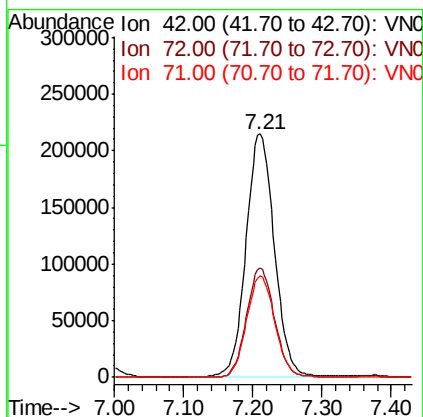
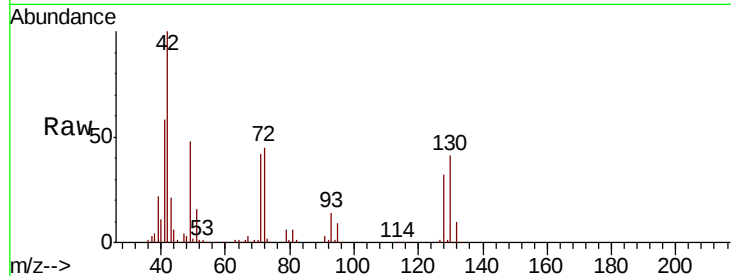
#29
Tetrahydrofuran
Concen: 273.490 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.7	52.1
71	41.4	32.3	48.5

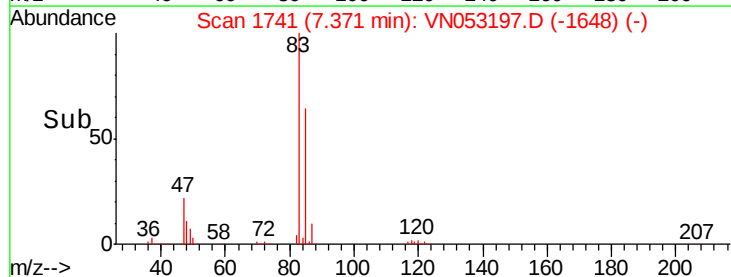
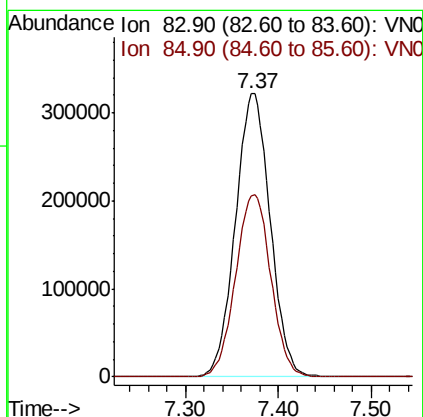
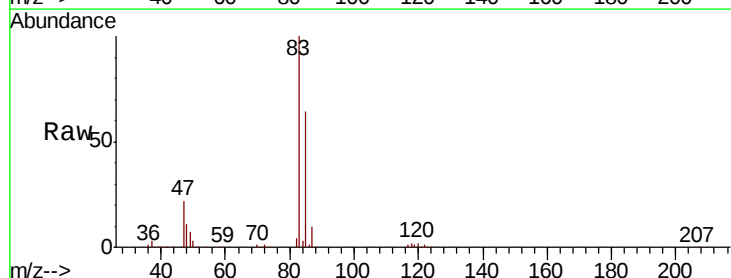
Manual Integrations
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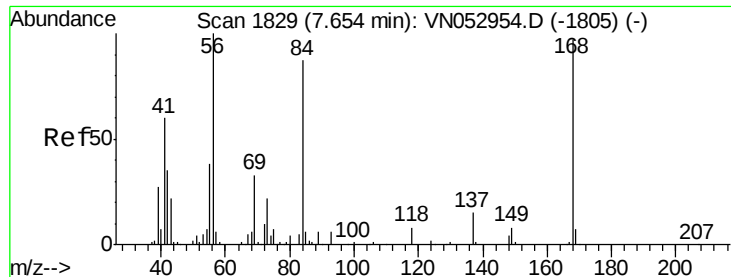
MMDadoda
12/26/2018 10:54:03 AM



#30
Chloroform
Concen: 50.904 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.1	78.1





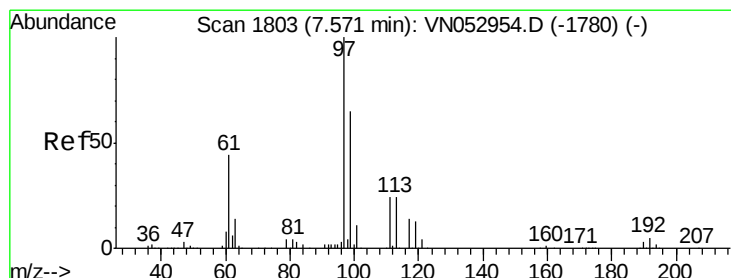
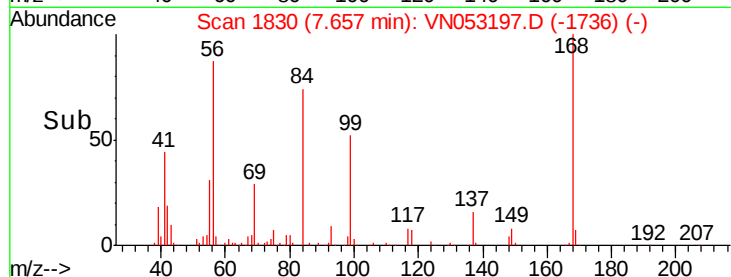
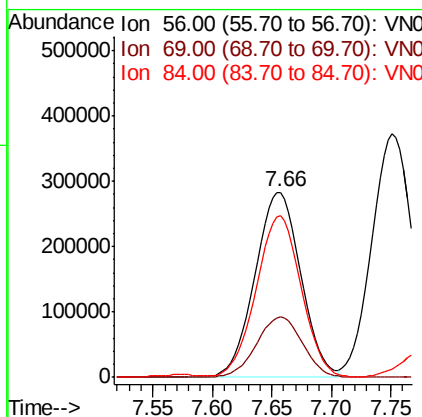
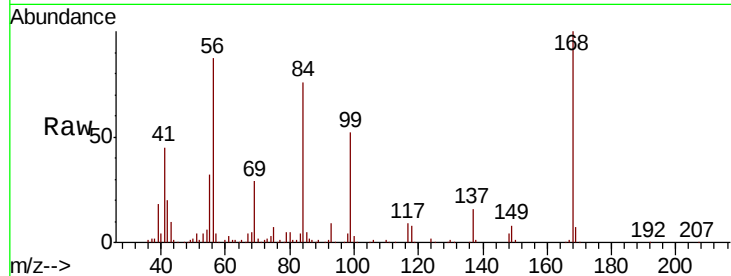
#31
Cvclohexane
Concen: 48.092 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.6	39.8
84	86.1	68.4	102.6

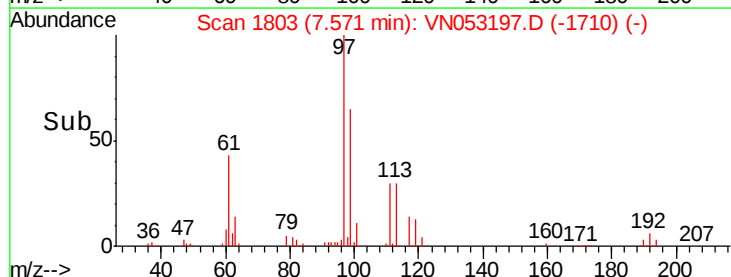
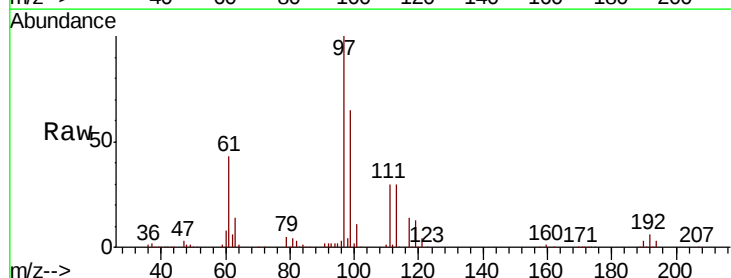
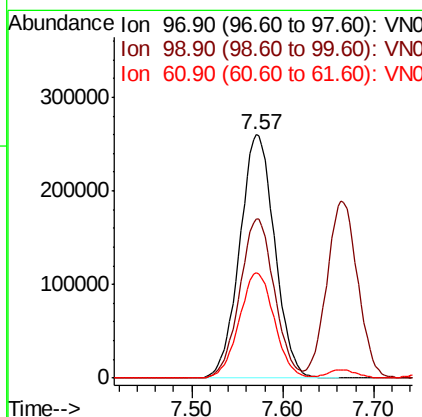
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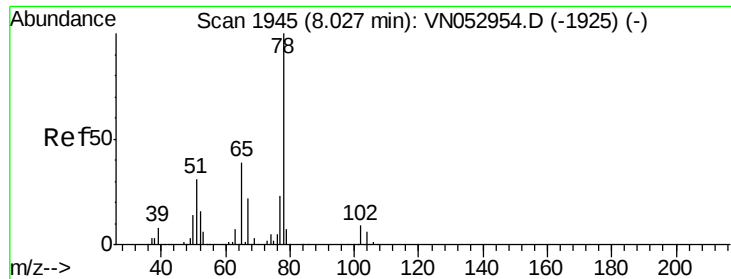
MMDadoda
12/26/2018 10:54:03 AM



#32
1,1,1-Trichloroethane
Concen: 49.497 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.1	76.7
61	43.5	35.0	52.6





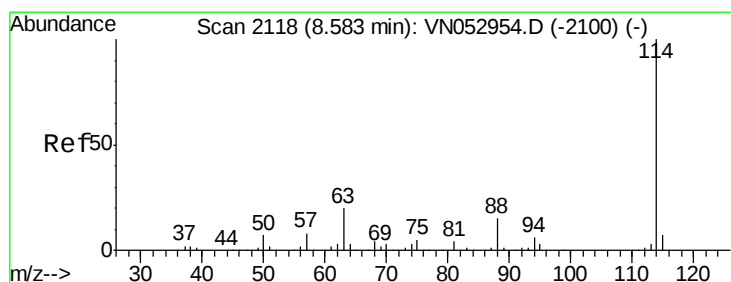
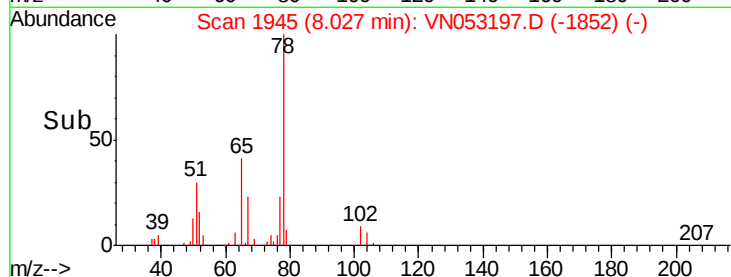
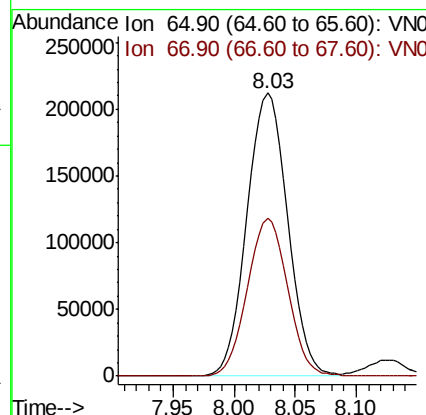
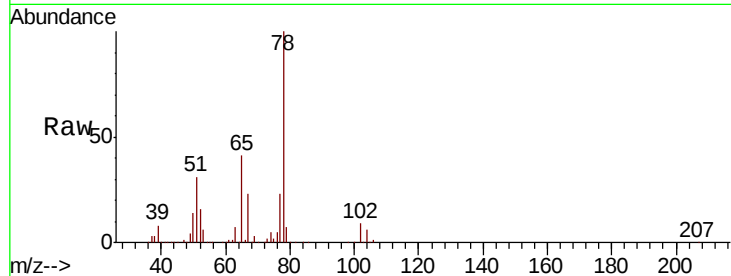
#33
 1,2-Dichloroethane-d4
 Concen: 49.497 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	490660		
67	55.3	0.0	110.4	

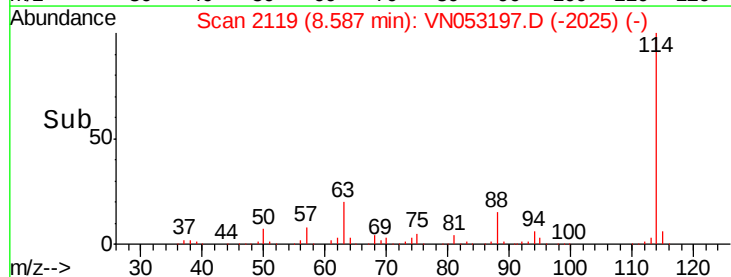
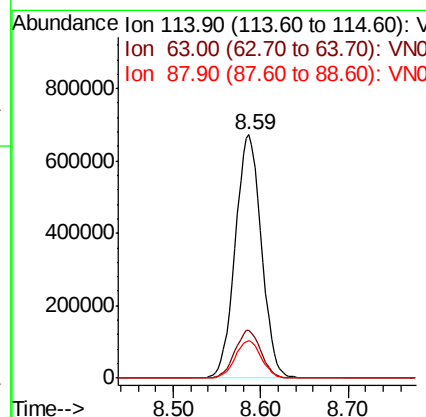
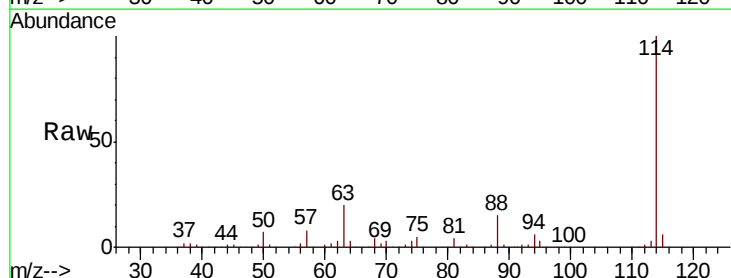
Manual Integrations
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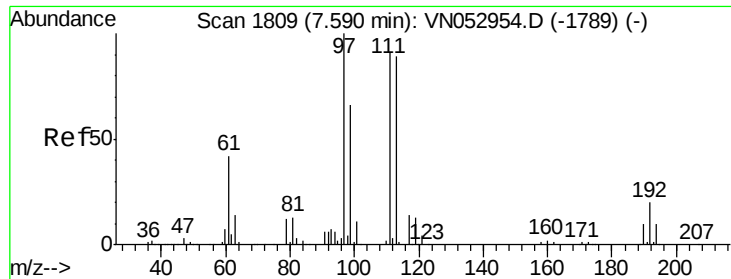
MMDadoda
 12/26/2018 10:54:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1391878		
63	19.6	0.0	39.8	
88	15.3	0.0	31.0	





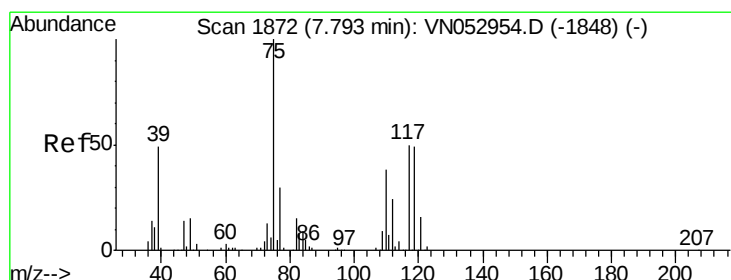
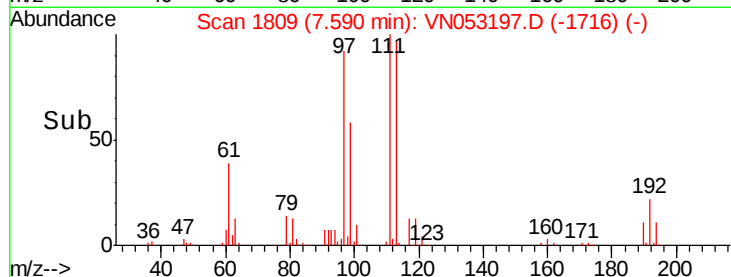
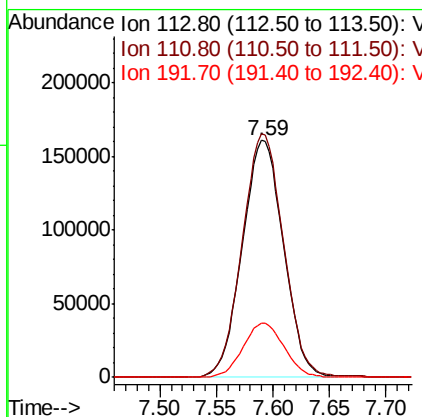
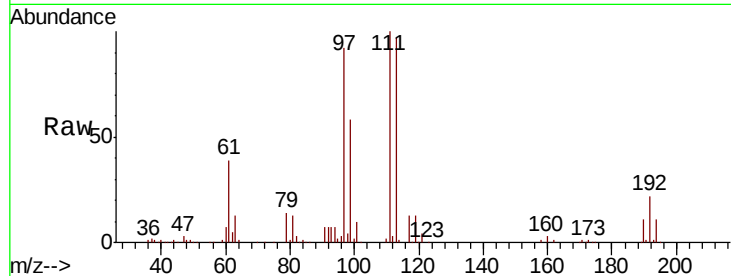
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	408031		
111	102.8	83.0	124.4	
192	22.8	17.5	26.3	

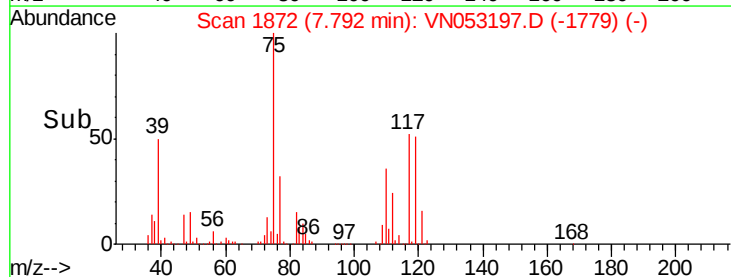
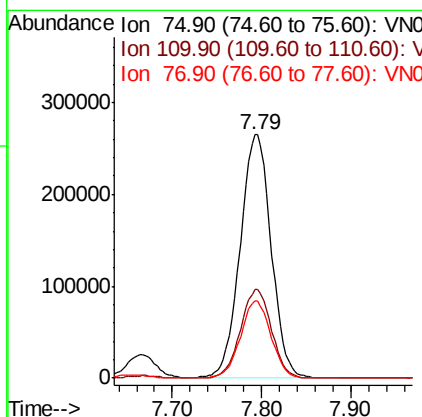
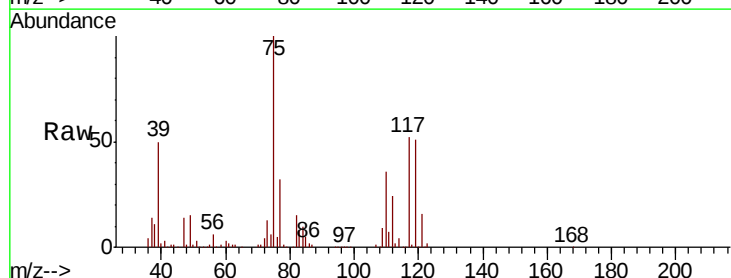
Manual Integrations
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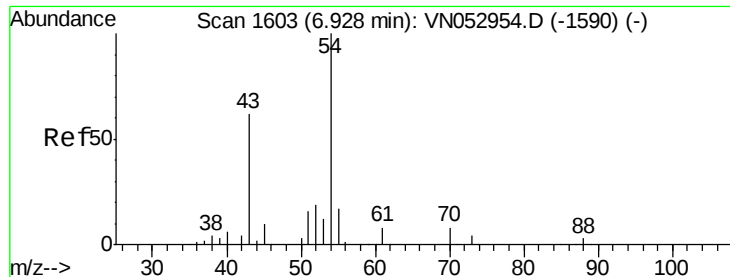
MMDadoda
 12/26/2018 10:54:03 AM



#36
 1,1-Dichloropropene
 Concen: 47.576 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	635592		
110	36.5	18.2	54.6	
77	31.6	24.9	37.3	





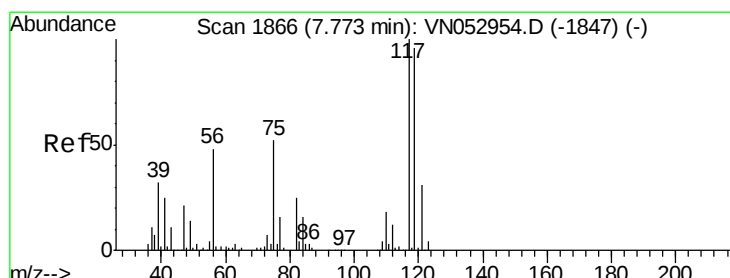
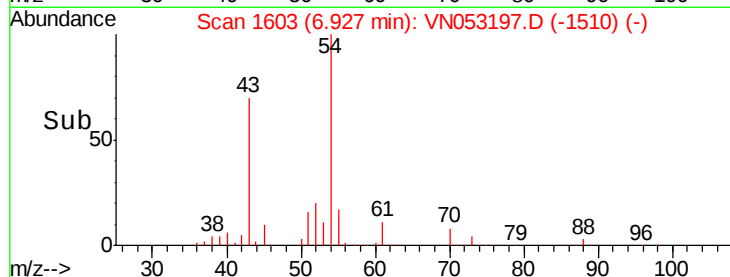
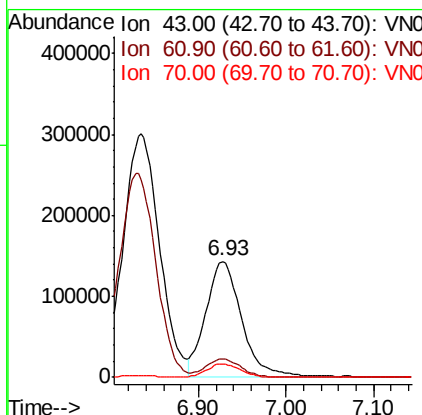
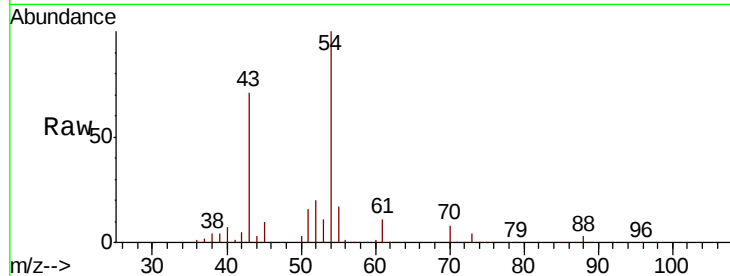
#37
Ethyl Acetate
Concen: 53.758 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.8	17.6
70	11.0	8.4	12.6

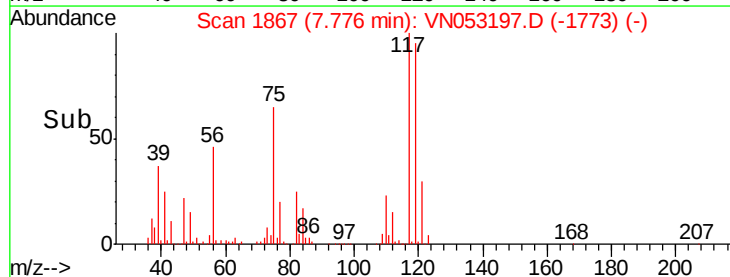
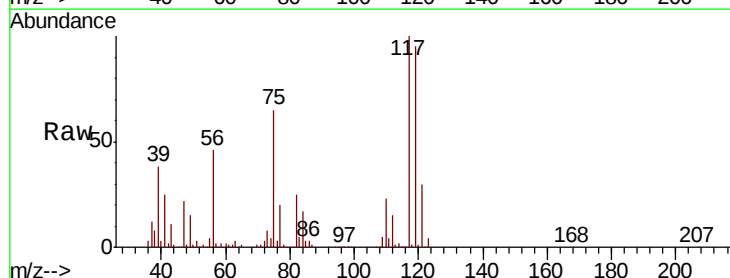
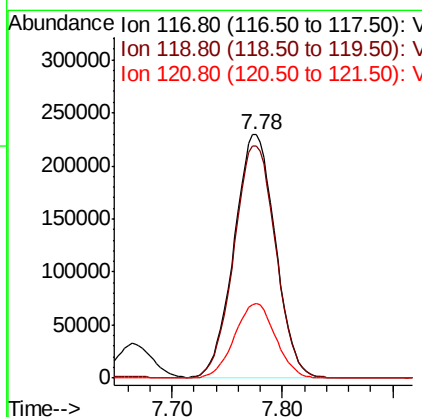
Manual Integrations
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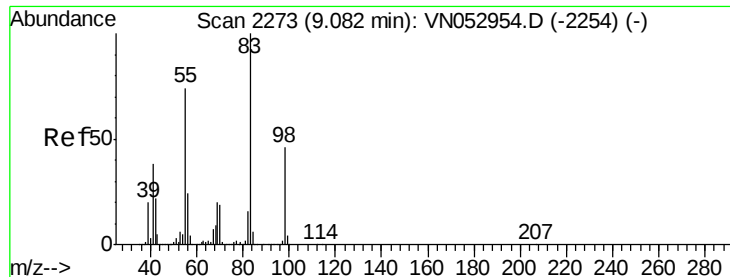
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.321 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.1	115.7
121	30.5	24.9	37.3





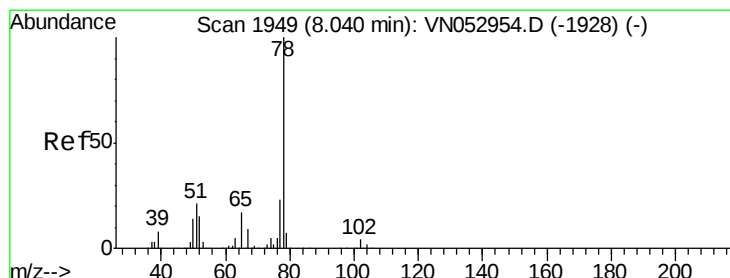
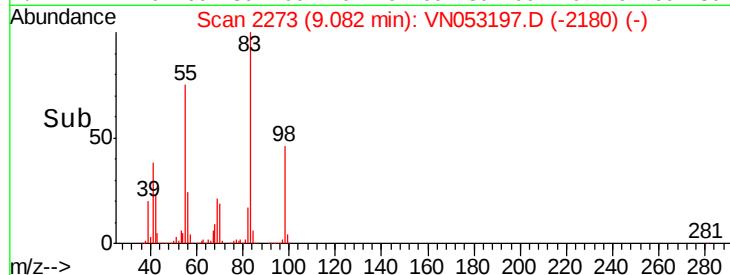
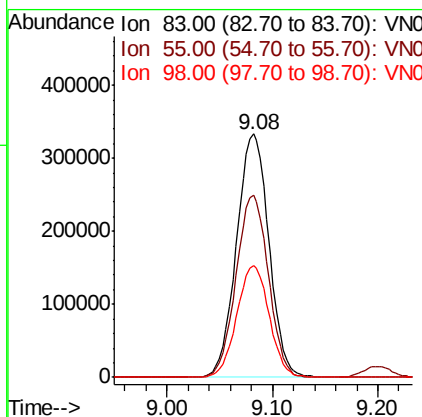
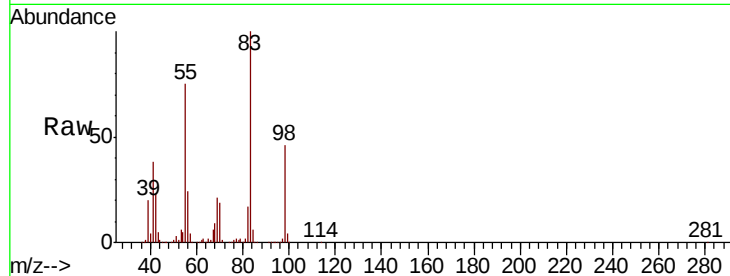
#39
Methylcyclohexane
Concen: 43.791 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	61.3	91.9
98	45.7	37.0	55.4

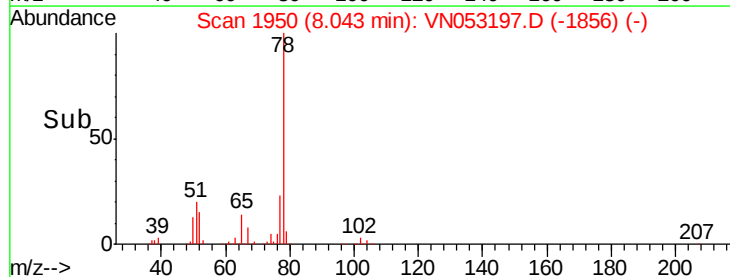
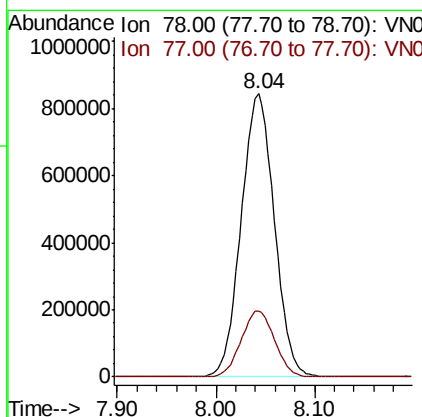
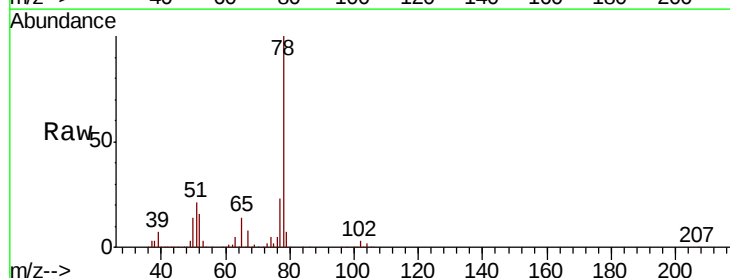
Manual Integrations
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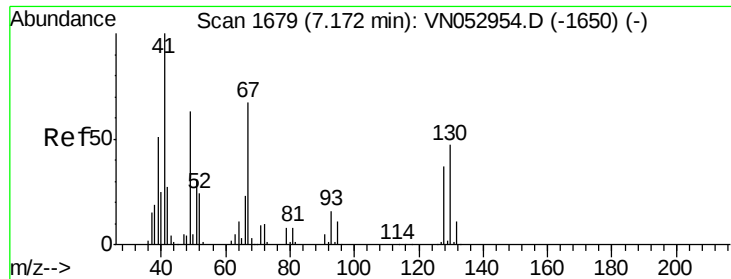
MMDadoda
12/26/2018 10:54:03 AM



#40
Benzene
Concen: 49.281 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





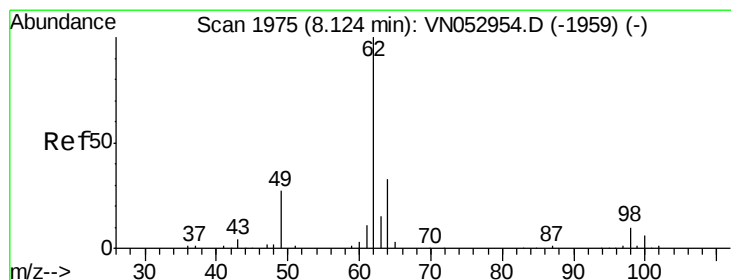
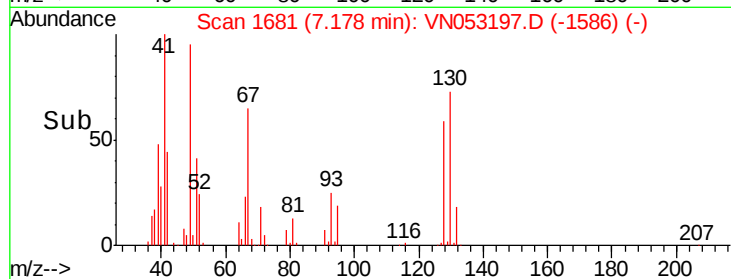
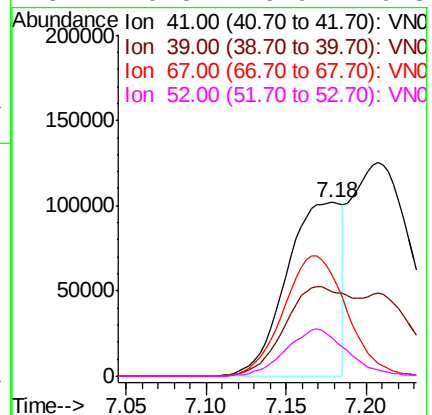
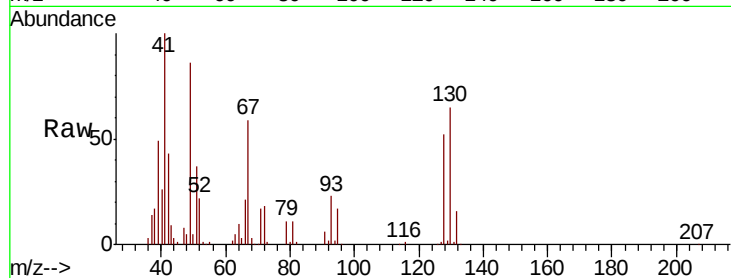
#41
Methacrylonitrile
Concen: 56.583 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.0	48.0	72.0
67	80.2	70.3	105.5
52	29.8	26.9	40.3

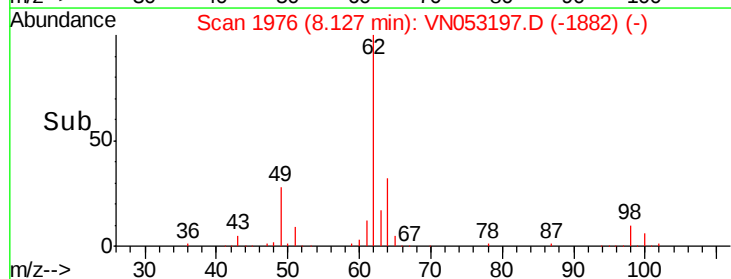
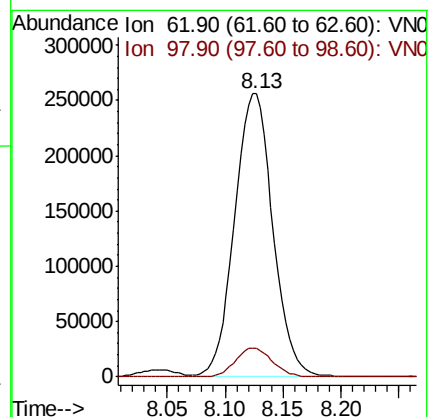
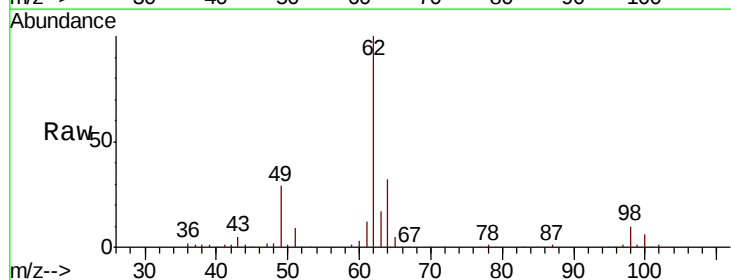
Manual Integrations
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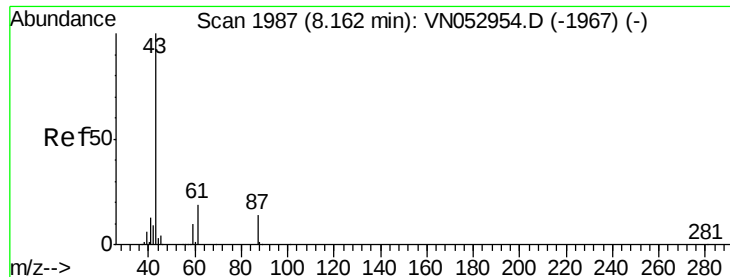
MMDadoda
12/26/2018 10:54:03 AM



#42
1,2-Dichloroethane
Concen: 49.687 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 52.230 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

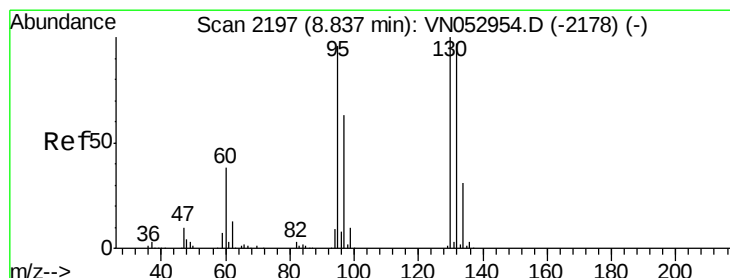
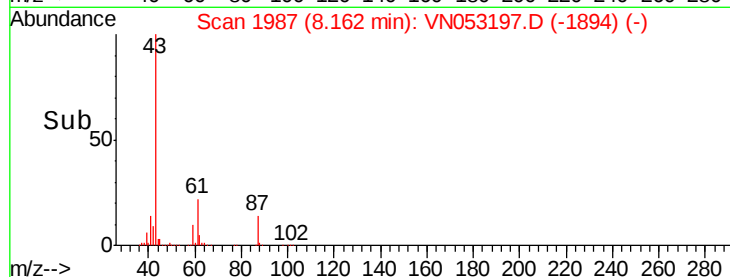
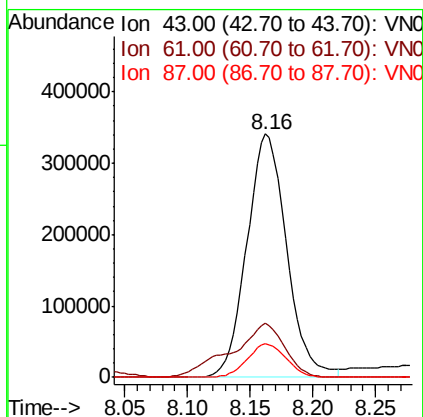
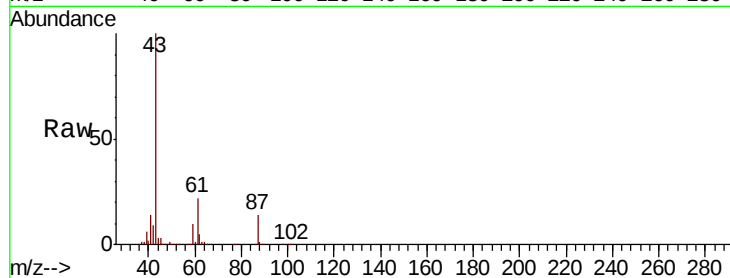
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	753147
Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.9	34.3
87	13.5	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 46.599 ug/l

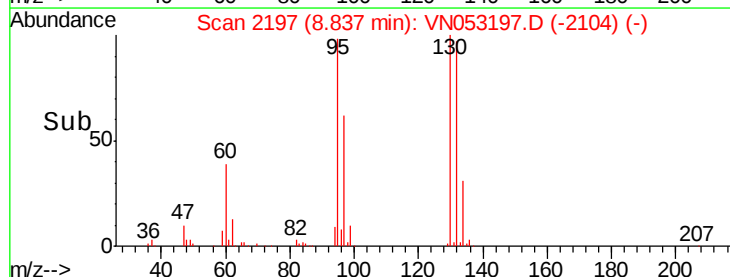
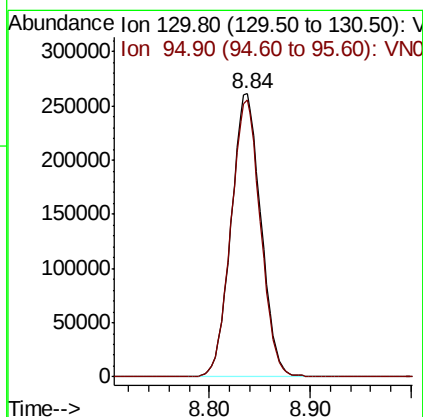
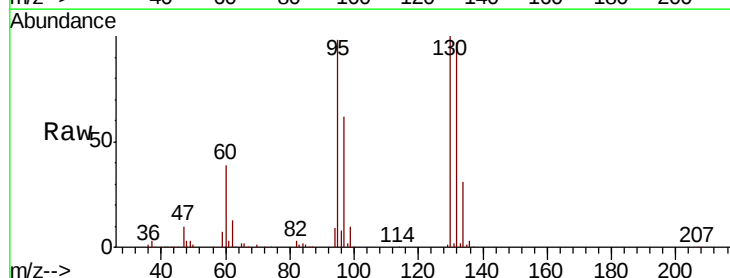
RT: 8.84 min Scan# 2197

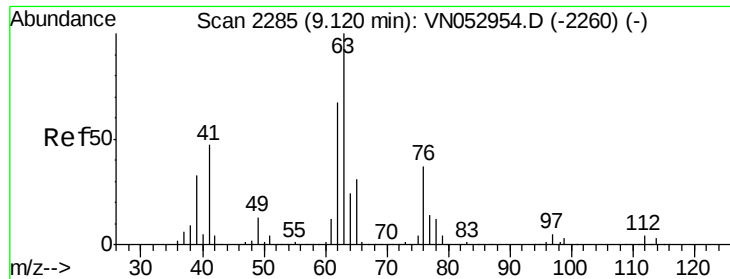
Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion:	130	Resp:	535603
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	197.8





#45

1,2-Dichloropropane

Concen: 51.062 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 528518

Ion Ratio Lower Upper

63 100

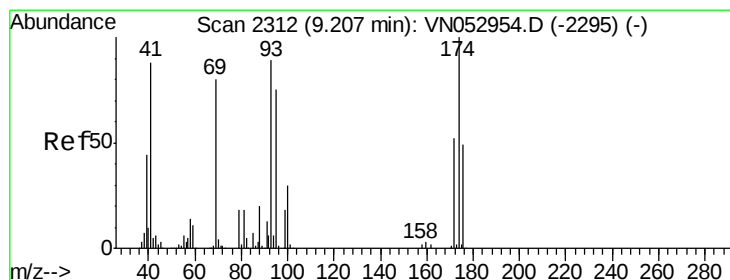
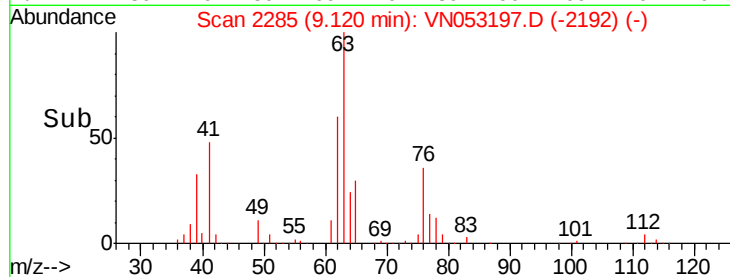
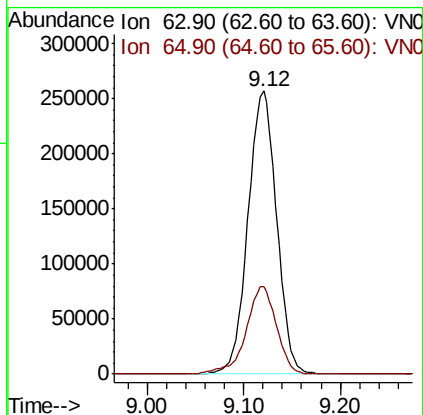
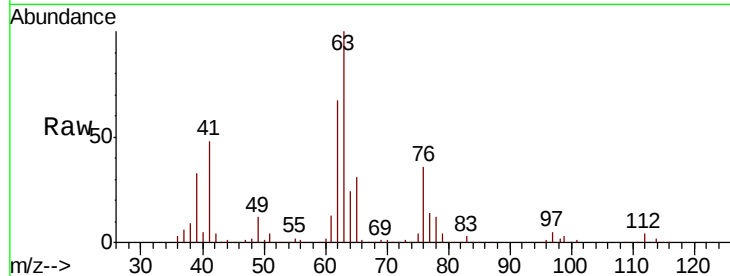
65 30.8 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 49.456 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

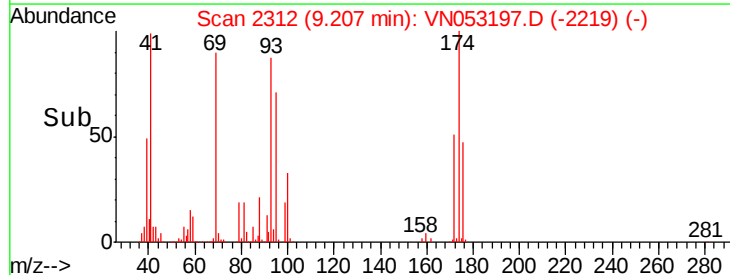
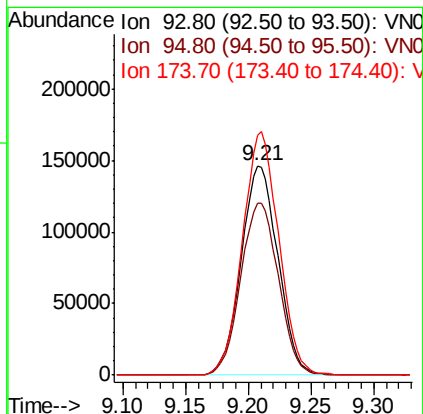
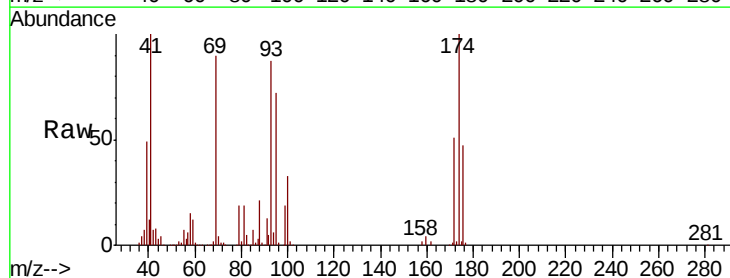
Tgt Ion: 93 Resp: 298202

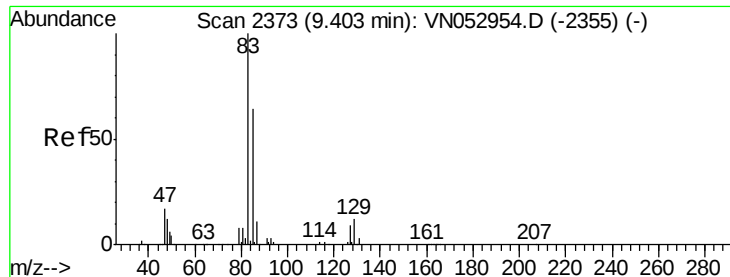
Ion Ratio Lower Upper

93 100

95 84.4 67.8 101.6

174 115.2 89.0 133.4





#47

Bromodichloromethane

Concen: 50.060 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

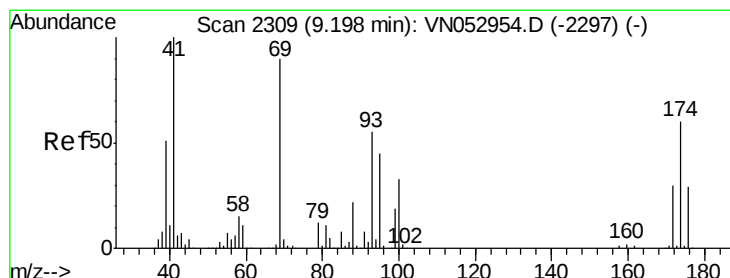
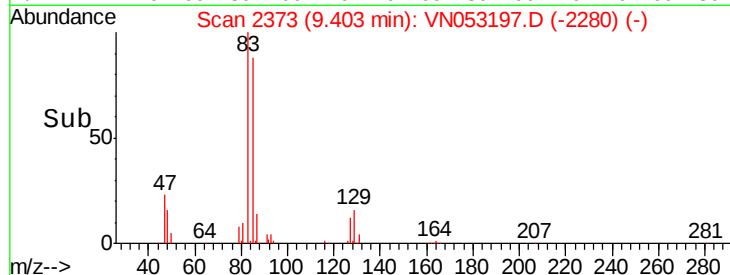
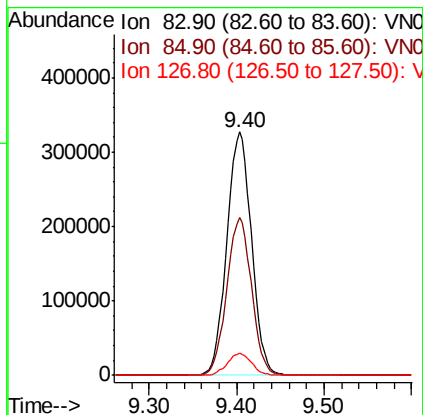
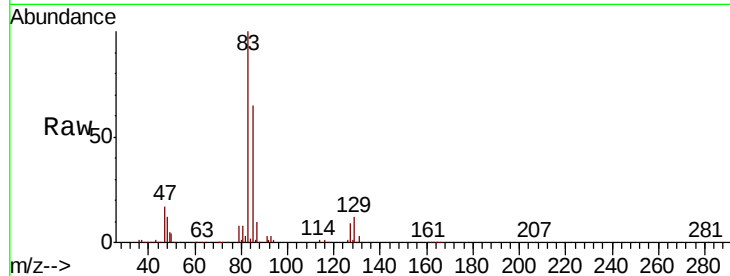
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	641622
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.6	77.4
127	9.0	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.857 ug/l

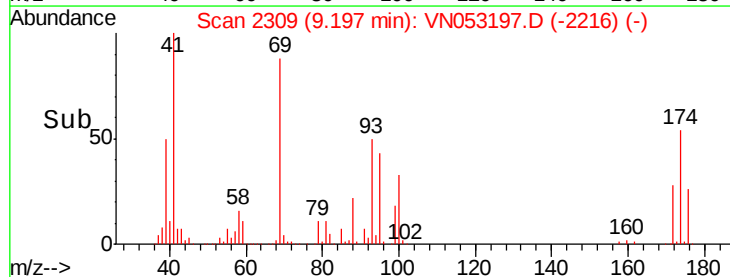
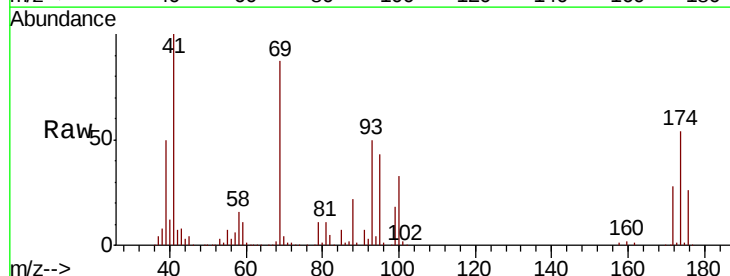
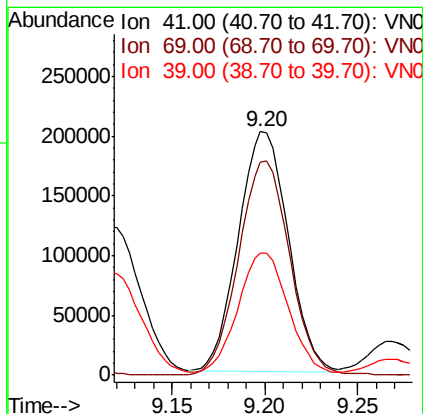
RT: 9.20 min Scan# 2309

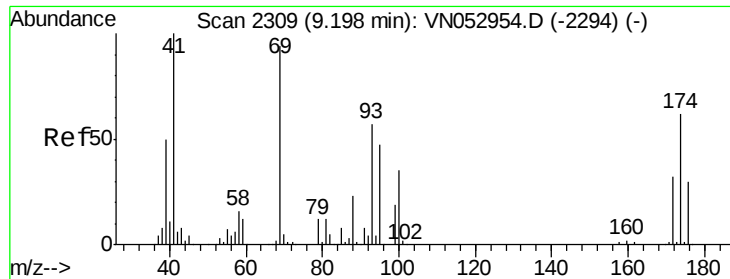
Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion:	41	Resp:	375293
Ion Ratio	Lower	Upper	
41	100		
69	91.8	72.2	108.2
39	52.1	41.9	62.9





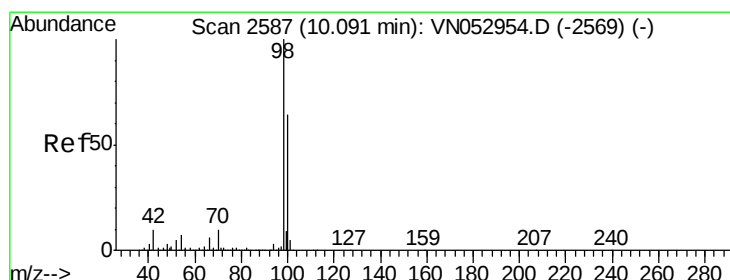
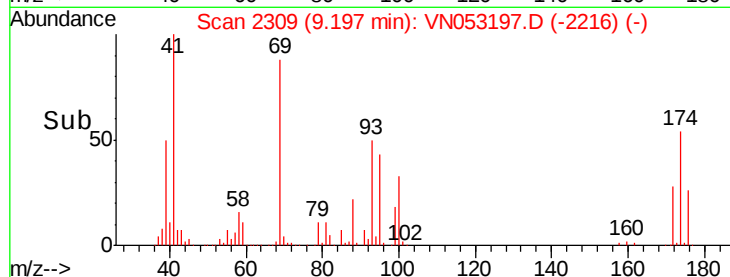
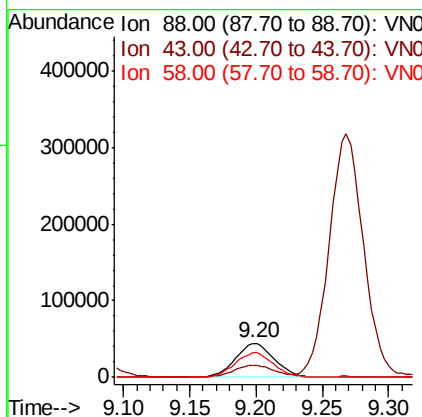
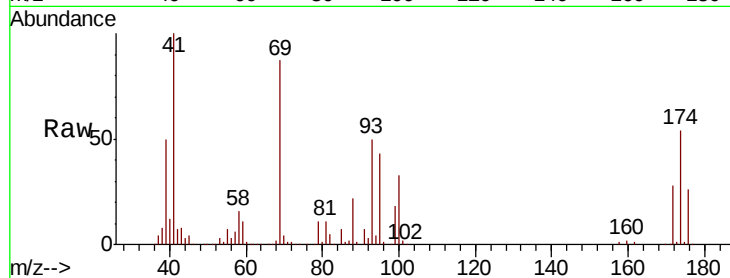
#49
1,4-Dioxane
Concen: 995.487 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	91132
Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.6	40.0
58	70.9	58.4	87.6

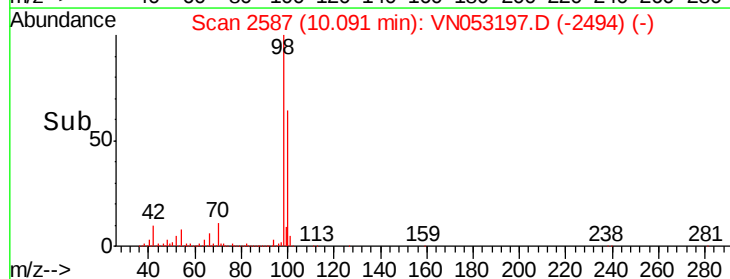
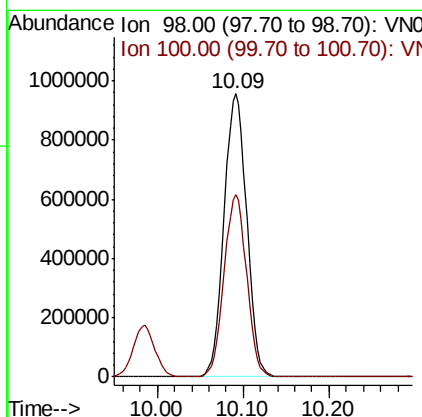
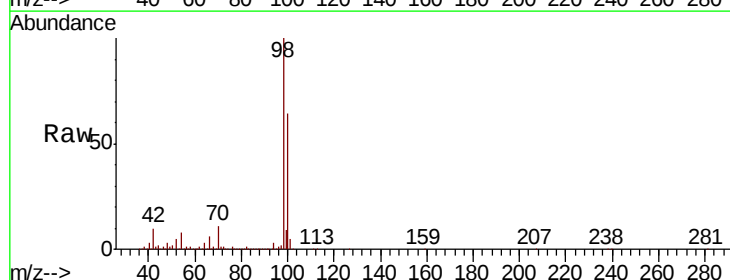
Manual Integrations
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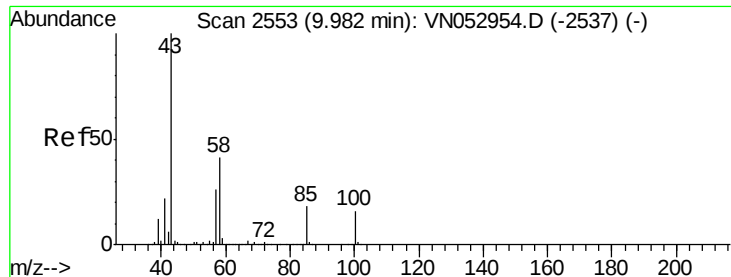
MMDadoda
12/26/2018 10:54:03 AM



#50
Toluene-d8
Concen: 995.487 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion	98	Resp	1751856
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 274.623 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1983457

Ion Ratio Lower Upper

43 100

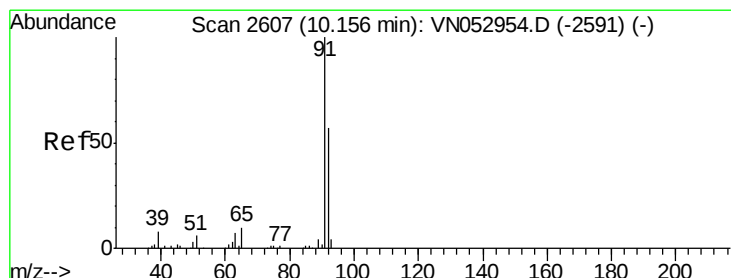
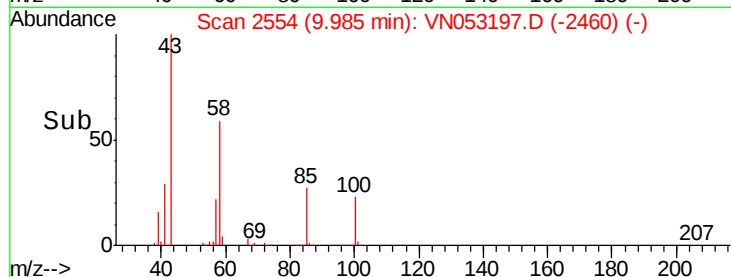
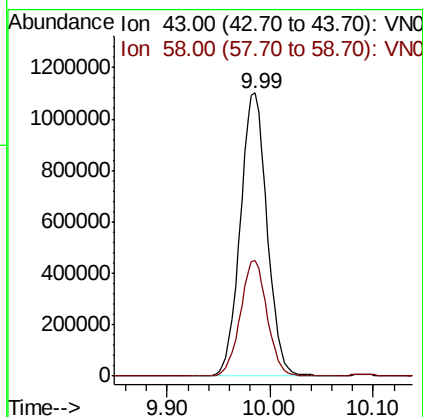
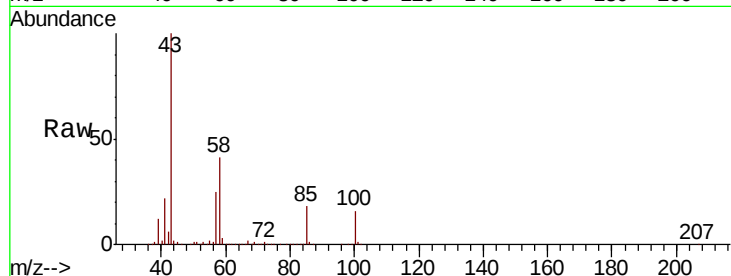
58 40.8 32.2 48.4

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#52

Toluene

Concen: 49.164 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053197.D

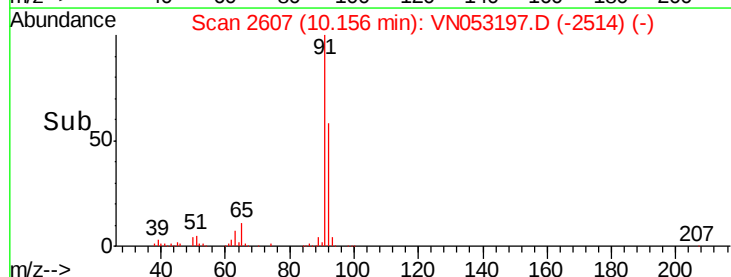
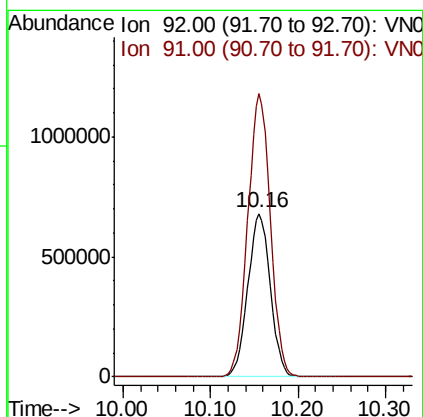
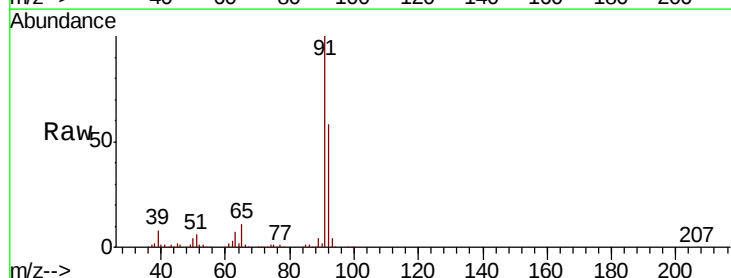
Acq: 24 Dec 2018 20:33

Tgt Ion: 92 Resp: 1210948

Ion Ratio Lower Upper

92 100

91 174.6 139.8 209.6





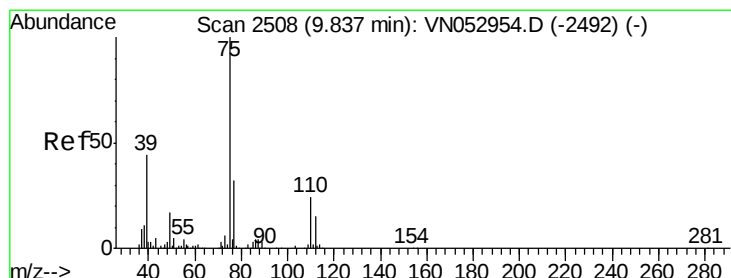
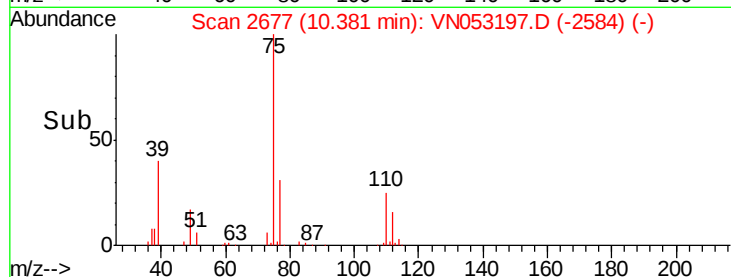
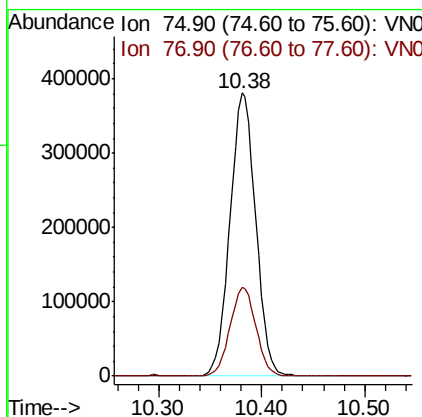
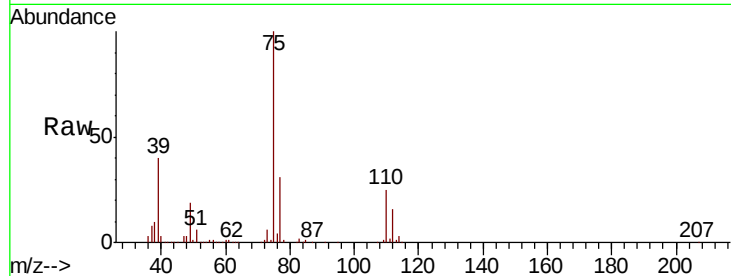
#53
 t-1,3-Dichloropropene
 Concen: 49.160 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 662568
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.6 38.4

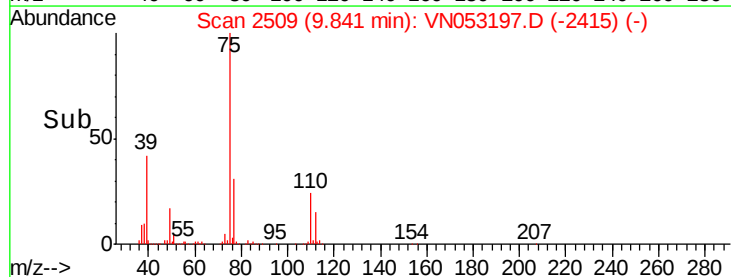
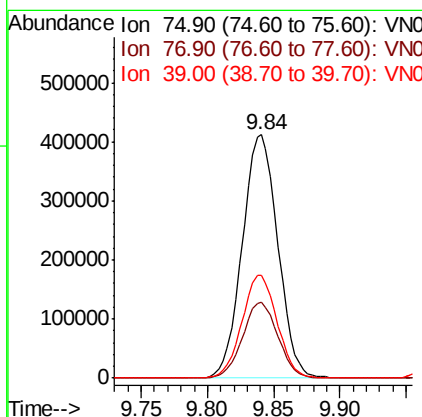
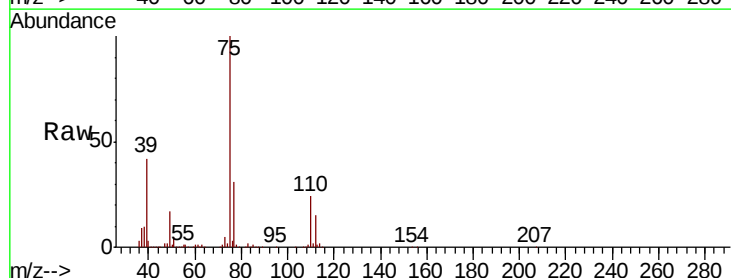
Manual Integrations
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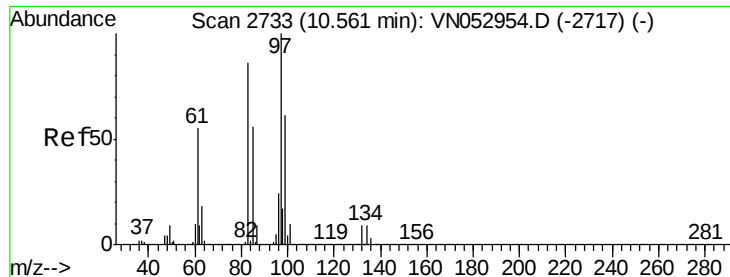
MMDadoda
 12/26/2018 10:54:03 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.608 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion: 75 Resp: 767442
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.8 38.8
 39 42.0 34.8 52.2





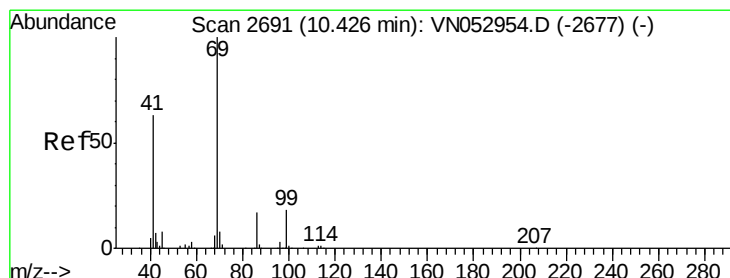
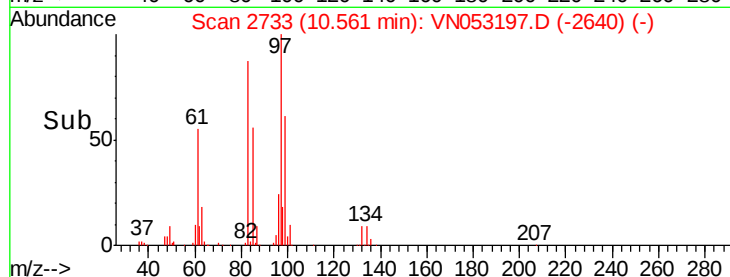
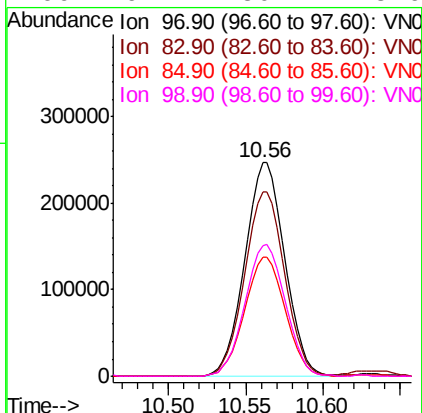
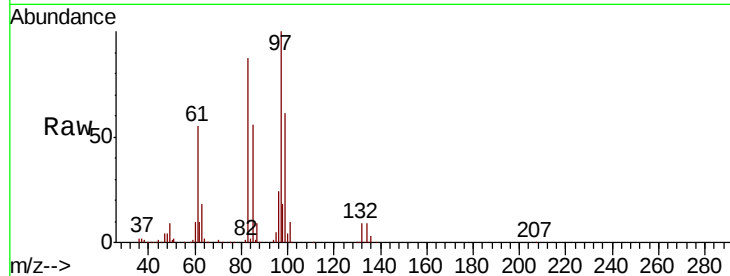
#55
 1,1,2-Trichloroethane
 Concen: 51.548 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	442949
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.9	106.3
85	55.8	45.4	68.2
99	61.4	50.4	75.6

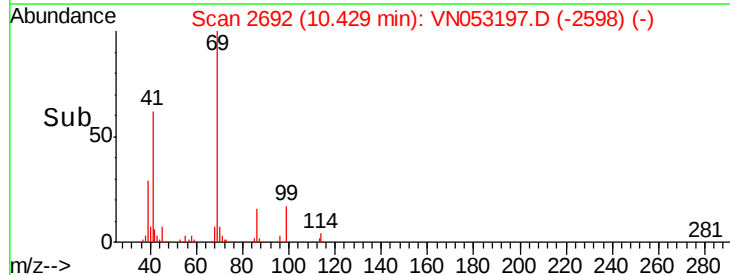
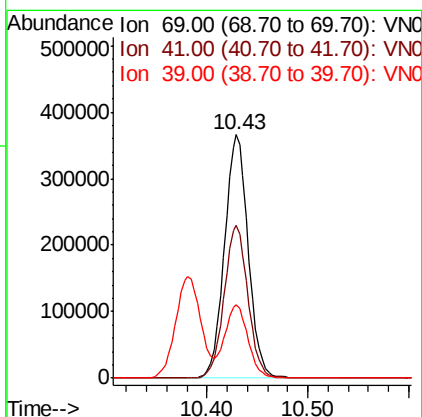
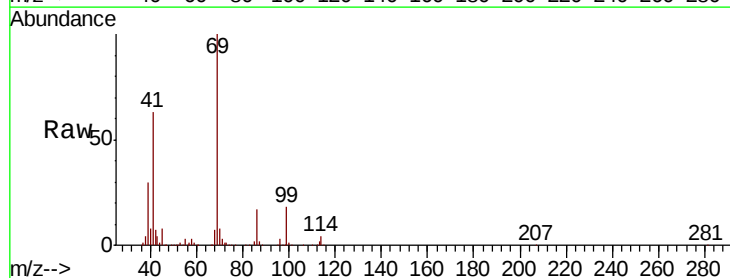
Manual Integrations
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 12/26/2018 10:54:03 AM



#56
 Ethyl methacrylate
 Concen: 52.818 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion:	69	Resp:	600719
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.7	77.5
39	29.6	24.6	37.0





#57

1,3-Dichloropropane

Concen: 51.650 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 761079

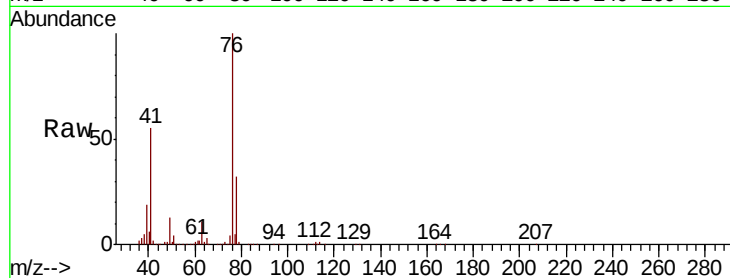
Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-2762) (-)

10.71

400000

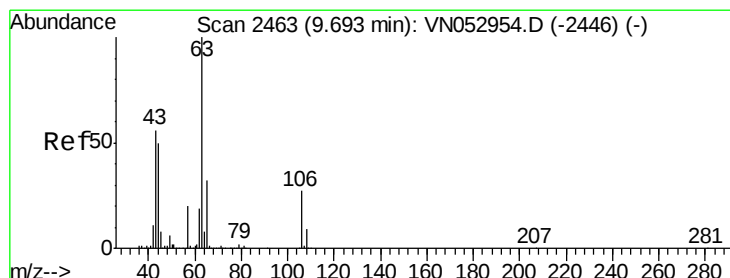
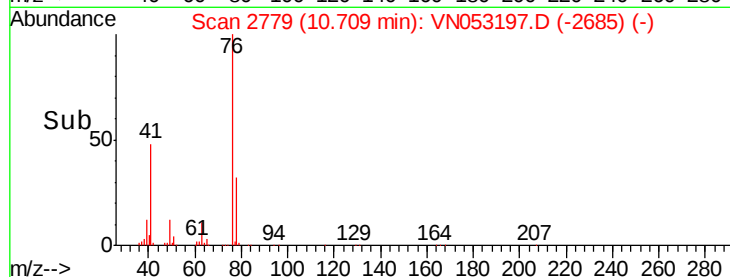
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 263.299 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053197.D

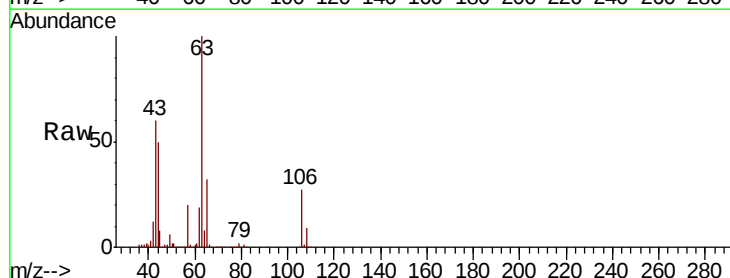
Acq: 24 Dec 2018 20:33

Tgt Ion: 63 Resp: 1644042

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN052954.D (-2446) (-)

9.70

1000000

800000

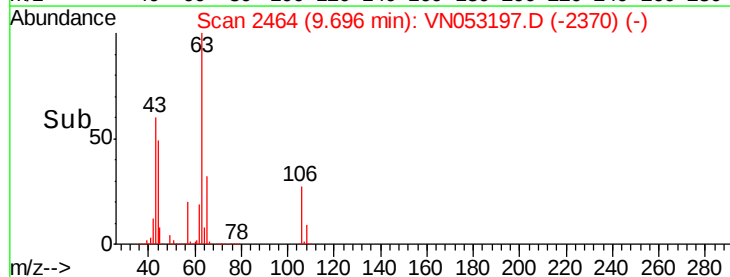
600000

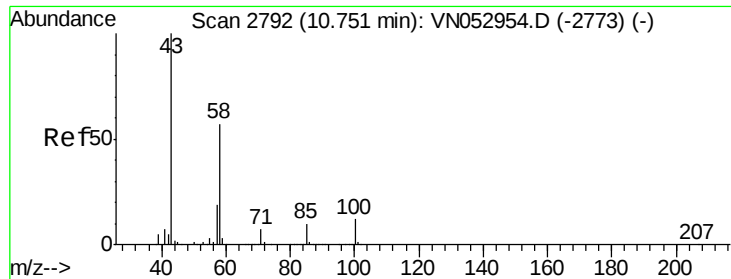
400000

200000

0

Time-->





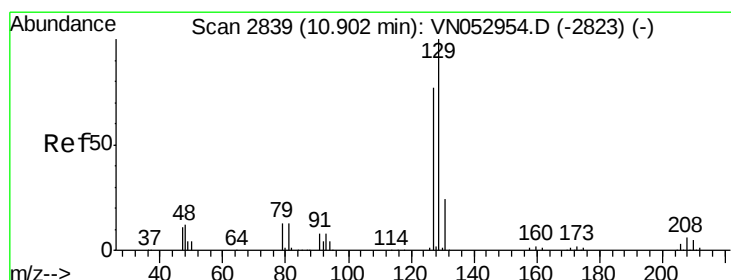
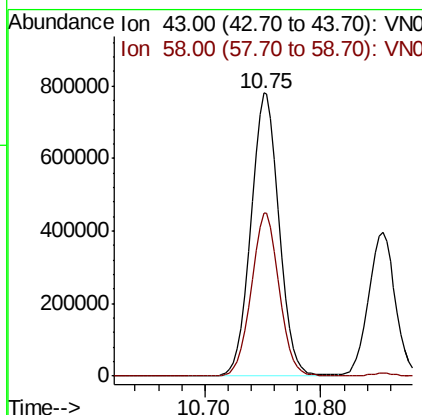
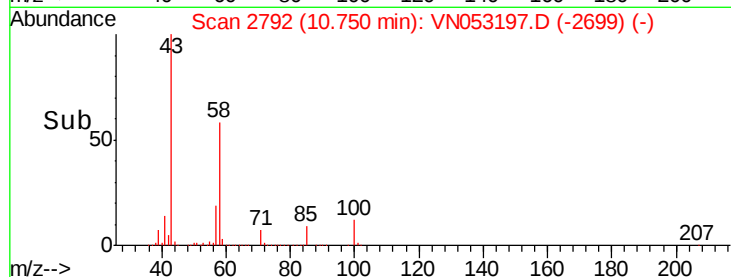
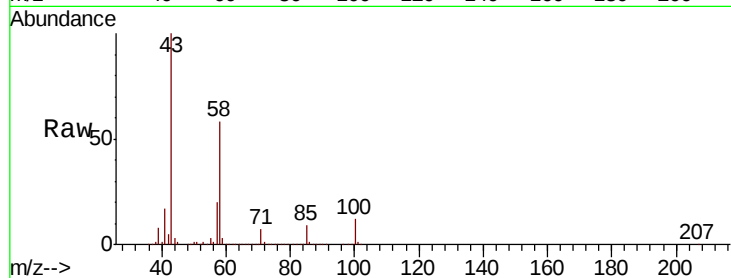
#59
2-Hexanone
Concen: 270.577 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1322201
Ion Ratio Lower Upper
43 100
58 57.3 28.1 84.3

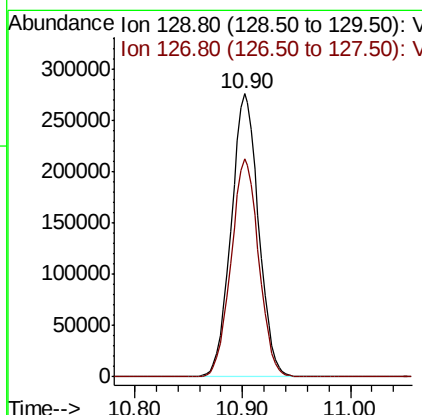
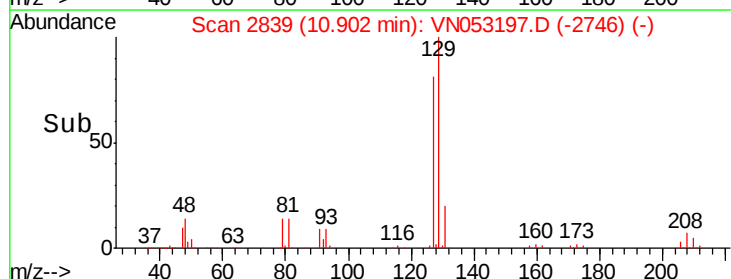
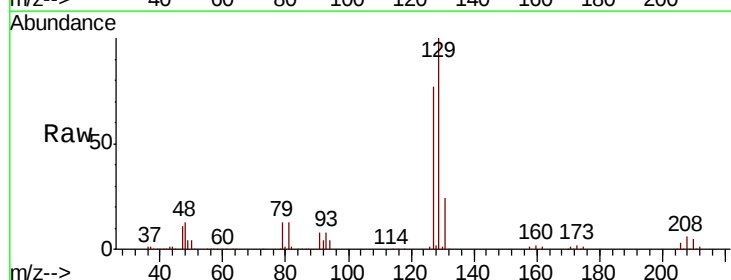
Manual Integrations
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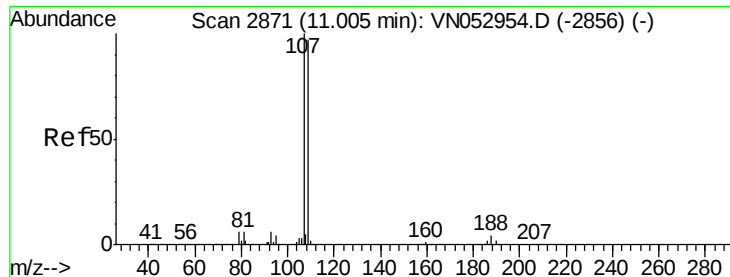
MMDadoda
12/26/2018 10:54:03 AM



#60
Dibromochloromethane
Concen: 49.661 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 129 Resp: 488468
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.171 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 437837

Ion Ratio Lower Upper

107 100

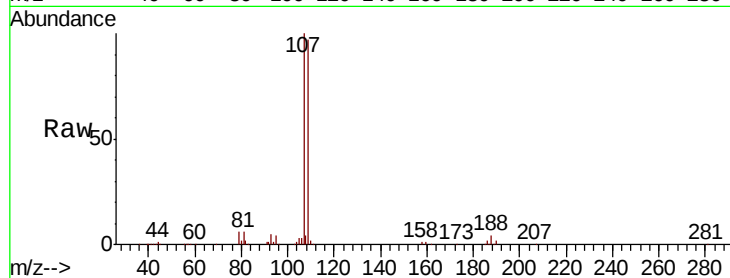
109 94.9 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

250000

200000

150000

100000

50000

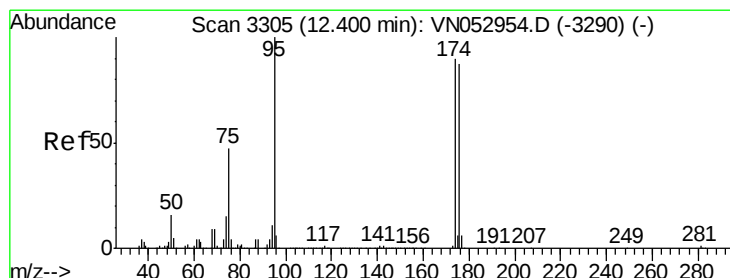
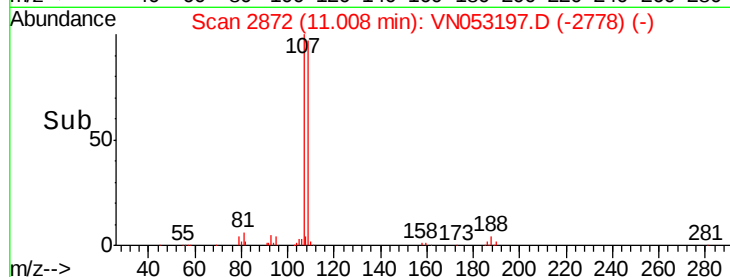
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 50.171 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

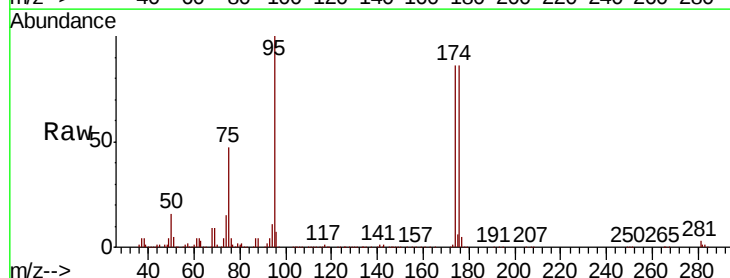
Tgt Ion: 95 Resp: 611215

Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.8

176 87.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

300000

200000

100000

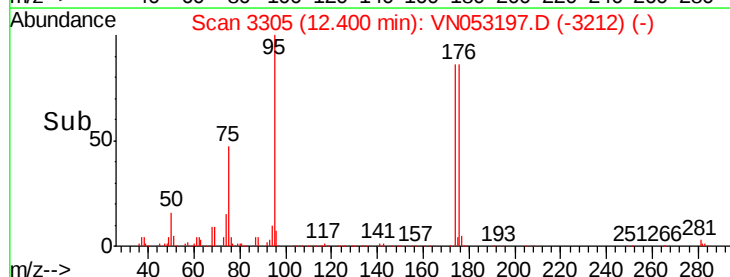
0

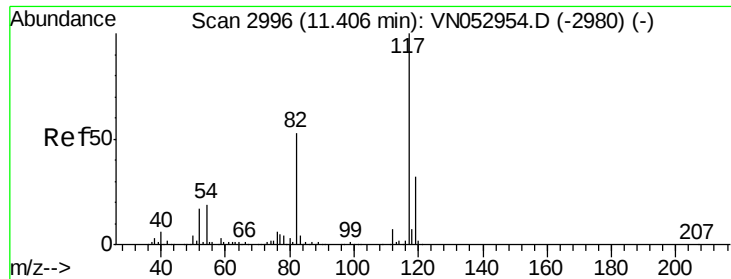
Time-->

12.35

12.40

12.45





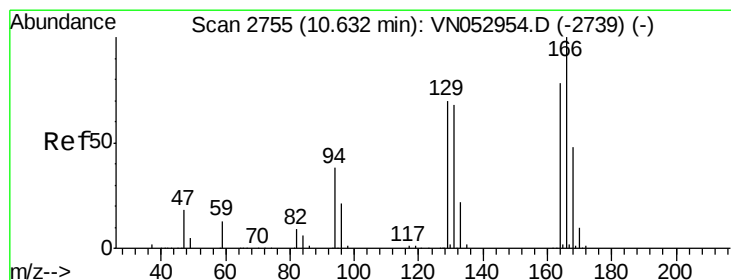
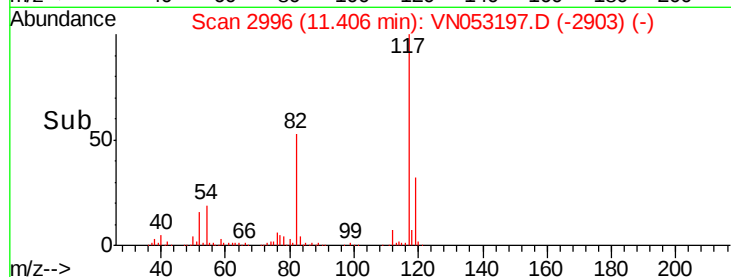
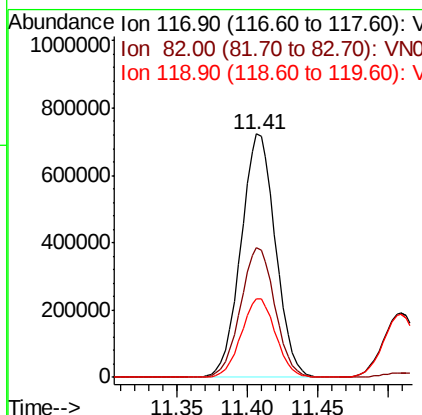
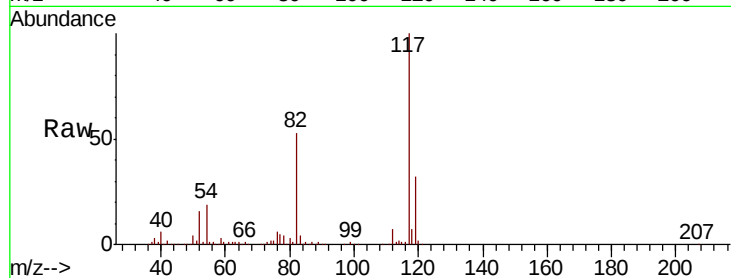
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.8	64.2
119	32.3	25.5	38.3

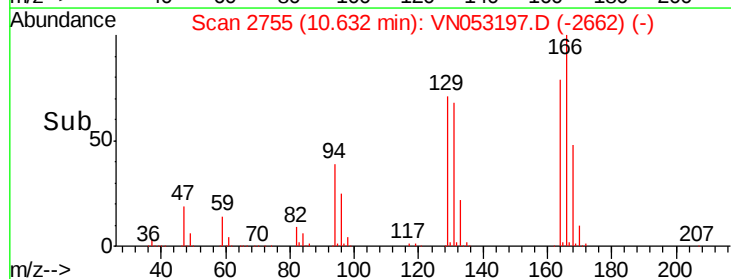
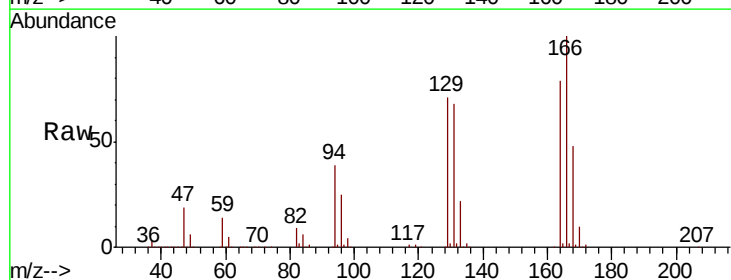
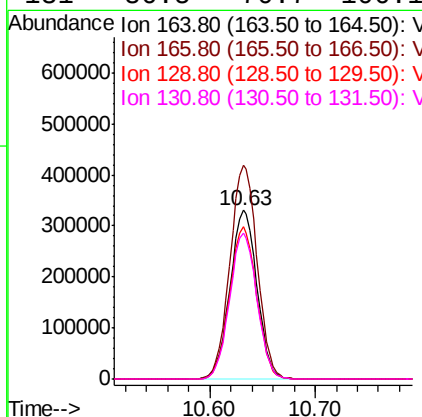
Manual Integrations
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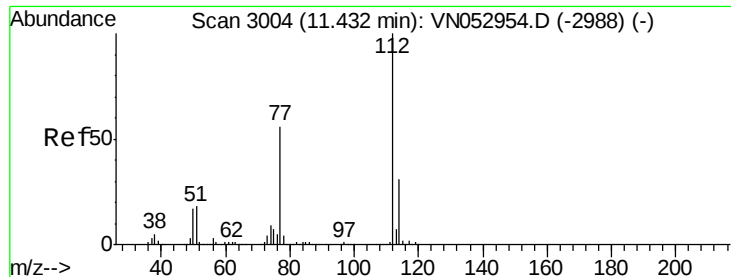
MMDadoda
12/26/2018 10:54:03 AM



#64
Tetrachloroethene
Concen: 43.374 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.9	154.3
129	90.0	73.7	110.5
131	86.5	70.7	106.1





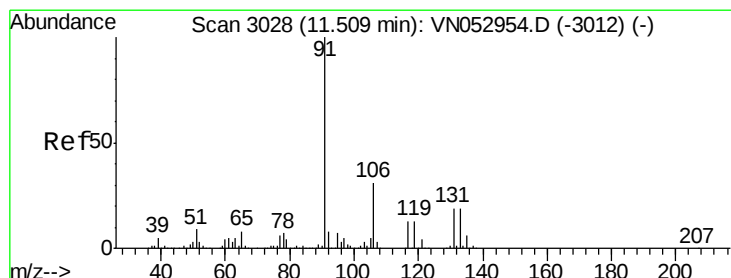
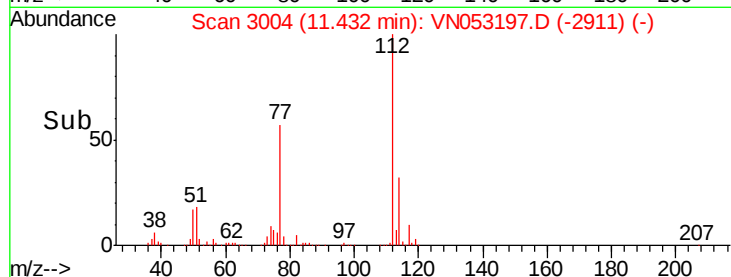
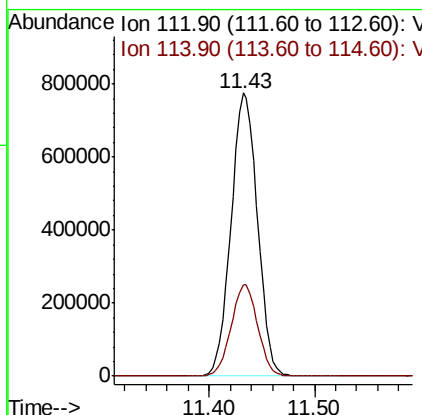
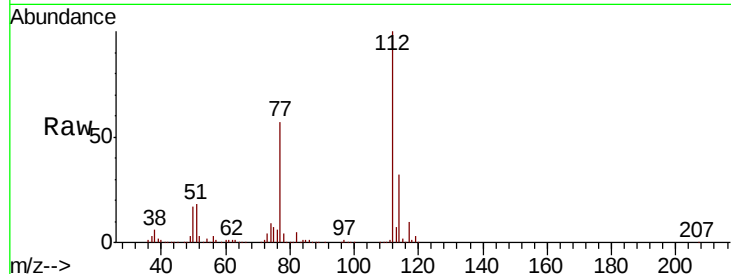
#65
Chlorobenzene
Concen: 48.767 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1340616
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3

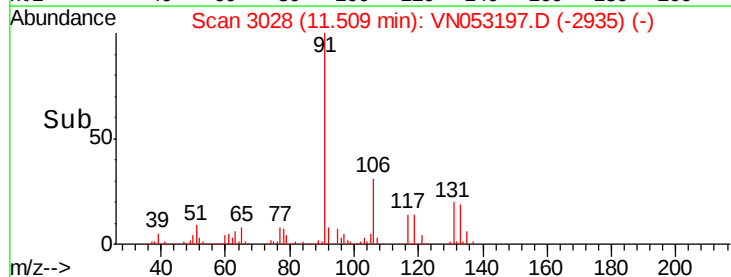
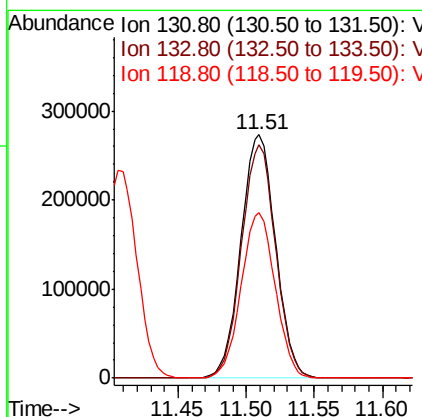
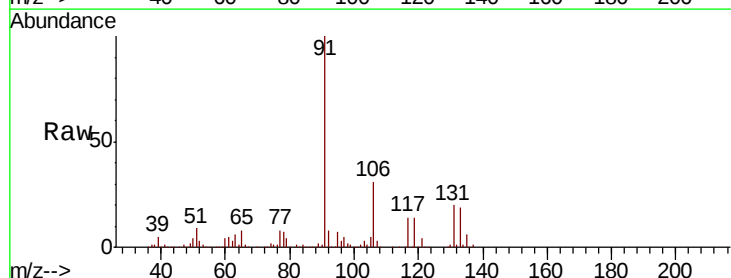
Manual Integrations
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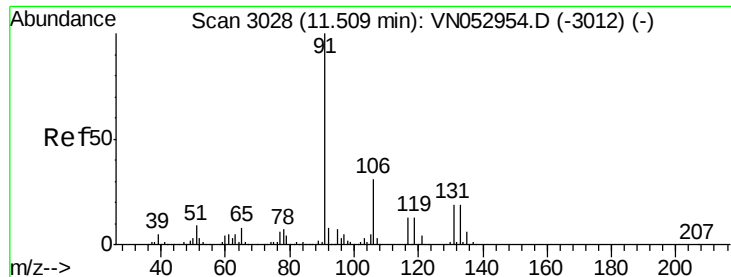
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.288 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion:131 Resp: 480738
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 67.1 33.3 99.8





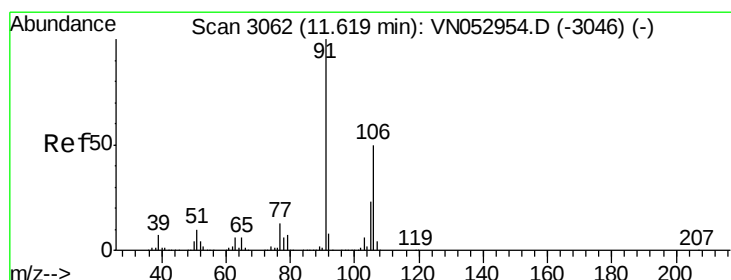
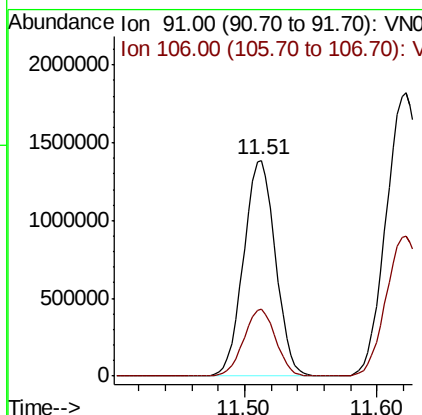
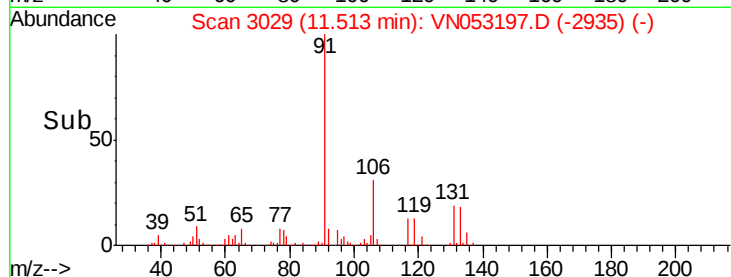
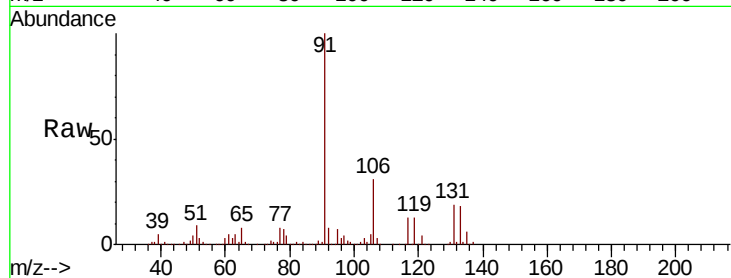
#67
Ethyl Benzene
Concen: 48.866 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2310225
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3

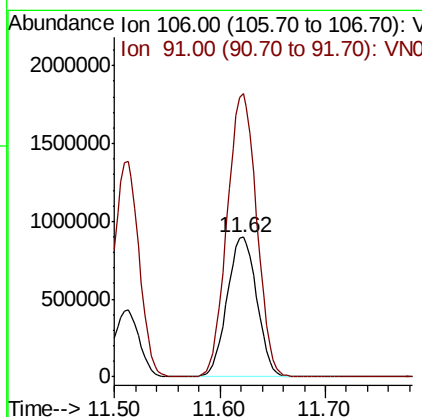
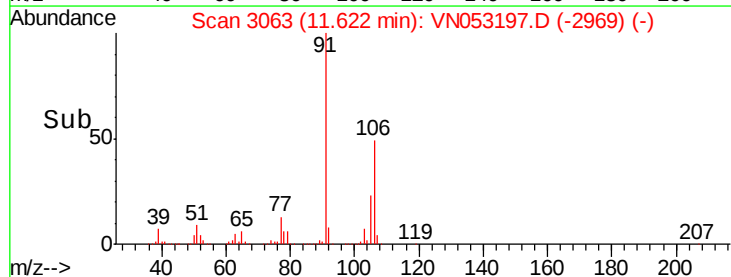
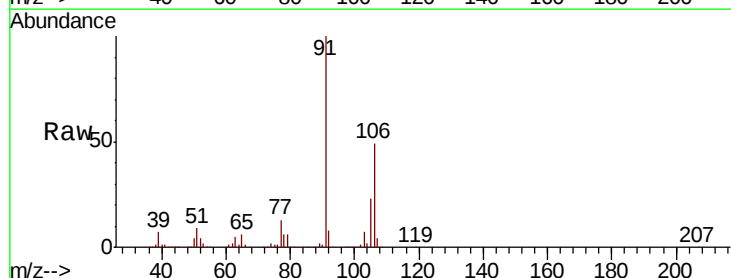
Manual Integrations
APPROVED

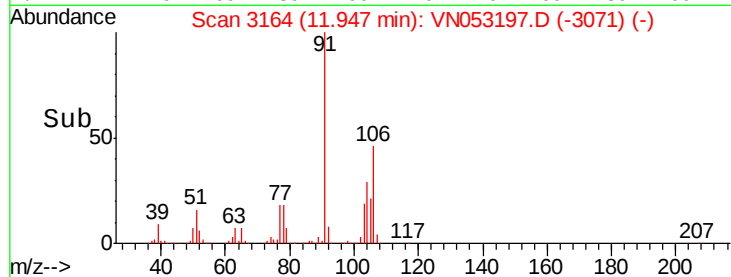
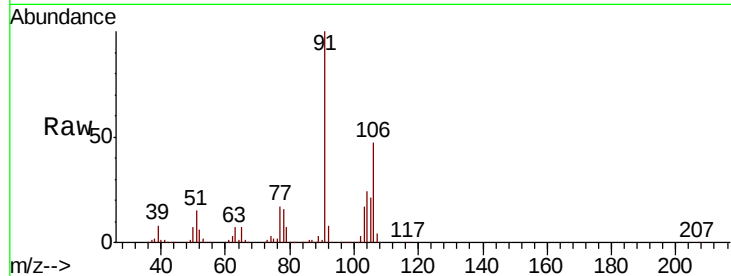
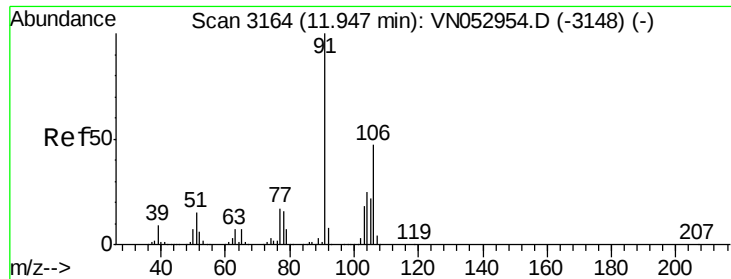
MMDadoda
12/26/2018 10:54:03 AM



#68
m/p-Xylenes
Concen: 97.203 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 106 Resp: 1746973
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.4





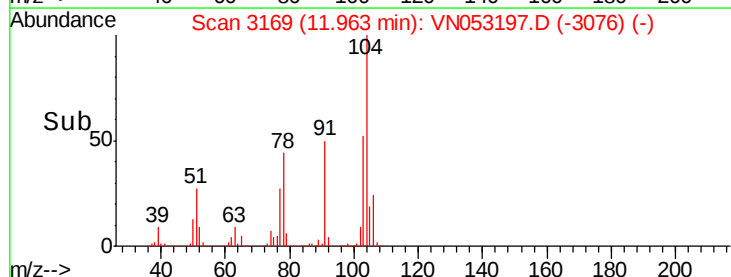
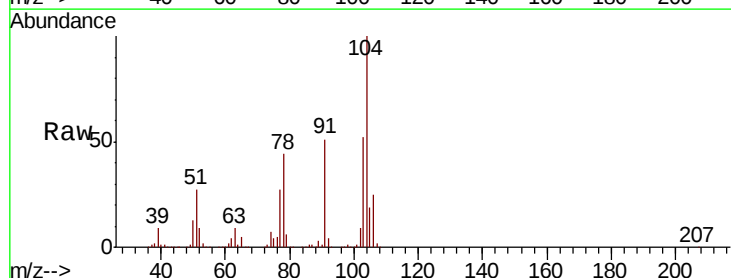
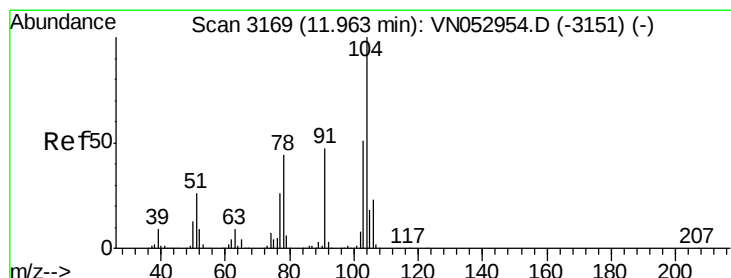
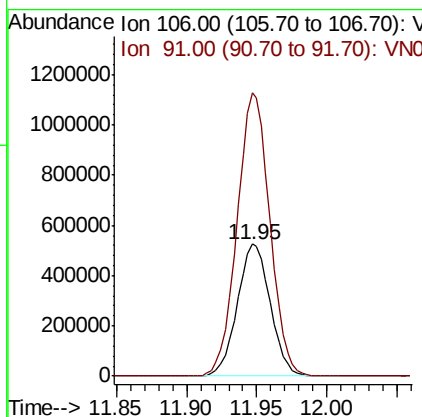
#69
o-Xylene
Concen: 49.743 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tot Ion:106 Resp: 857862
Ion Ratio Lower Upper
106 100
91 213.3 106.6 319.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

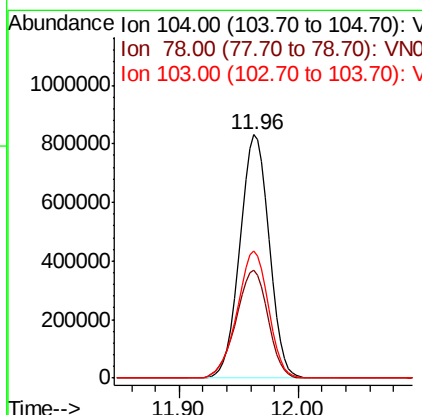
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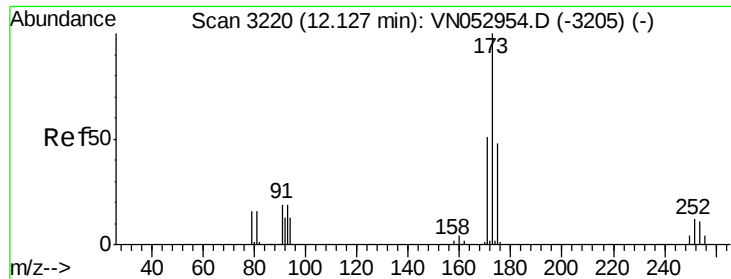
MMDadoda
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#70
Styrene
Concen: 50.280 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion:104 Resp: 1413960
Ion Ratio Lower Upper
104 100
78 48.6 38.9 58.3
103 55.8 44.3 66.5





#71

Bromoform

Concen: 49.348 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 340799

Ion Ratio Lower Upper

173 100

175 48.4 24.3 72.9

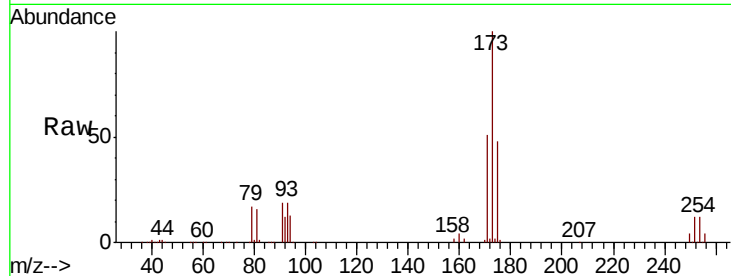
254 0.2 0.1 0.1#

Manual Integrations

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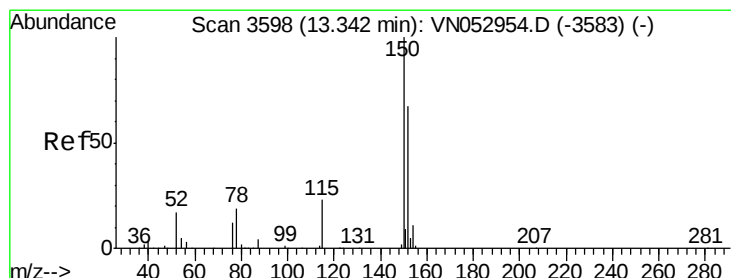
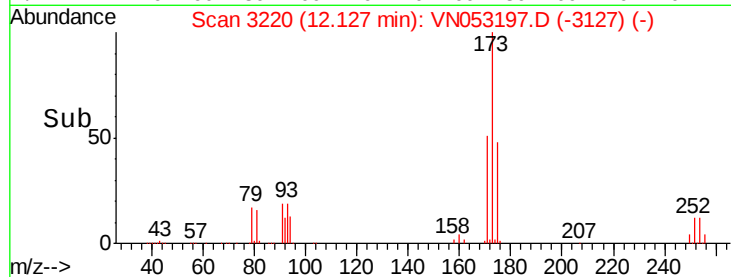
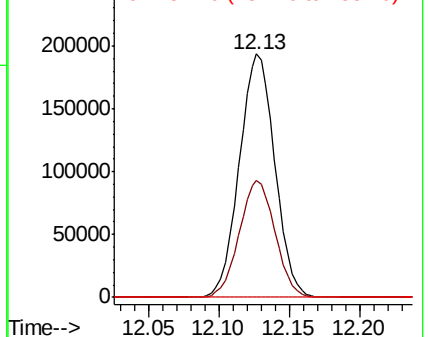


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

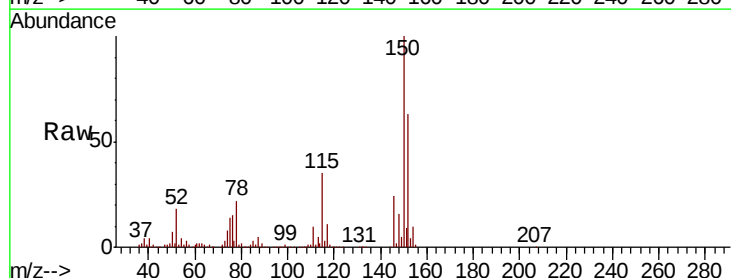
Tgt Ion:152 Resp: 588263

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

150 174.1 0.0 347.8

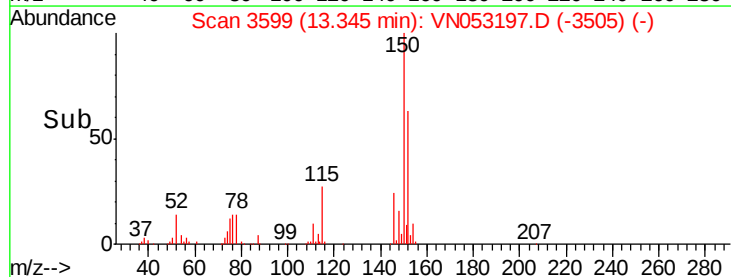
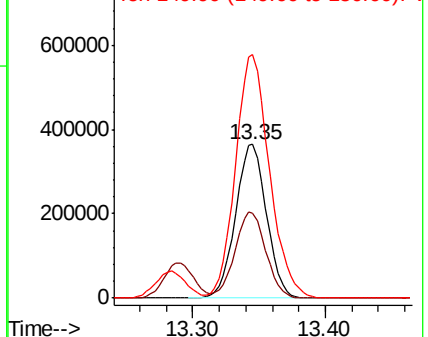


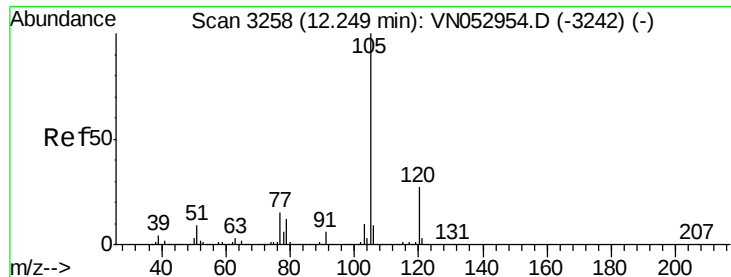
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





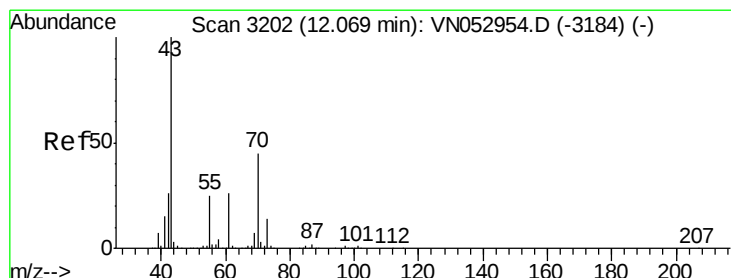
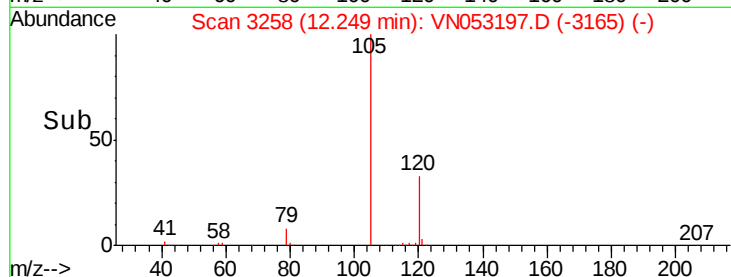
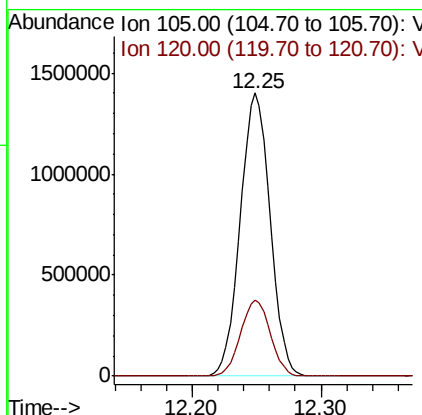
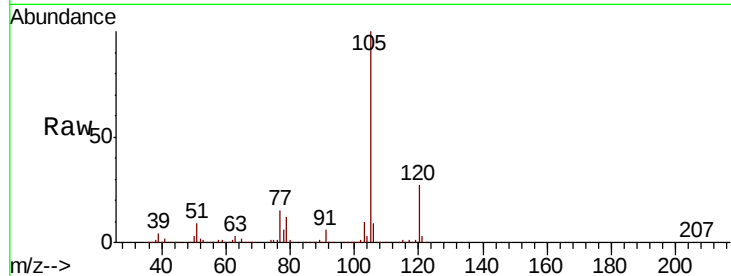
#73
Isopropylbenzene
Concen: 49.010 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 2255760
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9

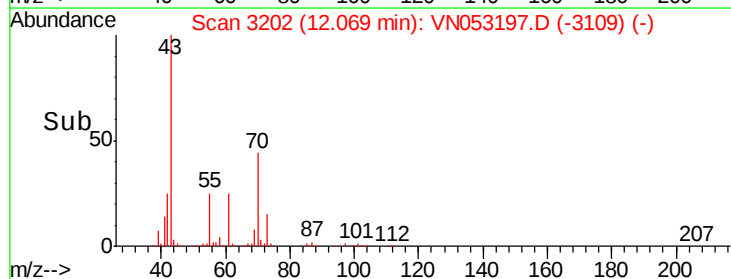
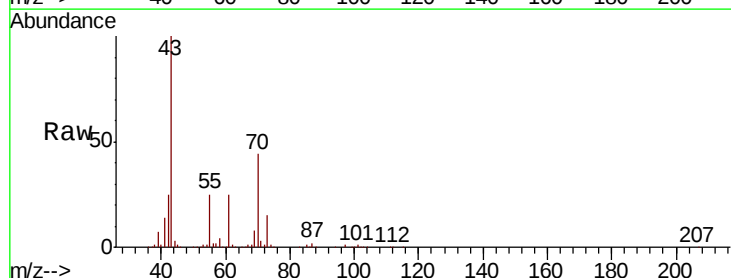
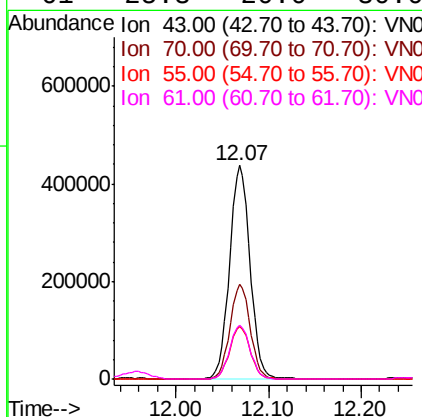
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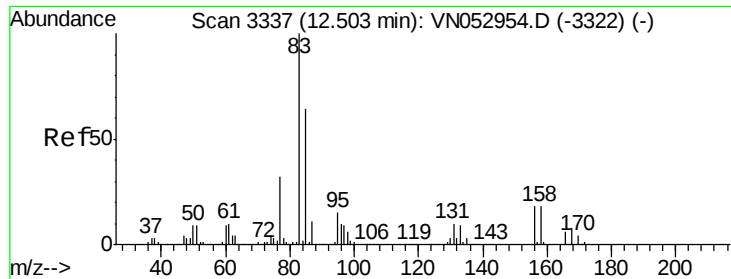
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#74
N-ethyl acetate
Concen: 52.231 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 43 Resp: 667437
Ion Ratio Lower Upper
43 100
70 44.0 34.2 51.4
55 24.9 20.3 30.5
61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.281 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

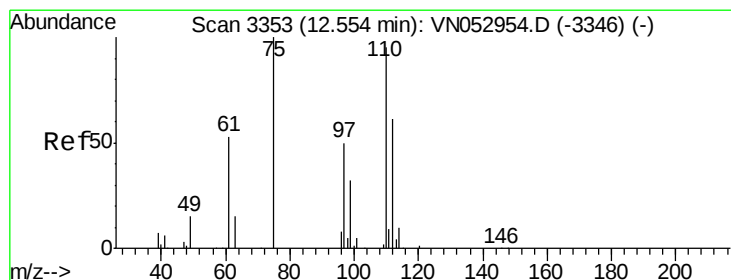
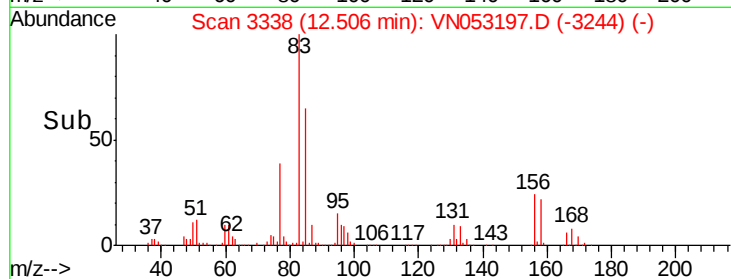
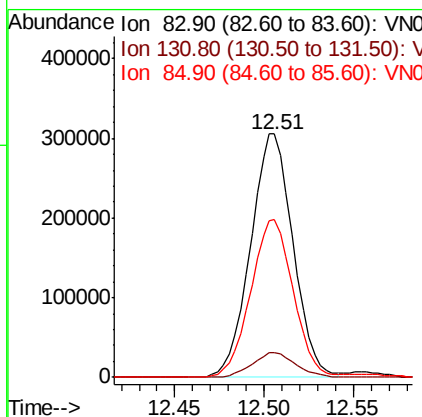
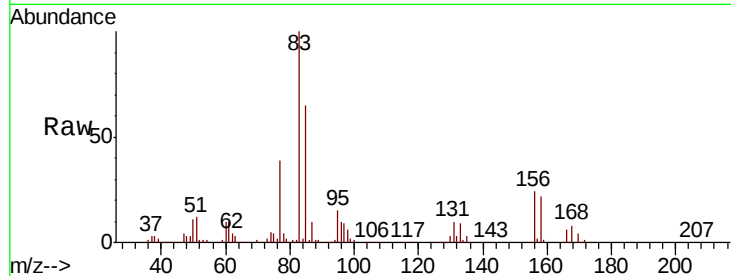
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	508204
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	65.0	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 48.750 ug/l m

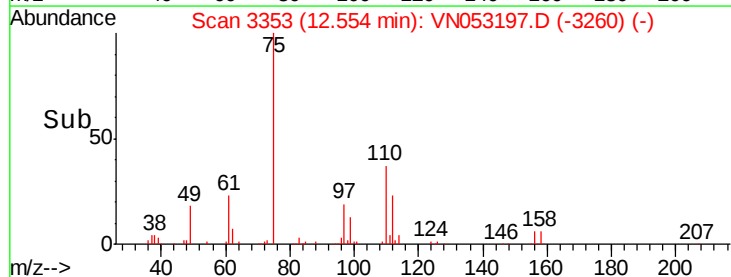
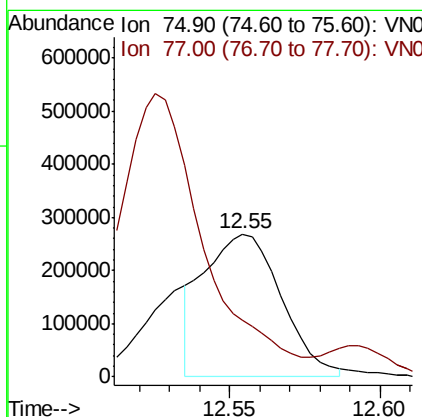
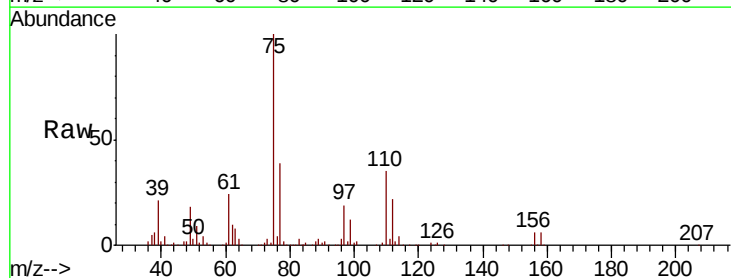
RT: 12.55 min Scan# 3353

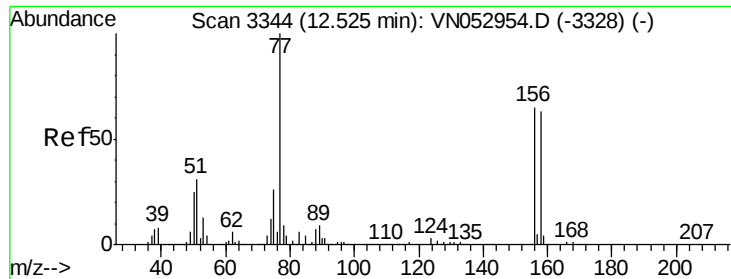
Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion:	75	Resp:	482763
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.159 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

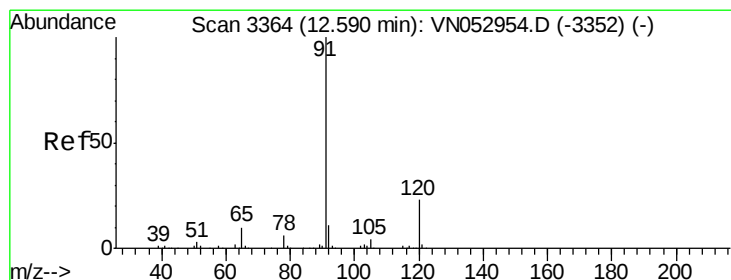
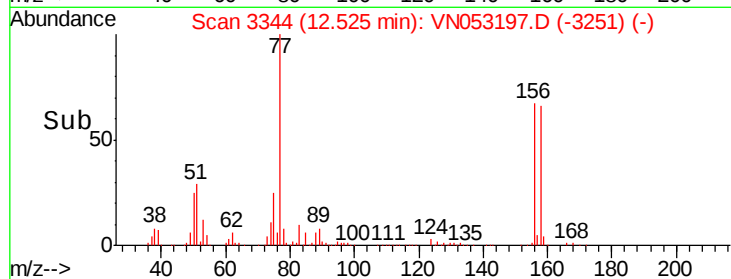
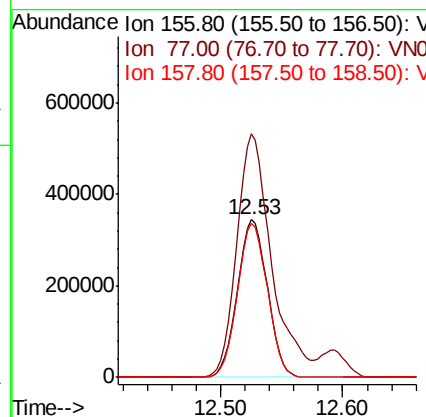
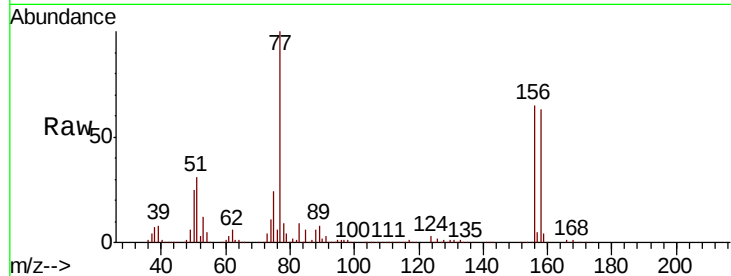
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	588154
Ion Ratio	Lower	Upper	
156	100		
77	180.2	91.3	273.8
158	97.4	49.0	147.2

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#78

n-propylbenzene

Concen: 48.172 ug/l

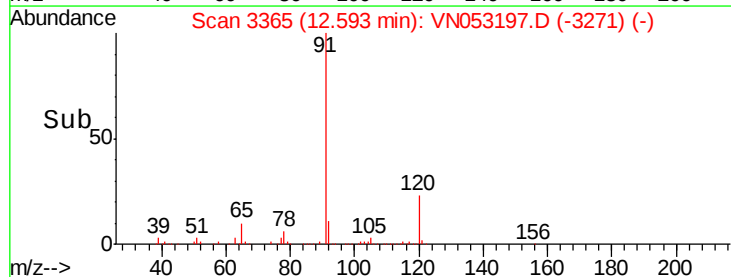
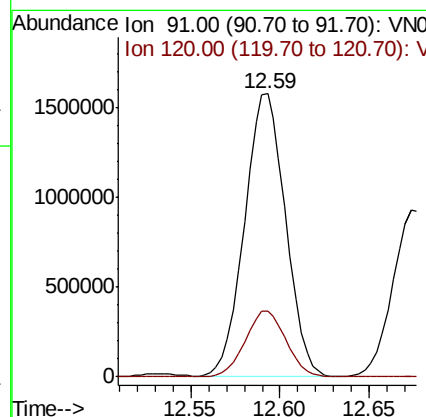
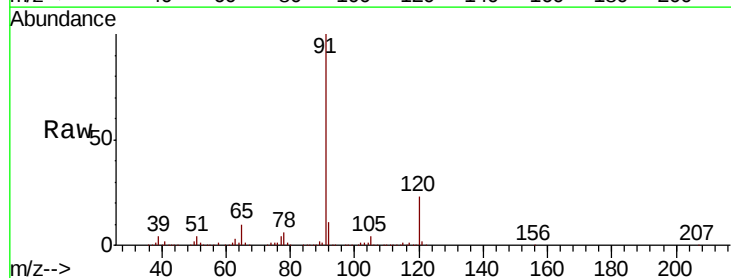
RT: 12.59 min Scan# 3365

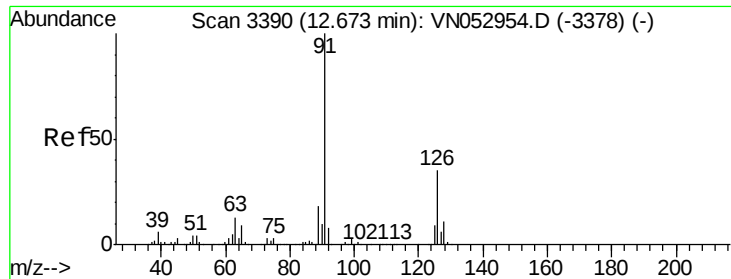
Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion:	91	Resp:	2525183
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 46.488 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1510497

Ion Ratio Lower Upper

91 100

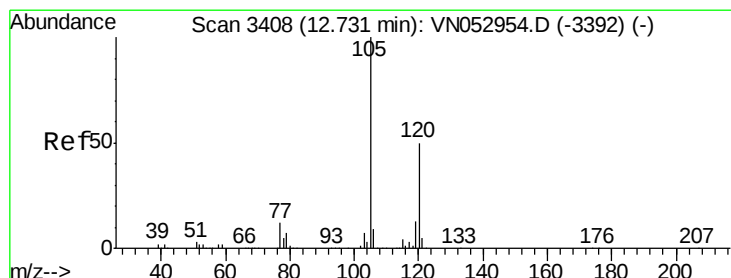
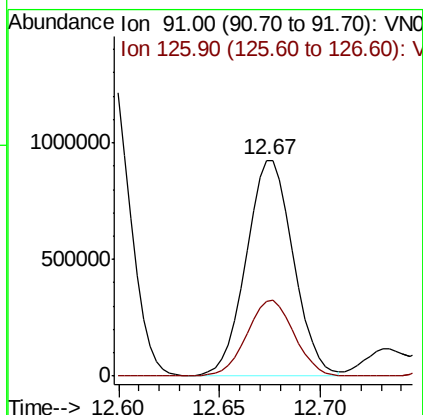
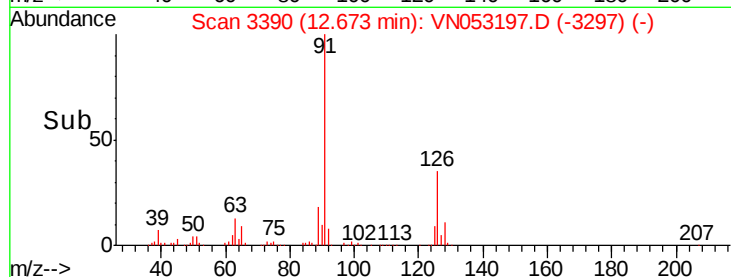
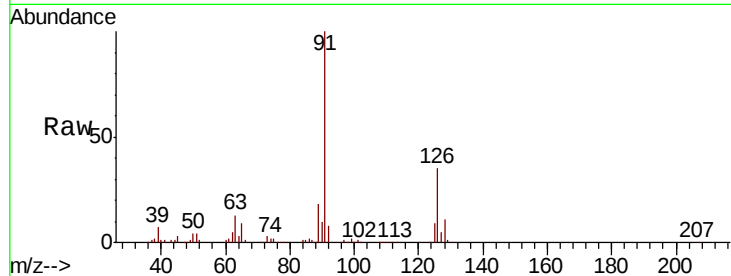
126 35.2 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 48.028 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053197.D

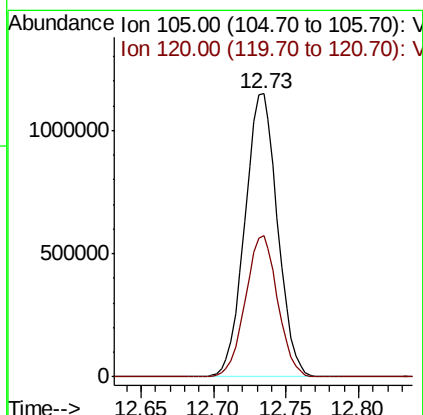
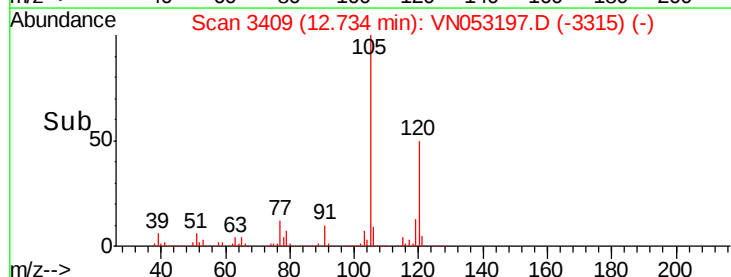
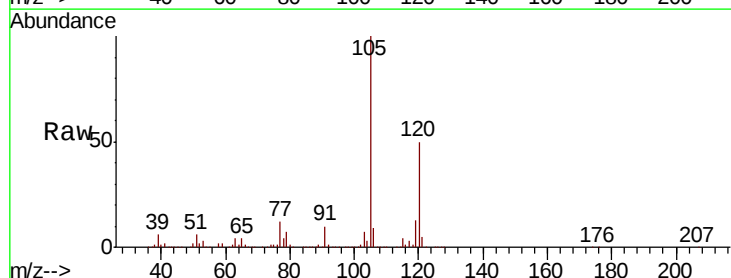
Acq: 24 Dec 2018 20:33

Tgt Ion: 105 Resp: 1801786

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





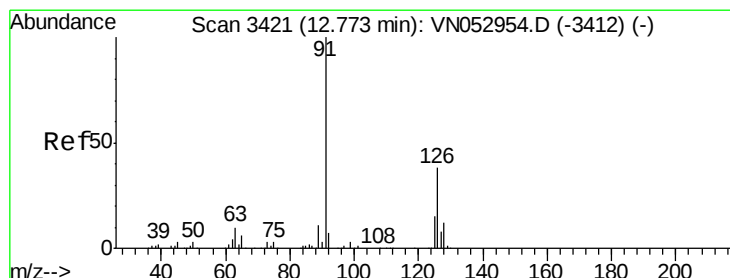
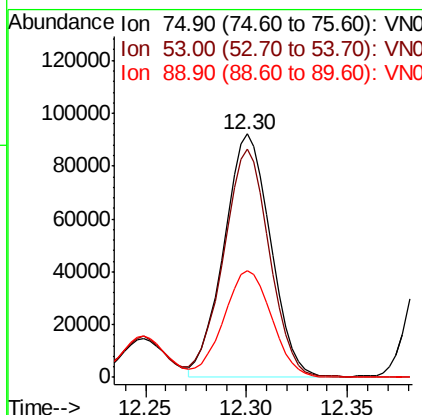
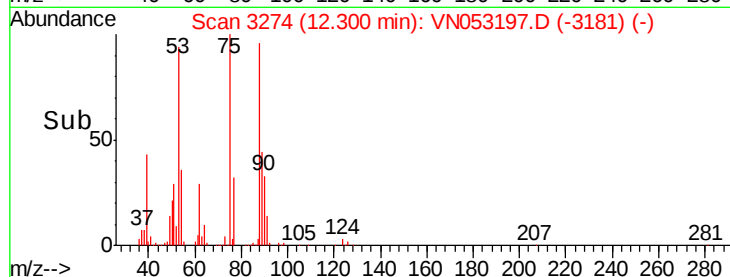
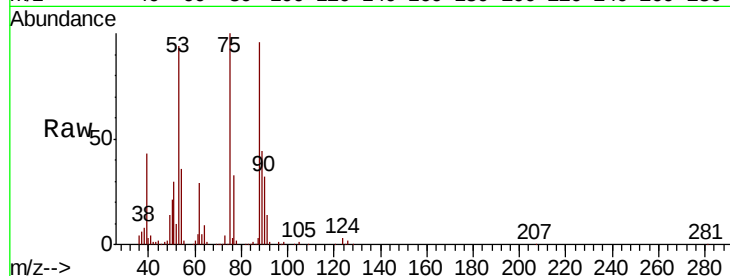
#81
trans-1,4-Dichloro-2-butene
Concen: 48.501 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	74.7	112.1
89	45.2	36.1	54.1

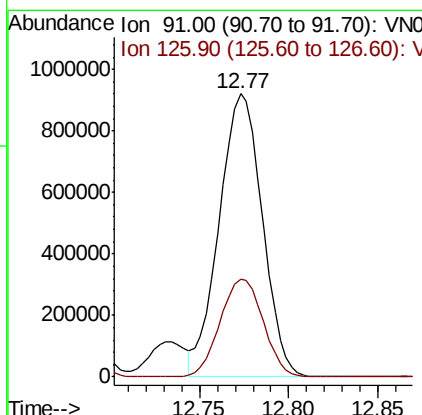
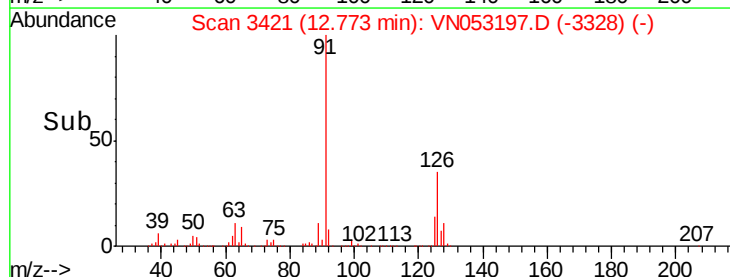
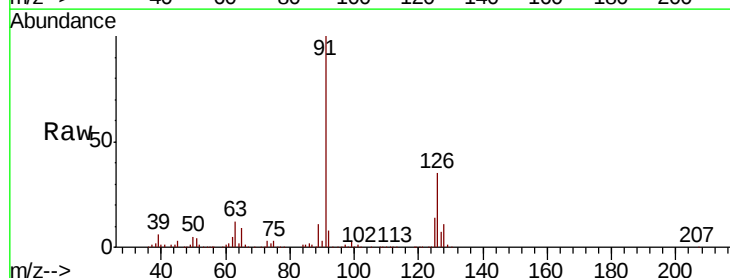
Manual Integrations
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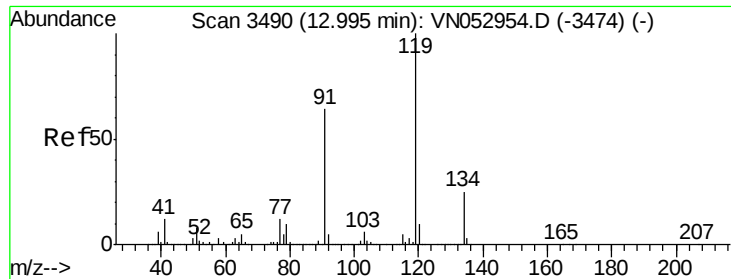
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.469 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	51.7





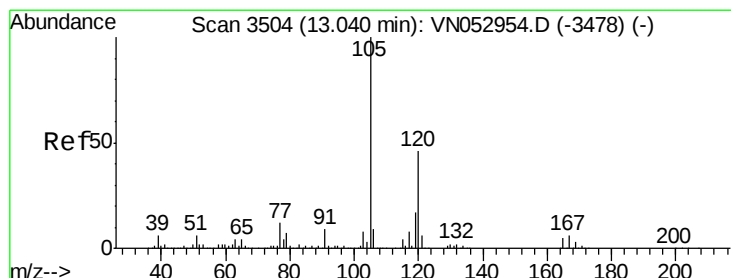
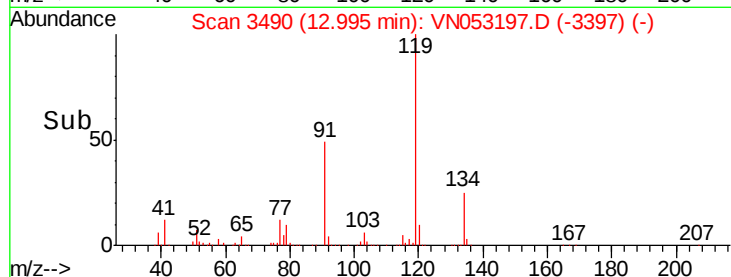
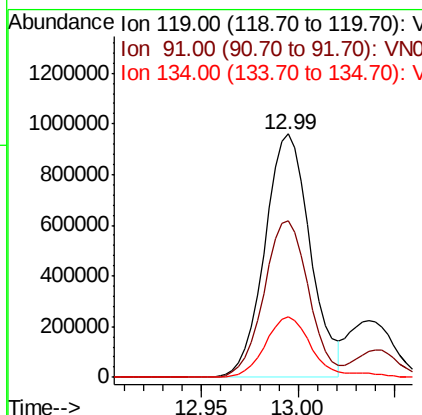
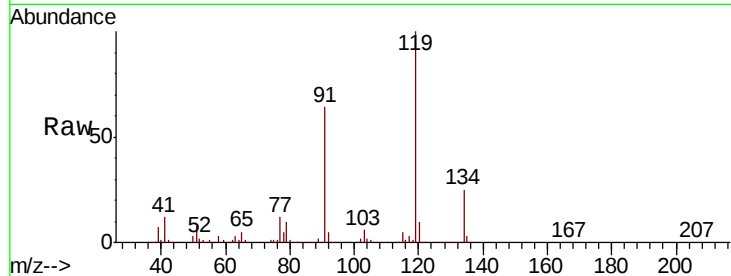
#83
tert-Butylbenzene
Concen: 47.349 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1571007
Ion Ratio Lower Upper
119 100
91 63.6 31.9 95.5
134 25.8 12.8 38.4

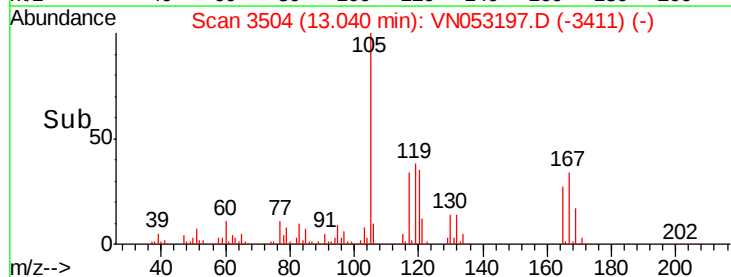
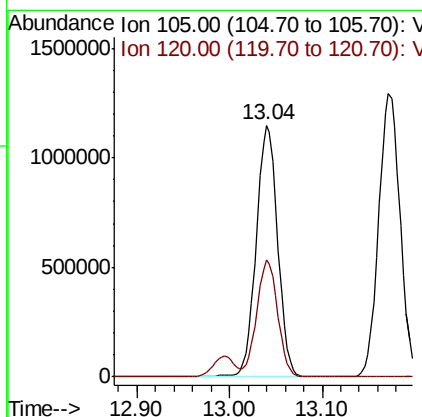
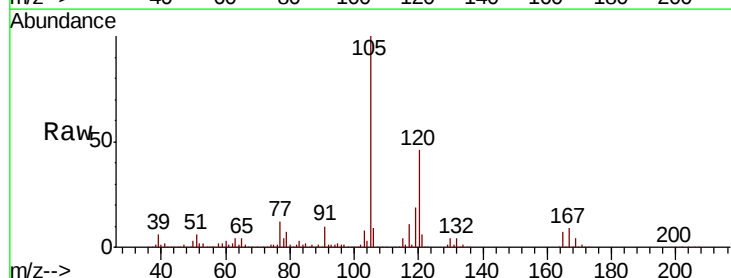
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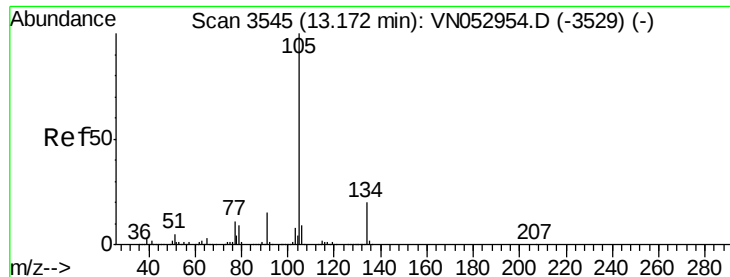
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#84
1,2,4-Trimethylbenzene
Concen: 48.617 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion:105 Resp: 1833531
Ion Ratio Lower Upper
105 100
120 45.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 45.930 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2061239

Ion Ratio Lower Upper

105 100

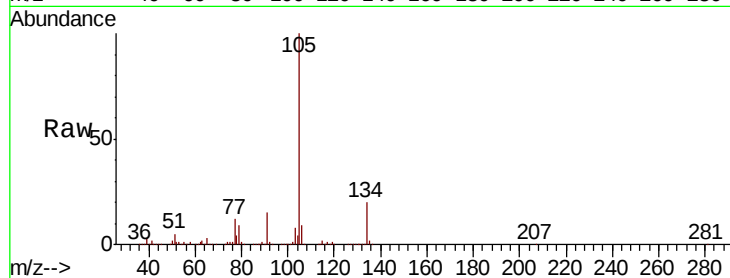
134 20.2 10.1 30.3

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Abundance Ion 105.00 (104.70 to 105.70): V

1500000 Ion 134.00 (133.70 to 134.70): V

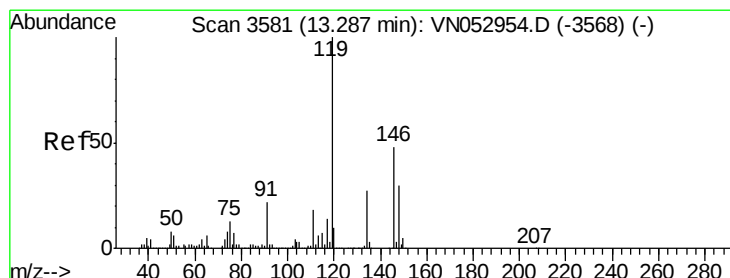
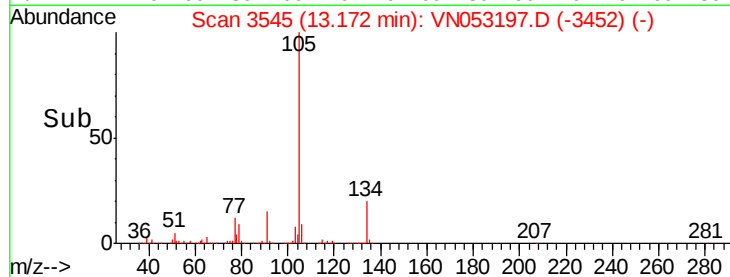
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 46.192 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

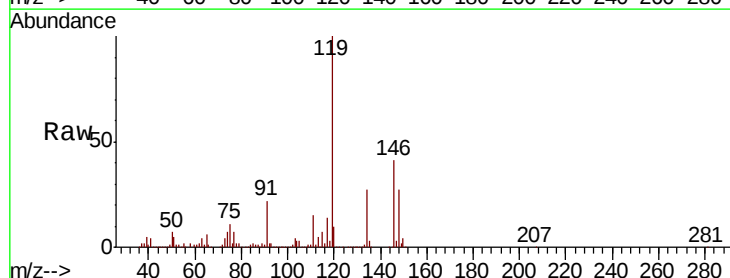
Tgt Ion:119 Resp: 1791252

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.0 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

1500000 Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

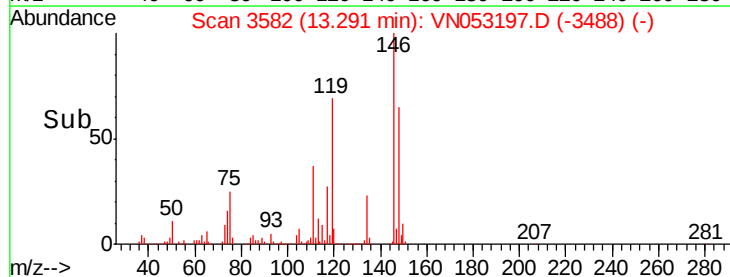
13.29

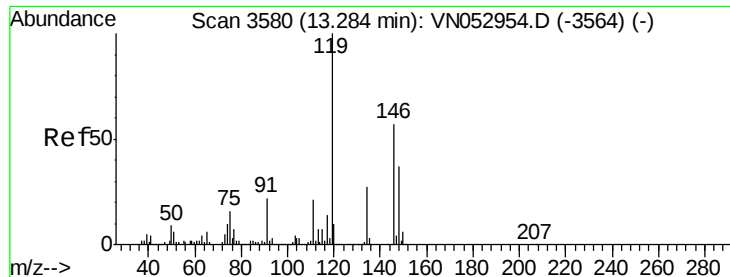
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.815 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1012488

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.1

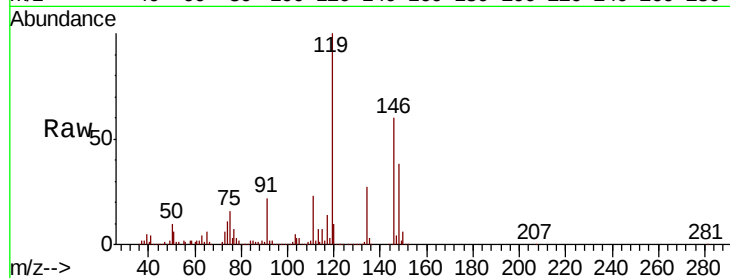
148 64.2 32.0 96.0

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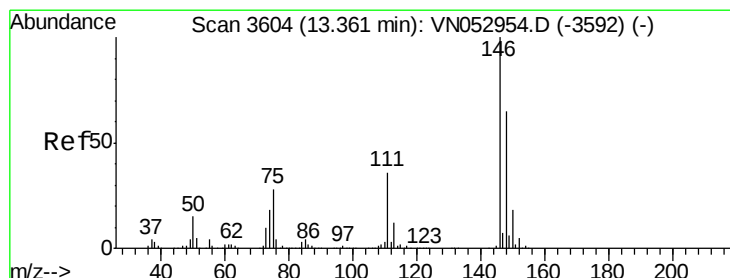
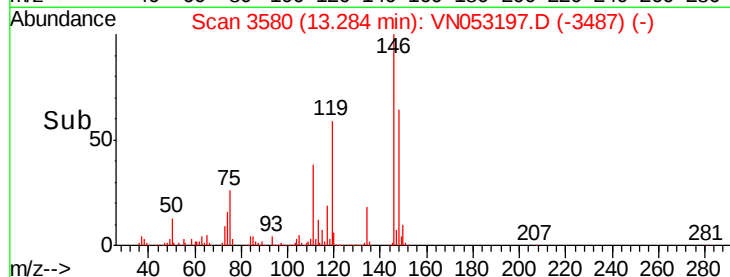
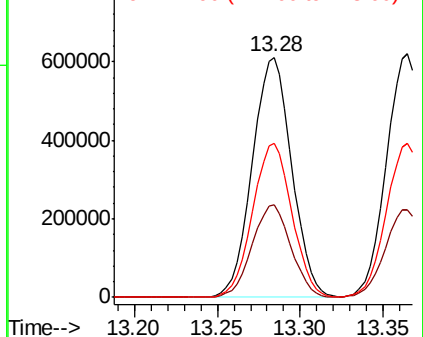


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.862 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

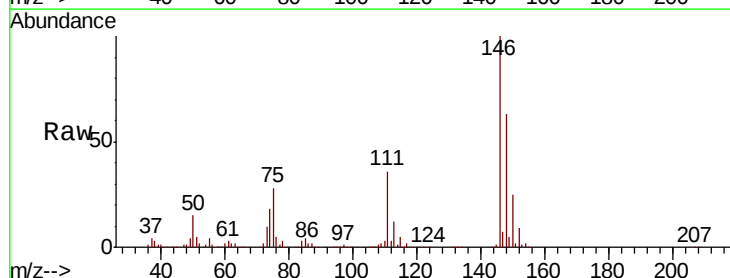
Tgt Ion:146 Resp: 1004900

Ion Ratio Lower Upper

146 100

111 36.9 18.6 55.8

148 64.0 32.1 96.5

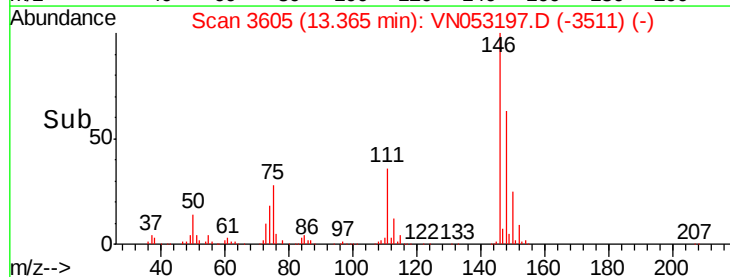
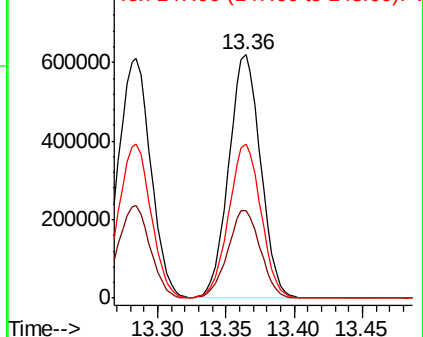


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





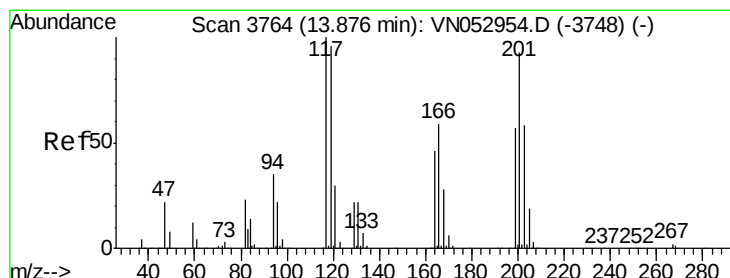
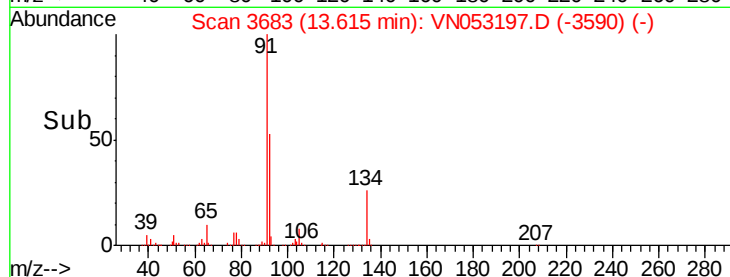
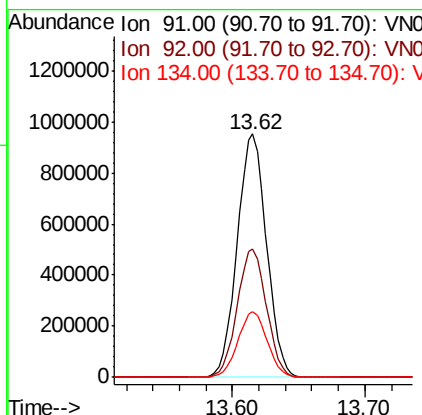
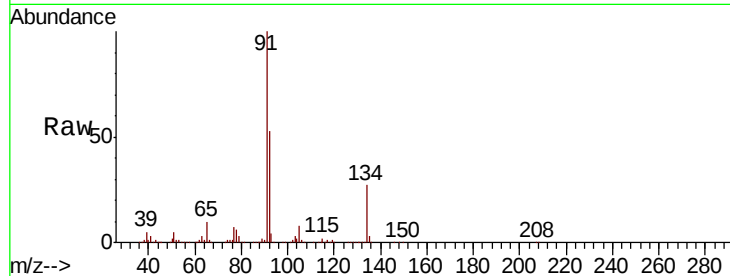
#89
n-Butylbenzene
Concen: 43.774 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1460366
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.9
134 27.0 13.3 39.8

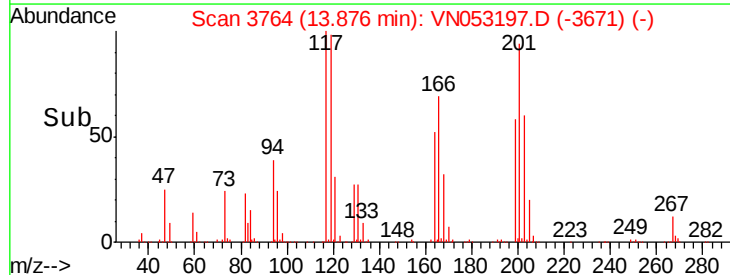
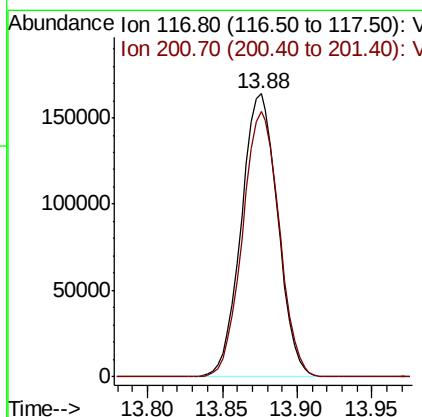
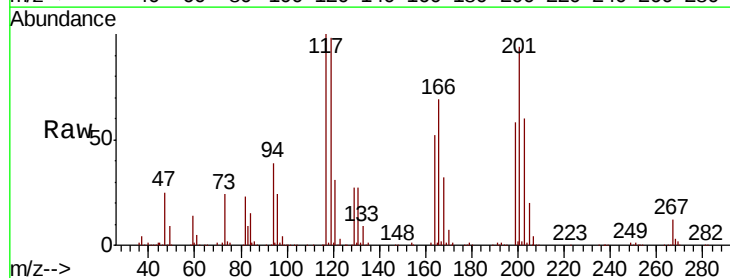
Manual Integrations
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#90
Hexachloroethane
Concen: 46.687 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053197.D
Acq: 24 Dec 2018 20:33

Tgt Ion: 117 Resp: 277830
Ion Ratio Lower Upper
117 100
201 94.1 45.7 137.1





#91

1,2-Dichlorobenzene

Concen: 49.252 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

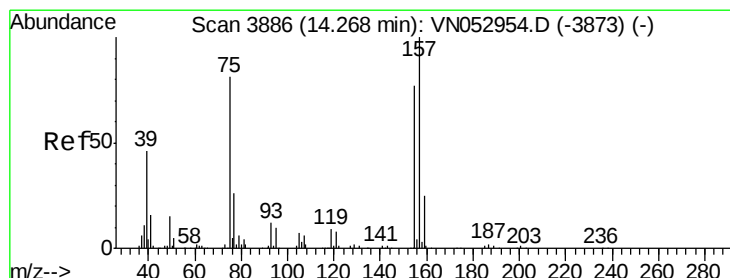
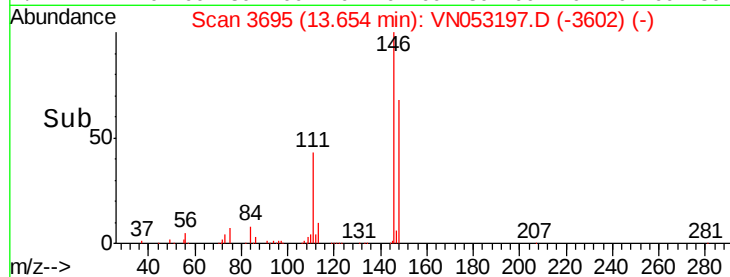
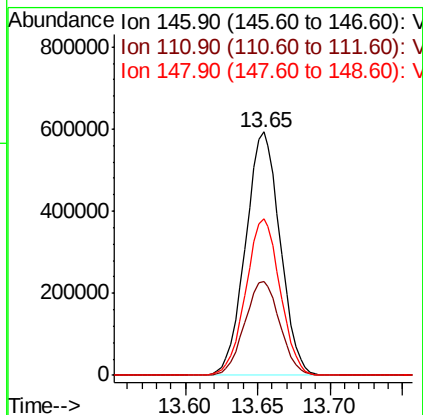
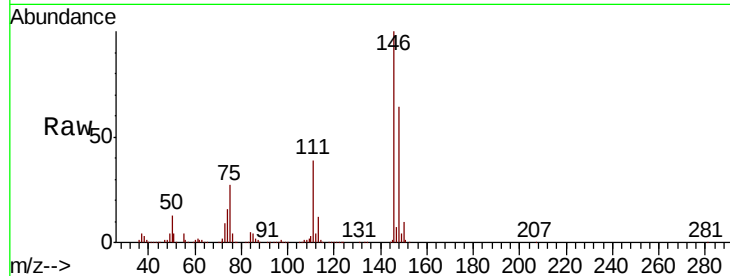
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	981557
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.7	59.0
148	64.0	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.358 ug/l

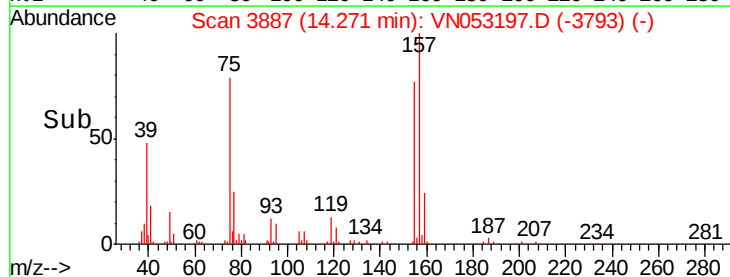
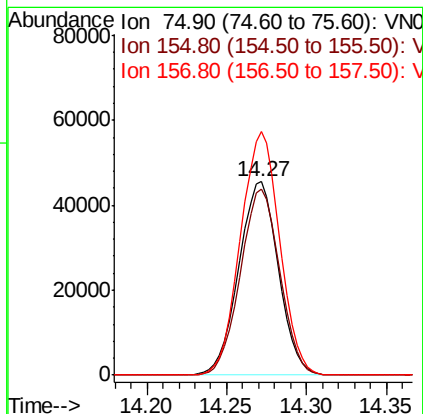
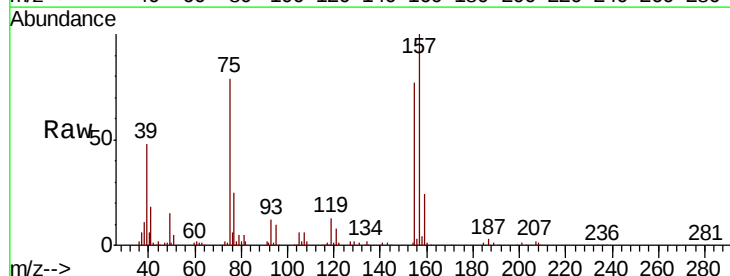
RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion:	75	Resp:	77062
Ion Ratio	Lower	Upper	
75	100		
155	95.2	48.2	144.6
157	124.4	61.2	183.5





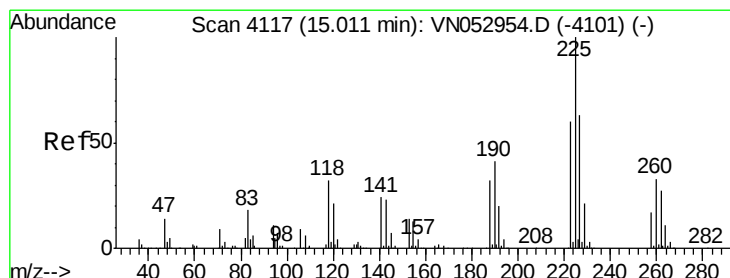
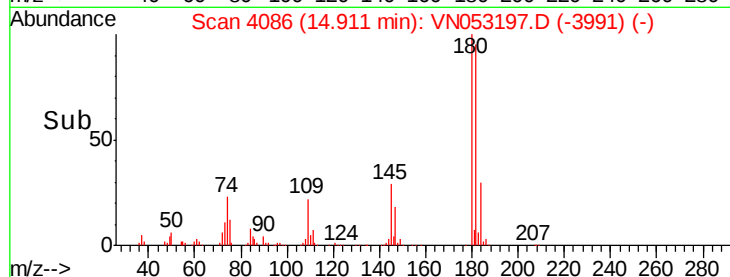
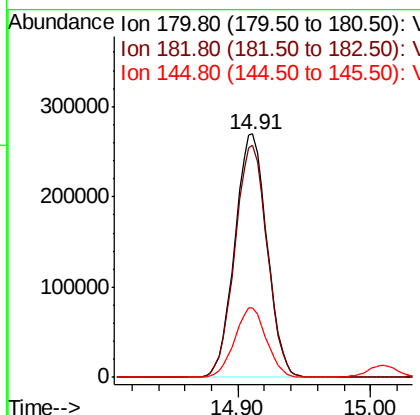
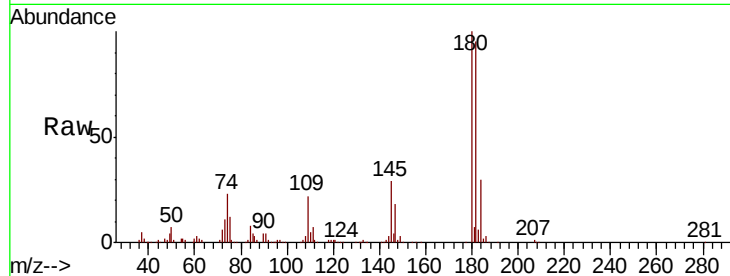
#93
 1,2,4-Trichlorobenzene
 Concen: 43.161 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	28.1	14.2	42.6

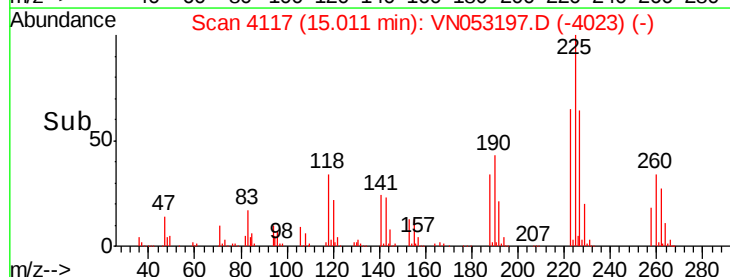
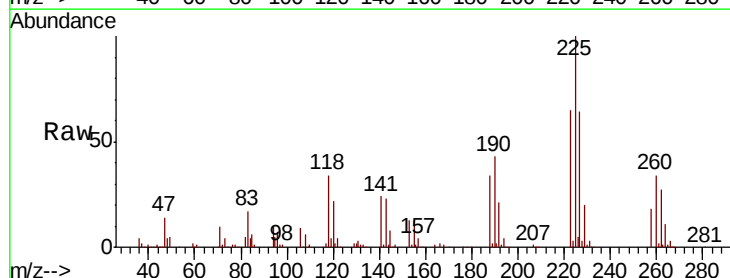
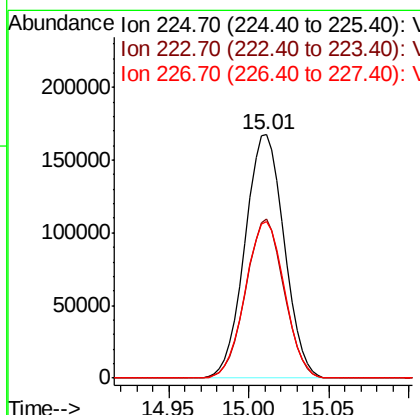
Manual Integrations
 APPROVED

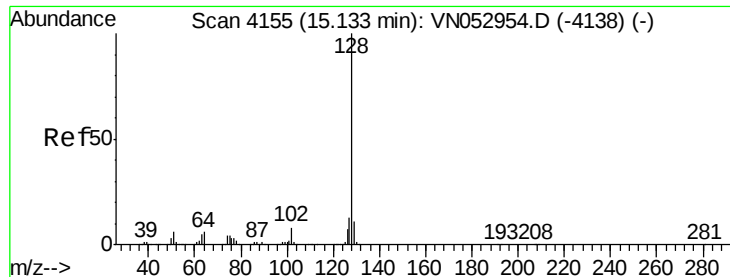
MMDadoda
 12/26/2018 10:54:03 AM



#94
 Hexachlorobutadiene
 Concen: 51.356 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053197.D
 Acq: 24 Dec 2018 20:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.5	94.5
227	64.6	31.9	95.7





#95

Naphthalene

Concen: 43.945 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Instrument :

MSVOA_N

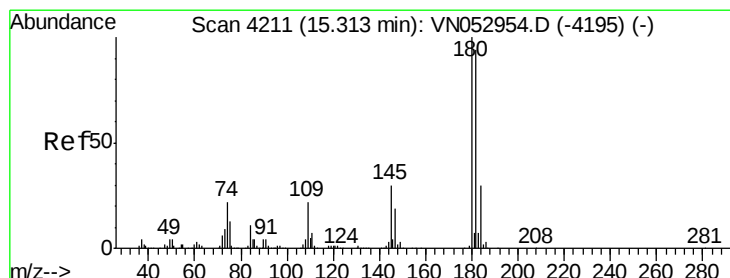
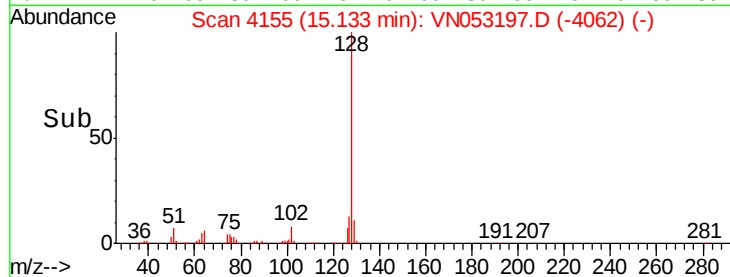
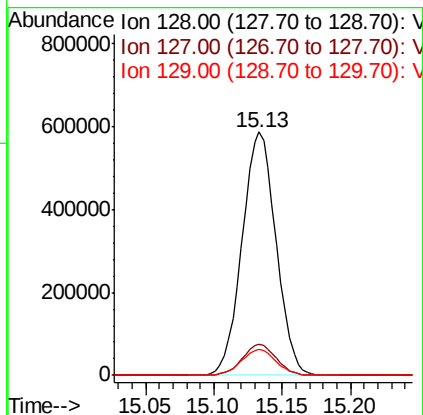
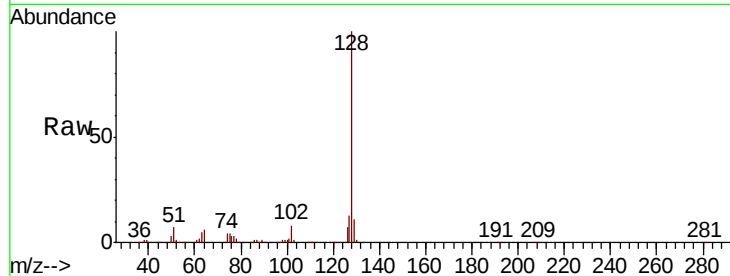
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	1013118
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:54:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 43.083 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053197.D

Acq: 24 Dec 2018 20:33

Tgt Ion:	180	Resp:	408955
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	29.2	15.0	45.0

