

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053293.D
 Acq On : 7 Jan 2019 9:57
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:24:53 AM

Quant Time: Jan 08 01:29:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	936987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1378465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1254060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	622255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	448938	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
35) Dibromofluoromethane	7.59	113	393235	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.09	98	1659807	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	592116	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	417579	50.551	ug/l	99
3) Chloromethane	2.06	50	543564	47.120	ug/l	100
4) Vinyl Chloride	2.19	62	534987	48.590	ug/l	99
5) Bromomethane	2.57	94	356301	49.523	ug/l	98
6) Chloroethane	2.71	64	310337	46.697	ug/l	98
7) Trichlorofluoromethane	3.02	101	690315	48.405	ug/l	99
8) Diethyl Ether	3.41	74	262042	46.879	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	442876	48.999	ug/l	99
10) Methyl Iodide	3.96	142	640710	50.571	ug/l	100
11) Tert butyl alcohol	4.77	59	115803	197.505	ug/l	99
12) 1,1-Dichloroethene	3.74	96	419138	47.941	ug/l	99
13) Acrolein	3.61	56	150405	204.019	ug/l	99
14) Allyl chloride	4.33	41	706050	50.106	ug/l	96
15) Acrylonitrile	4.98	53	771695	220.475	ug/l	99
16) Acetone	3.81	43	566670	241.461	ug/l	100
17) Carbon Disulfide	4.06	76	1312044	48.677	ug/l	99
18) Methyl Acetate	4.32	43	356782	40.440	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1144143	46.629	ug/l	100
20) Methylene Chloride	4.55	84	477058	45.565	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	455451	48.518	ug/l	99
22) Diisopropyl ether	5.95	45	1446748	47.659	ug/l	96
23) Vinyl Acetate	5.89	43	4669642	244.478	ug/l	100
24) 1,1-Dichloroethane	5.85	63	830626	47.443	ug/l	99
25) 2-Butanone	6.83	43	884327	221.121	ug/l	100
26) 2,2-Dichloropropane	6.82	77	652616	50.993	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	516720	48.202	ug/l	98
28) Bromochloromethane	7.19	49	365227	48.953	ug/l	100
29) Tetrahydrofuran	7.21	42	567555	215.051	ug/l	99
30) Chloroform	7.37	83	814858	47.286	ug/l	99
31) Cyclohexane	7.65	56	808773	48.606	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	684447	47.664	ug/l	100
36) 1,1-Dichloropropene	7.79	75	652063	50.670	ug/l	99
37) Ethyl Acetate	6.92	43	380558	45.400	ug/l	100
38) Carbon Tetrachloride	7.77	117	609193	51.287	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	798911	53.587	ug/l	100
40) Benzene	8.04	78	1953904	49.706	ug/l	99
41) Methacrylonitrile	7.18	41	226168	43.460	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	568240	48.733	ug/l	99
43) Isopropyl Acetate	8.16	43	693905	42.081	ug/l	98
44) Trichloroethene	8.83	130	537177	49.767	ug/l	99
45) 1,2-Dichloropropane	9.12	63	512577	49.716	ug/l	99
46) Dibromomethane	9.21	93	293996	48.906	ug/l	100
47) Bromodichloromethane	9.40	83	626222	49.988	ug/l	100
48) Methyl methacrylate	9.20	41	348767	46.554	ug/l	99
49) 1,4-Dioxane	9.20	88	64434	807.264	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1891945	228.151	ug/l	100
52) Toluene	10.16	92	1205441	49.984	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	657497	51.305	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	768006	51.861	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	419776	47.339	ug/l	99
56) Ethyl methacrylate	10.43	69	559870	48.586	ug/l	99
57) 1,3-Dichloropropane	10.71	76	725114	48.898	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1501588	241.033	ug/l	100
59) 2-Hexanone	10.75	43	1342738	236.326	ug/l	100
60) Dibromochloromethane	10.90	129	483415	50.544	ug/l	99
61) 1,2-Dibromoethane	11.00	107	428500	48.968	ug/l	99
64) Tetrachloroethene	10.63	164	574892	48.707	ug/l	99
65) Chlorobenzene	11.43	112	1344176	49.341	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	472807	49.584	ug/l	99
67) Ethyl Benzene	11.51	91	2347079	50.702	ug/l	99
68) m/p-Xylenes	11.62	106	1801785	103.510	ug/l	100
69) o-Xylene	11.95	106	874869	51.337	ug/l	99
70) Styrene	11.96	104	1442329	52.004	ug/l	99
71) Bromoform	12.13	173	337509	50.111	ug/l #	100
73) Isopropylbenzene	12.25	105	2313443	49.936	ug/l	100
74) N-amyl acetate	12.07	43	633096	45.763	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	470844	44.181	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	409269m	45.094	ug/l	
77) Bromobenzene	12.53	156	598297	48.387	ug/l	99
78) n-propylbenzene	12.59	91	2699216	51.507	ug/l	99
79) 2-Chlorotoluene	12.67	91	1567791	49.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1905187	51.053	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158804	51.480	ug/l	97
82) 4-Chlorotoluene	12.77	91	1622935	49.914	ug/l	100
83) tert-Butylbenzene	12.99	119	1650764	50.418	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1952293	51.352	ug/l	100
85) sec-Butylbenzene	13.17	105	2239362	51.862	ug/l	100
86) p-Isopropyltoluene	13.29	119	1990250	53.236	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1079369	49.570	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1069231	49.501	ug/l	99
89) n-Butylbenzene	13.62	91	1683074	53.697	ug/l	100
90) Hexachloroethane	13.87	117	317818	53.039	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1005471	49.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60516	46.816	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	336280	52.436	ug/l	99
94) Hexachlorobutadiene	15.01	225	283457	54.038	ug/l	99
95) Naphthalene	15.13	128	531120	48.547	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	203102	48.372	ug/l	99

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

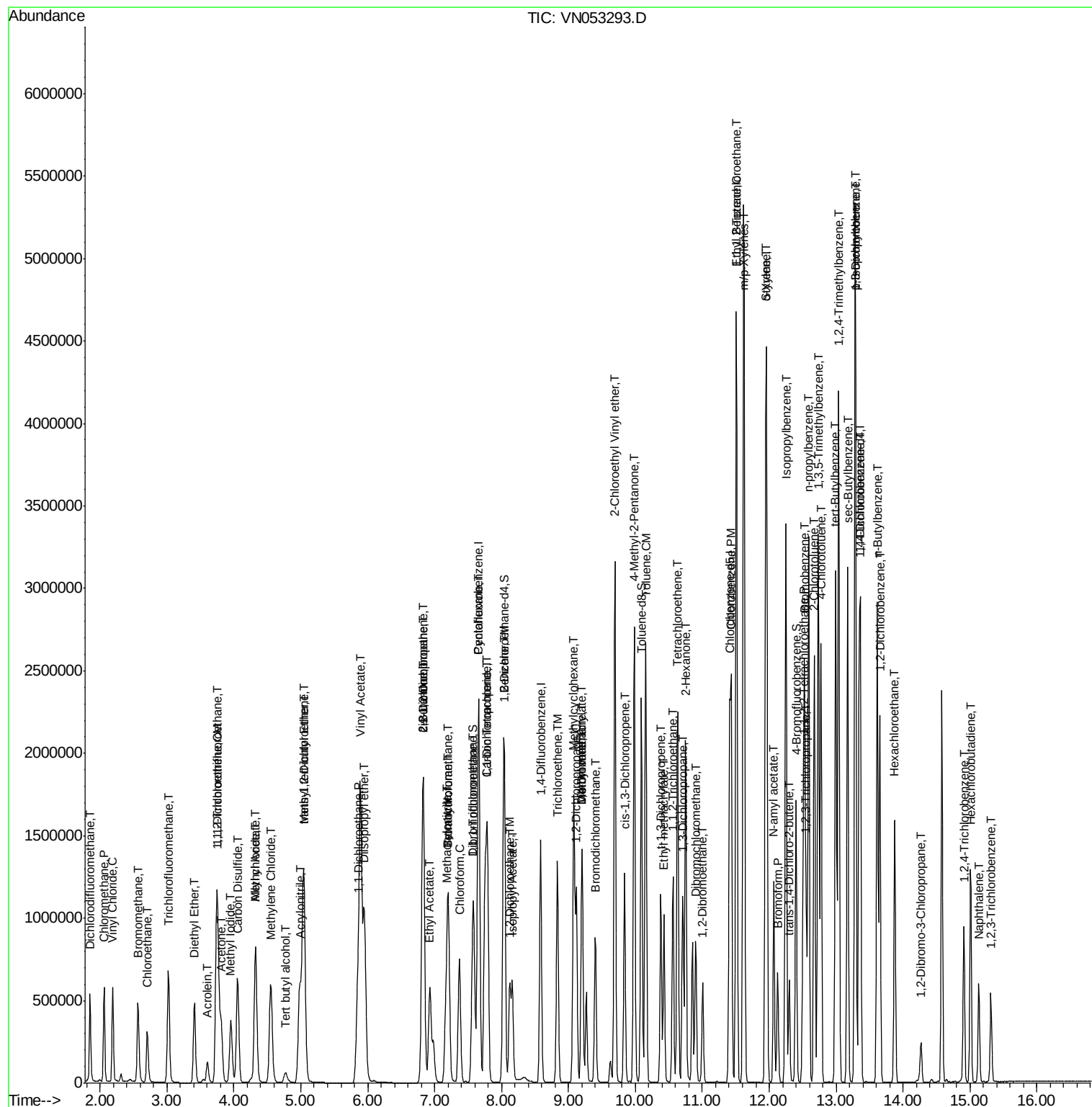
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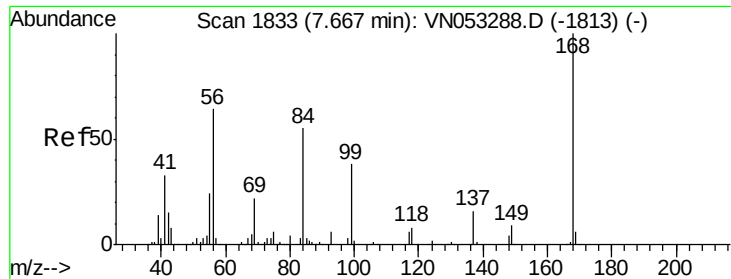
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 936987

Ion Ratio Lower Upper

168 100

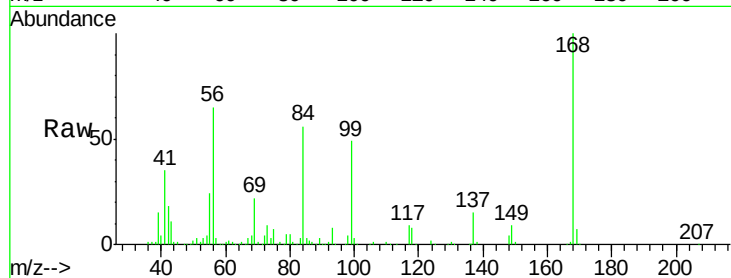
99 49.0 39.1 58.7

Manual Integrations

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1/8/2019 9:24:53 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

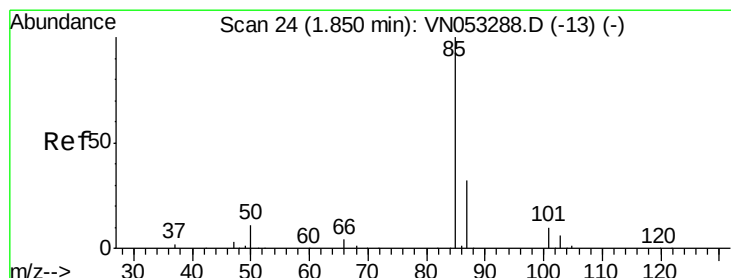
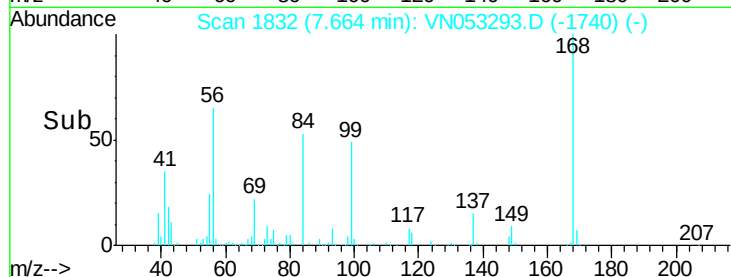
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.551 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053293.D

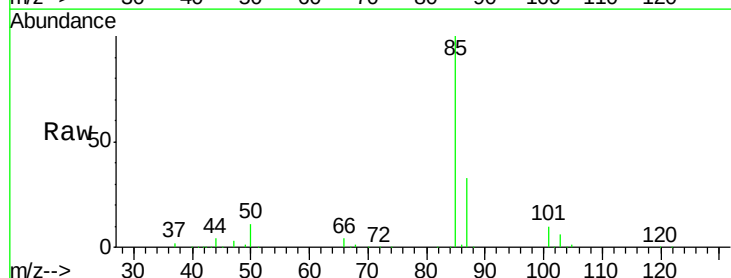
Acq: 7 Jan 2019 9:57

Tgt Ion: 85 Resp: 417579

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

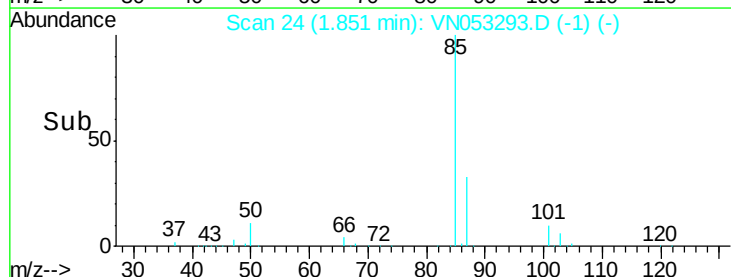
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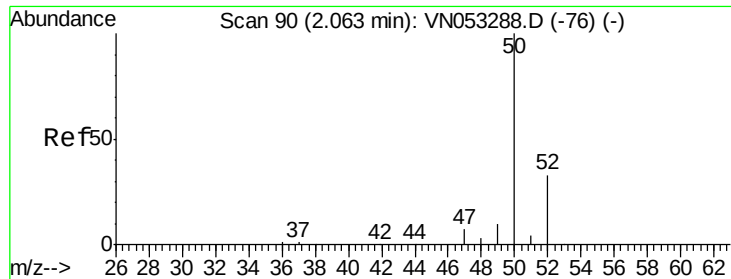
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0

1.80 1.90 2.00

Time-->





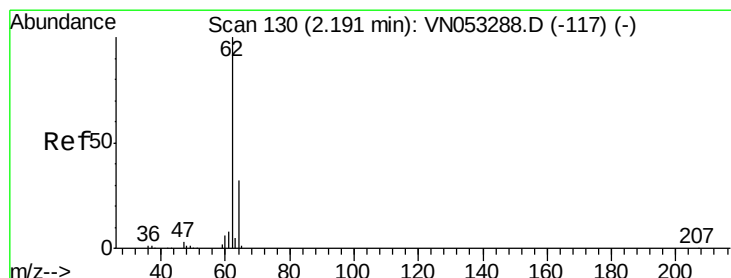
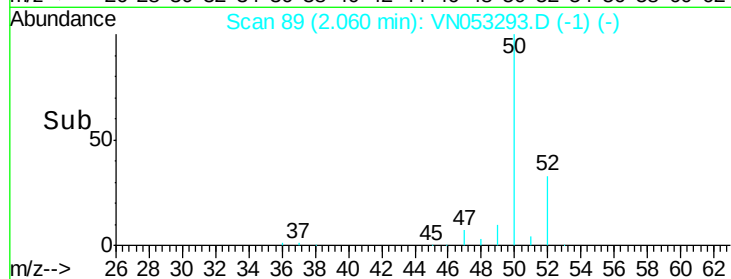
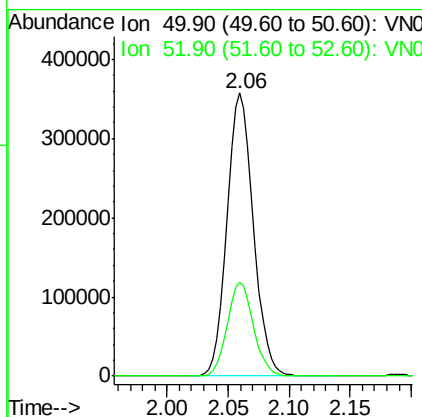
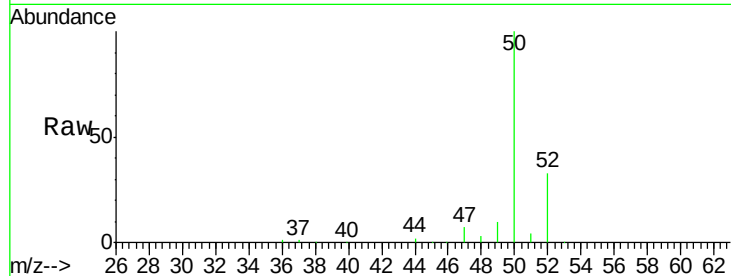
#3
Chloromethane
Concen: 47.120 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 50 Resp: 543564
Ion Ratio Lower Upper
50 100
52 33.2 26.6 40.0

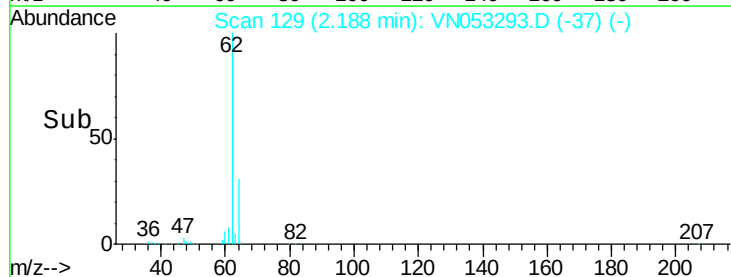
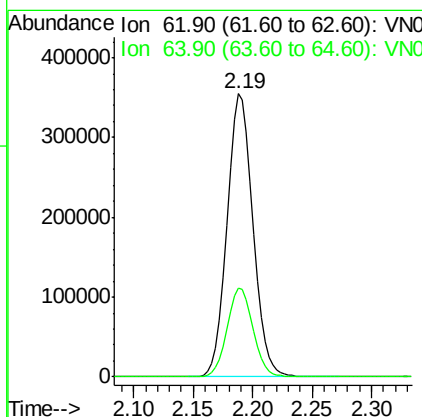
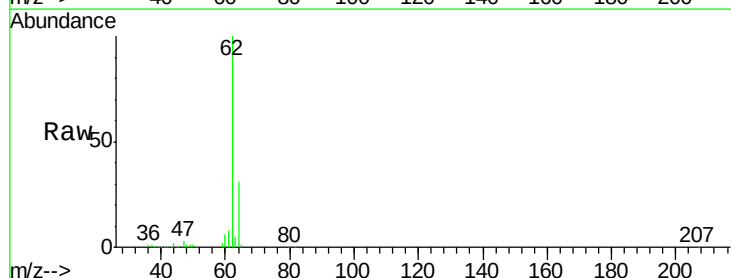
Manual Integrations
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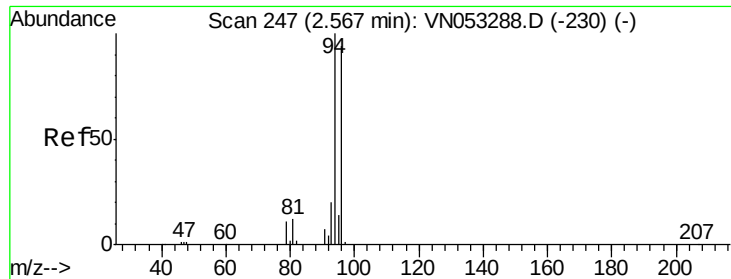
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1/8/2019 9:24:53 AM



#4
Vinyl Chloride
Concen: 48.590 ug/l
RT: 2.19 min Scan# 129
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 62 Resp: 534987
Ion Ratio Lower Upper
62 100
64 31.3 25.6 38.4





#5

Bromomethane

Concen: 49.523 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 356301

Ion Ratio Lower Upper

94 100

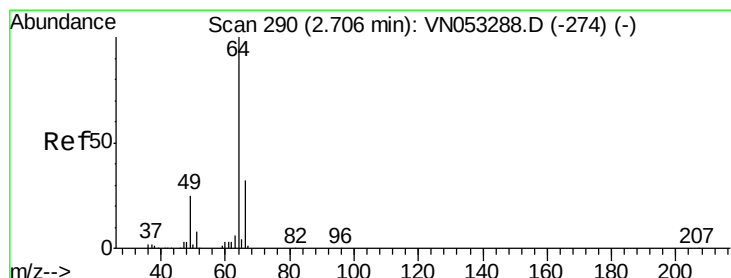
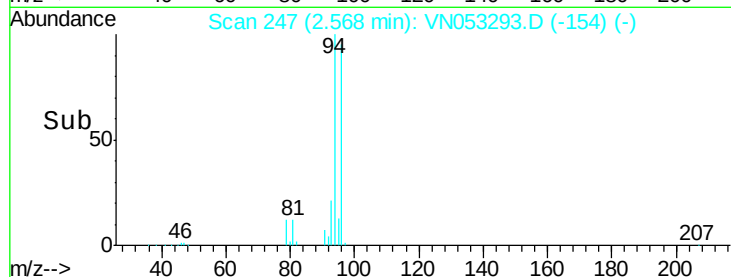
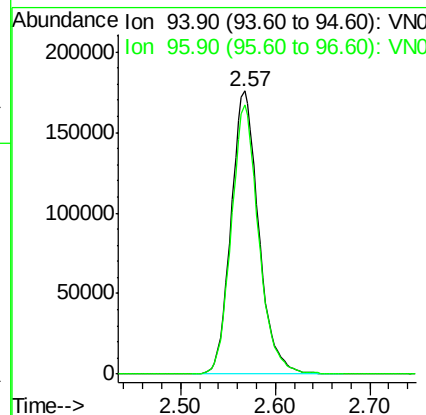
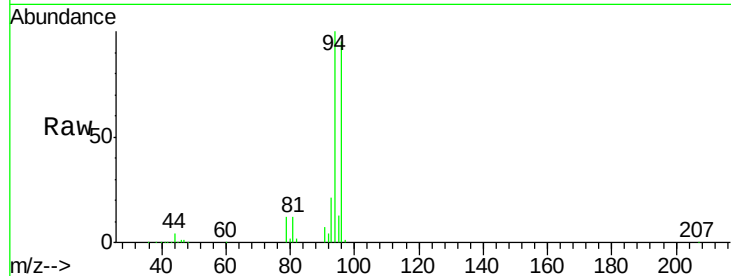
96 95.0 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 46.697 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053293.D

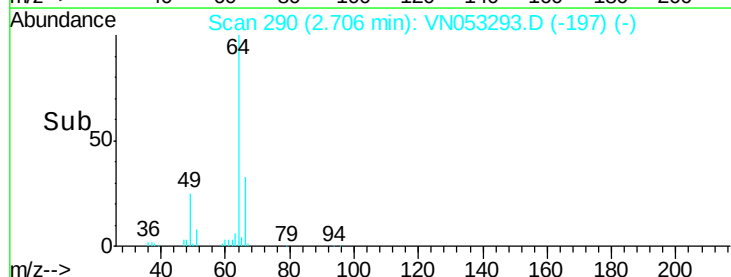
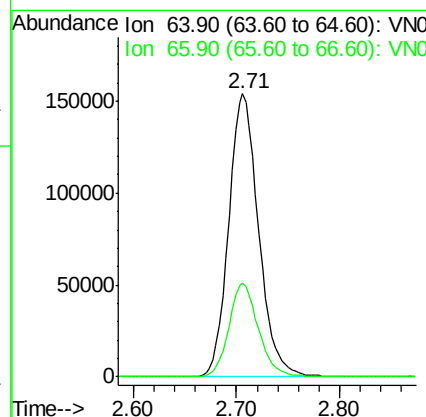
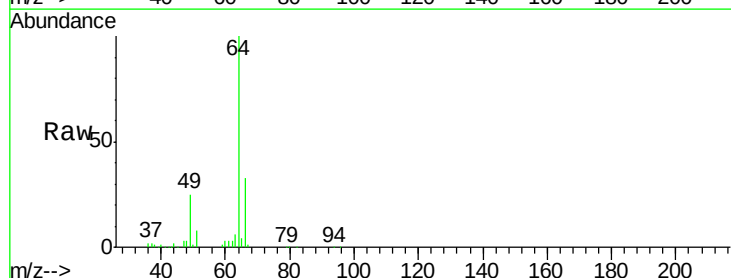
Acq: 7 Jan 2019 9:57

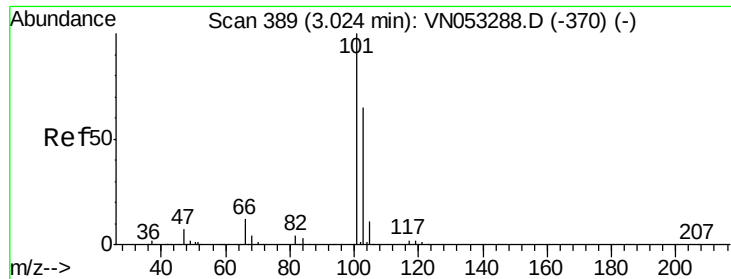
Tgt Ion: 64 Resp: 310337

Ion Ratio Lower Upper

64 100

66 33.3 25.6 38.4





#7

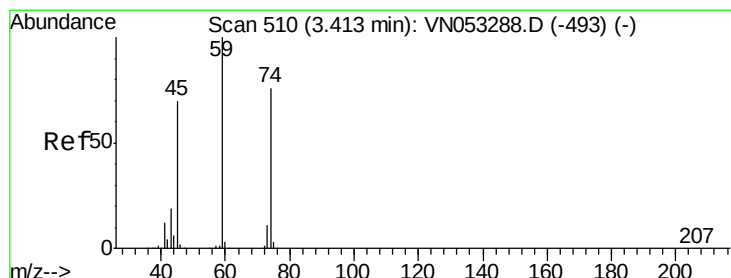
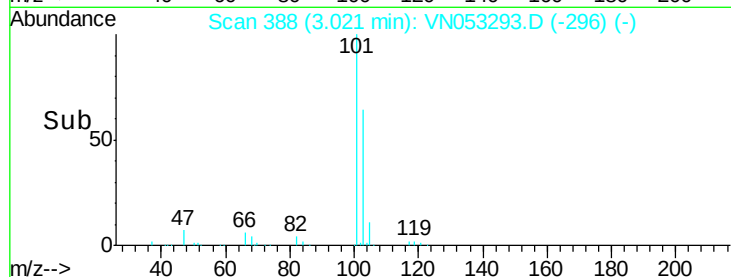
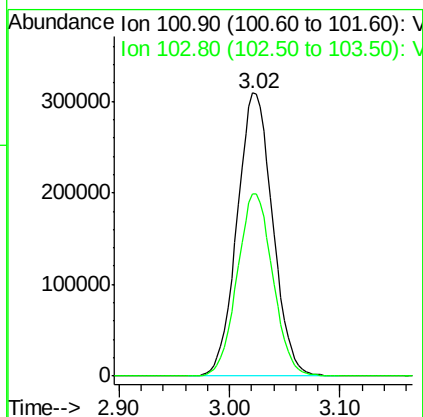
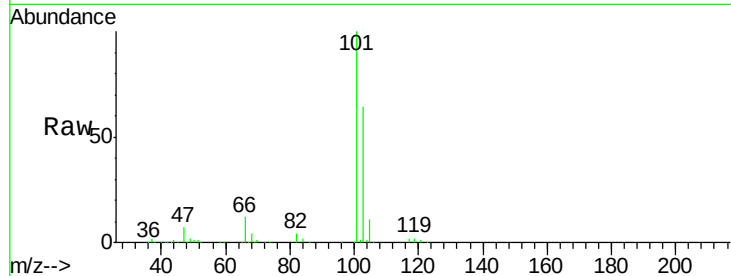
Trichlorofluoromethane
Concen: 48.405 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	690315		
103	64.2	52.1	78.1	

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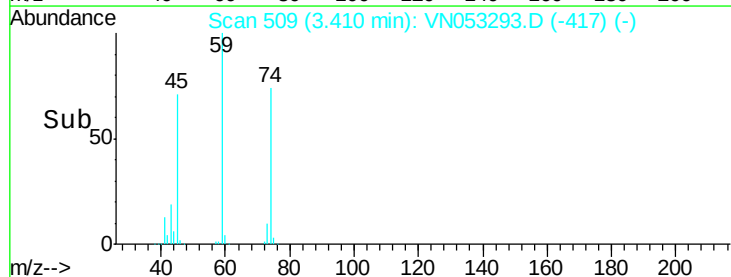
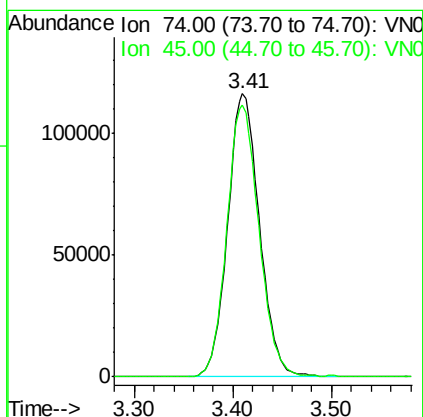
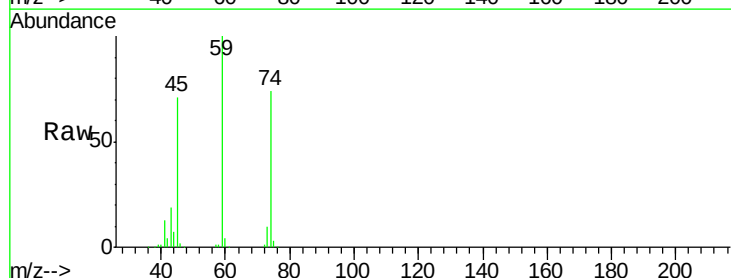
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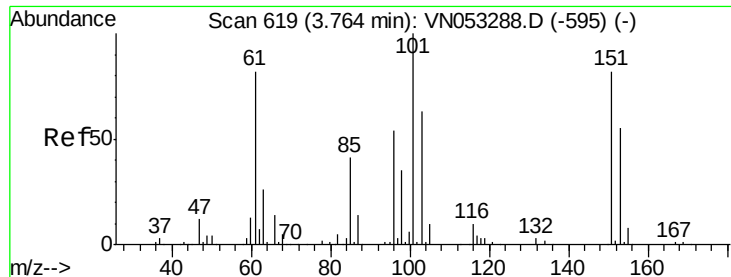


#8

Diethyl Ether
Concen: 46.879 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	262042		
45	97.1	48.3	144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.999 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

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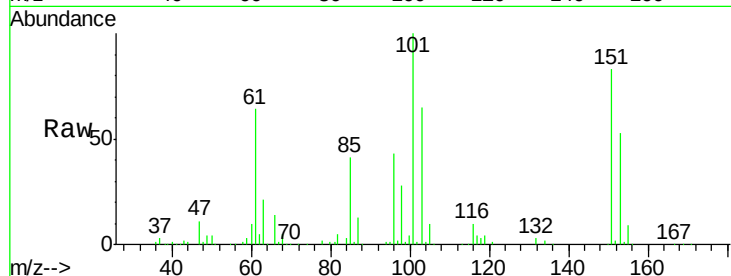
ClientSampleId :

VSTDCCC050

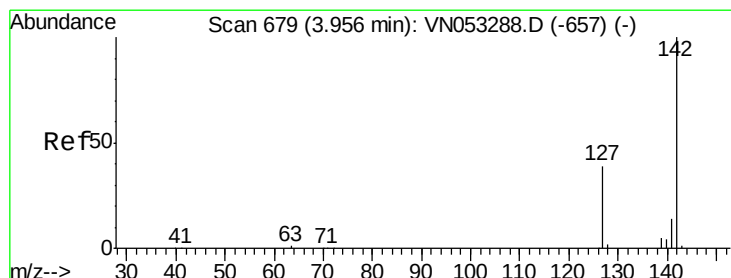
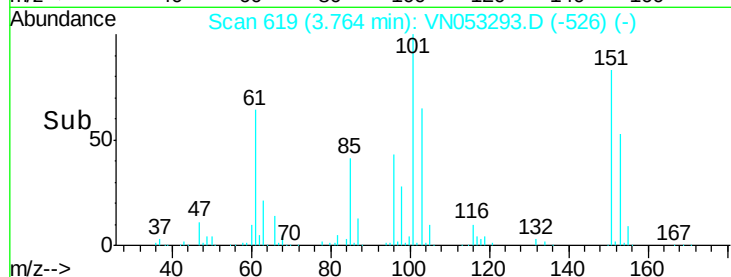
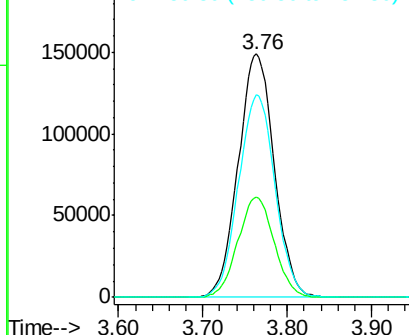
Tot Ion:	101	Resp:	442876
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.3	49.9
151	84.4	67.0	100.4

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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: 50.571 ug/l

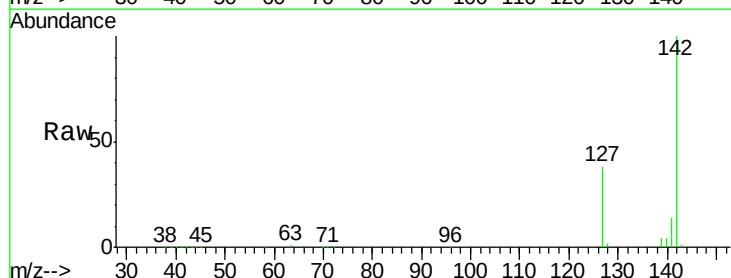
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

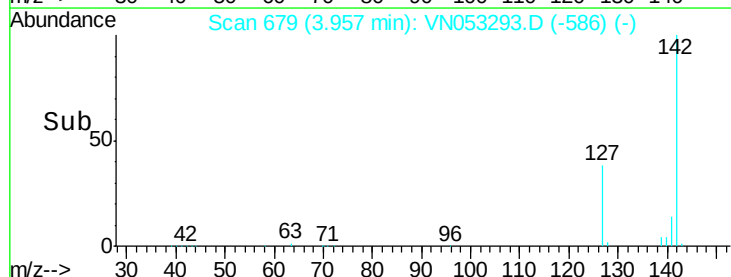
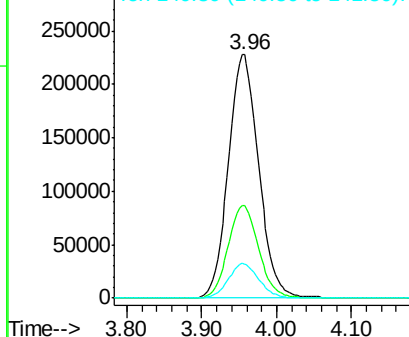
Lab File: VN053293.D

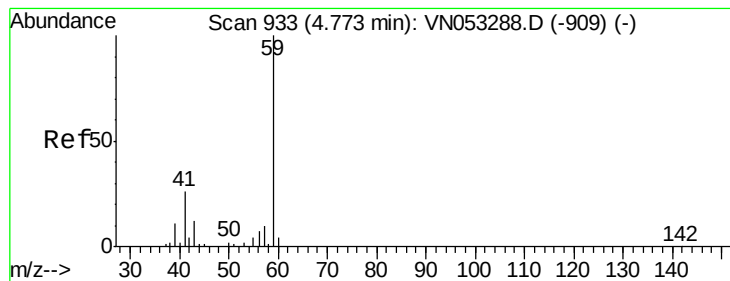
Acq: 7 Jan 2019 9:57

Tgt Ion:	142	Resp:	640710
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.9	46.3
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

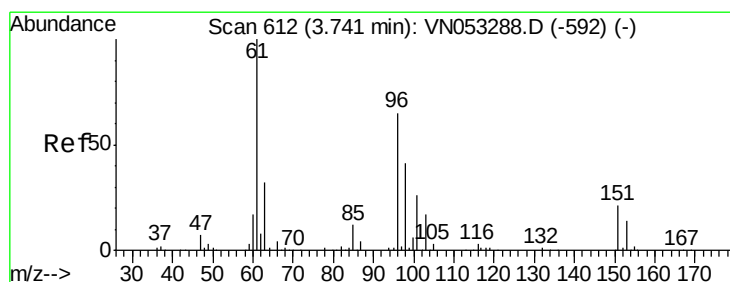
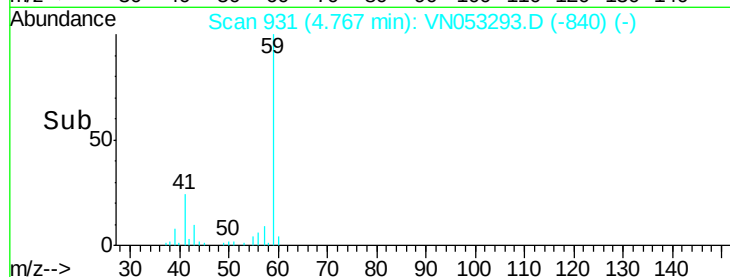
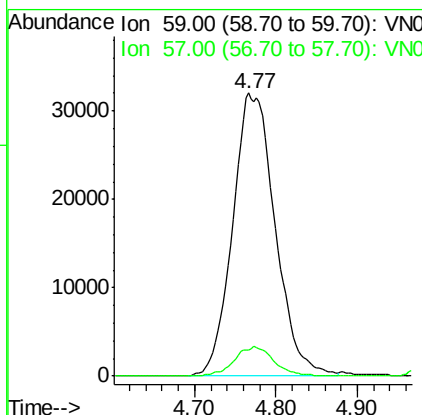
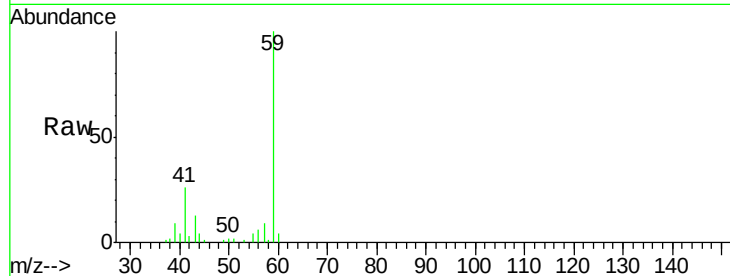
Tert butyl alcohol
Concen: 197.505 ug/l
RT: 4.77 min Scan# 931
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	9.6		8.0	12.0

Manual Integrations
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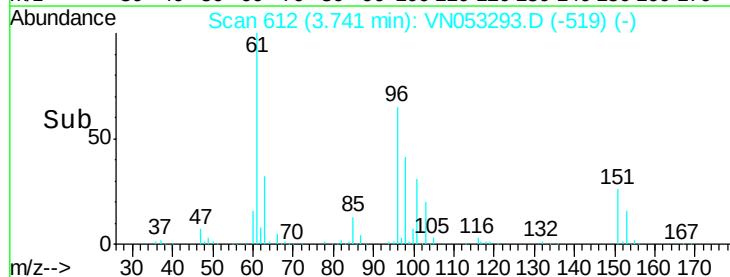
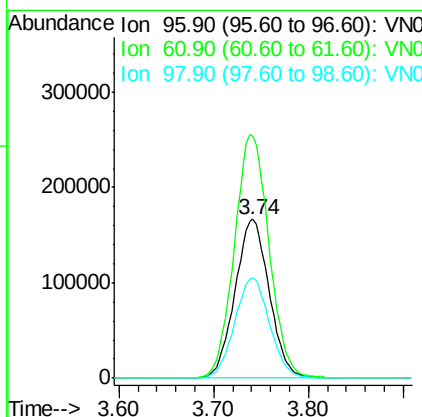
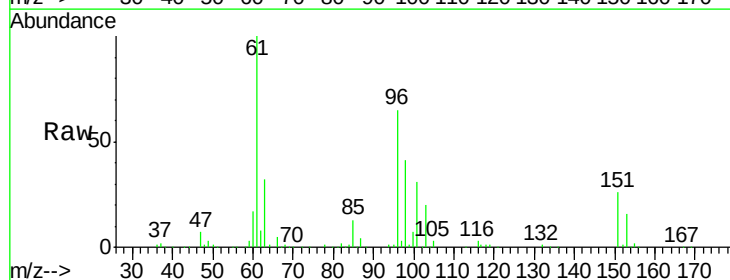
MMDadoda
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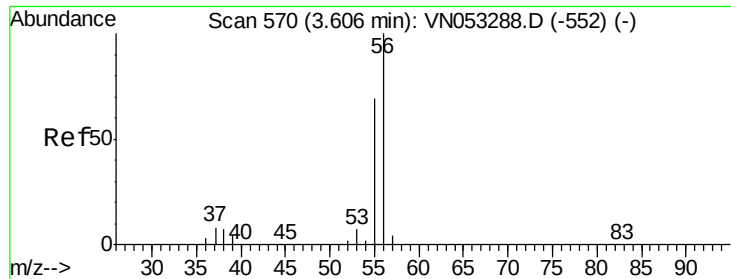


#12

1,1-Dichloroethene
Concen: 47.941 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.9		123.2	184.8
98	63.2		50.5	75.7





#13

Acrolein

Concen: 204.019 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 150405

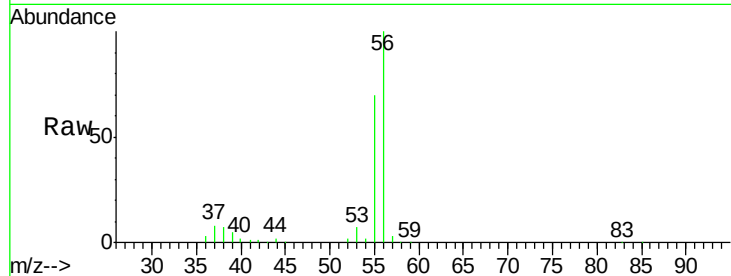
Ion Ratio Lower Upper

56 100

55 70.9 56.3 84.5

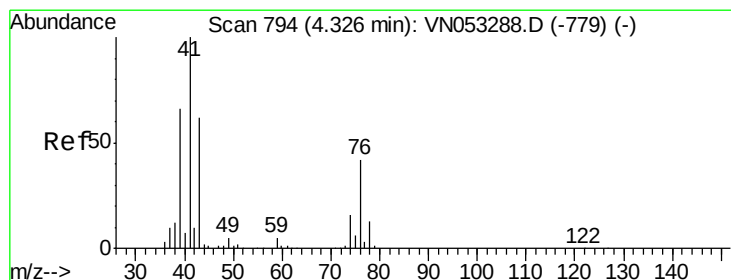
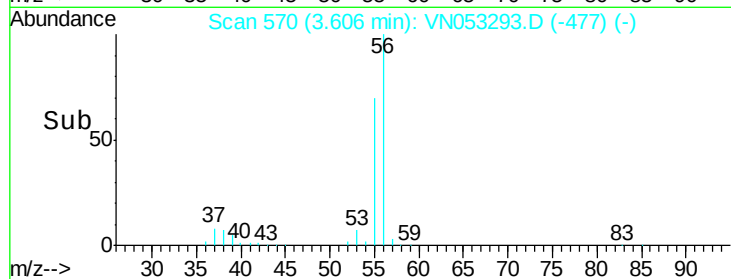
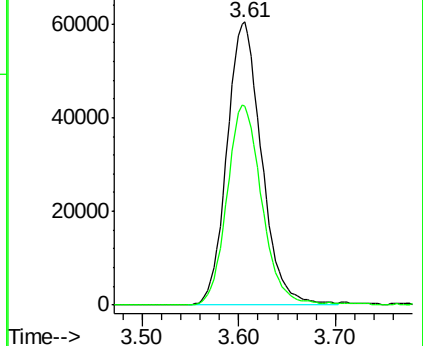
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.106 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

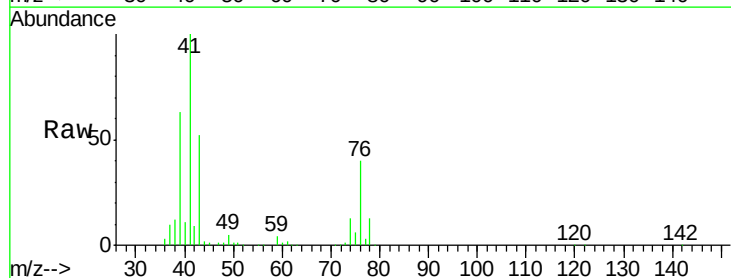
Tgt Ion: 41 Resp: 706050

Ion Ratio Lower Upper

41 100

39 61.1 51.9 77.9

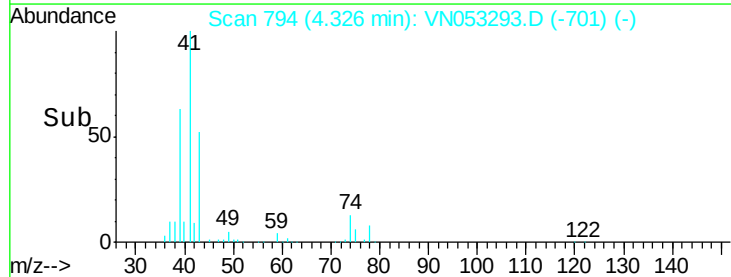
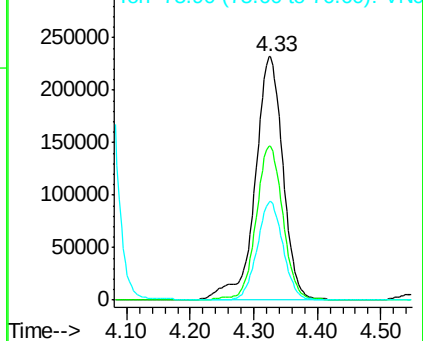
76 37.1 31.2 46.8

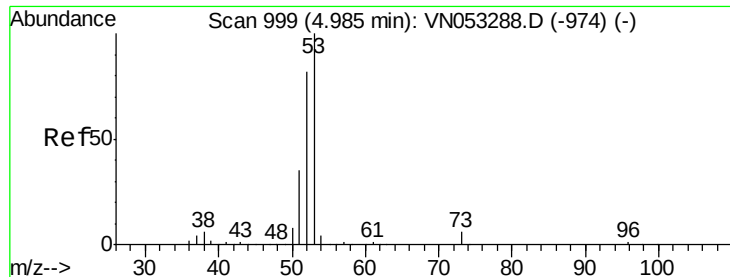


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 220.475 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

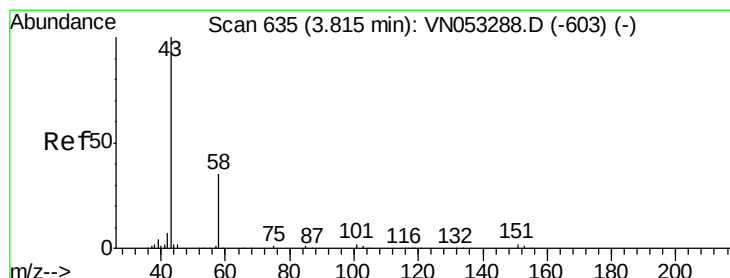
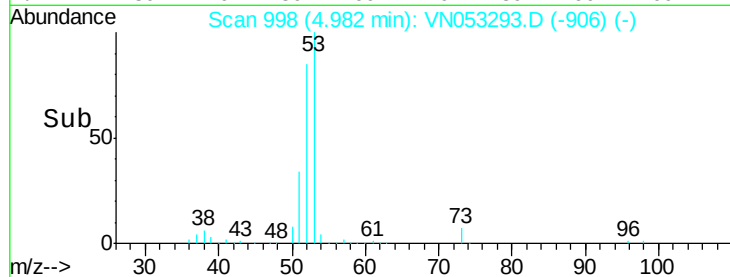
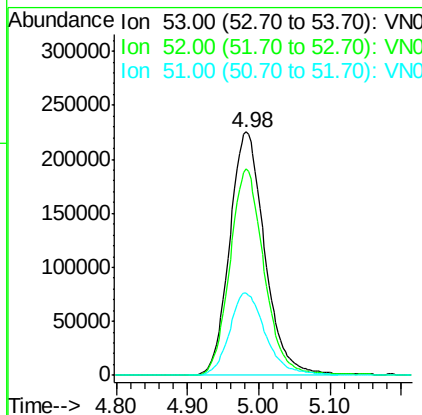
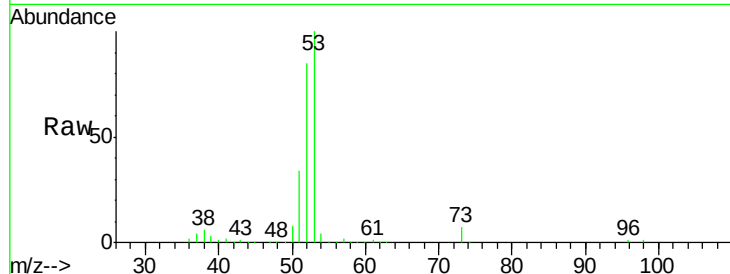
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	771695
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.2	97.8
51	35.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 241.461 ug/l

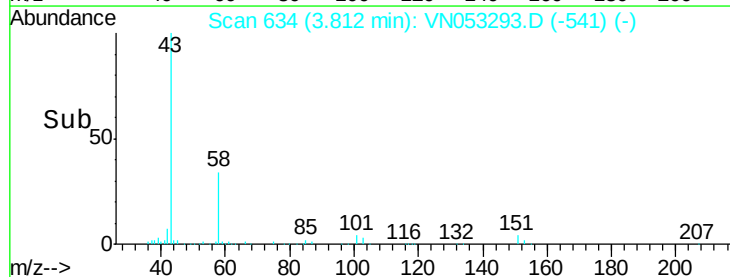
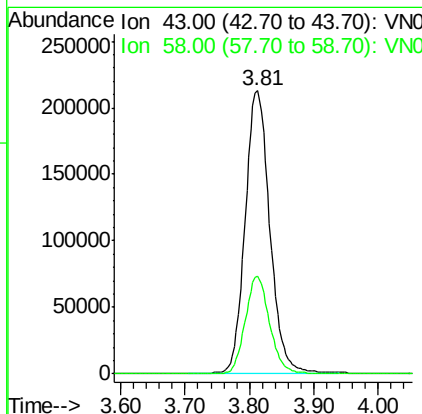
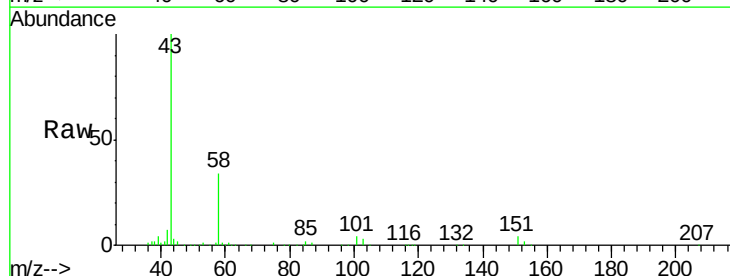
RT: 3.81 min Scan# 634

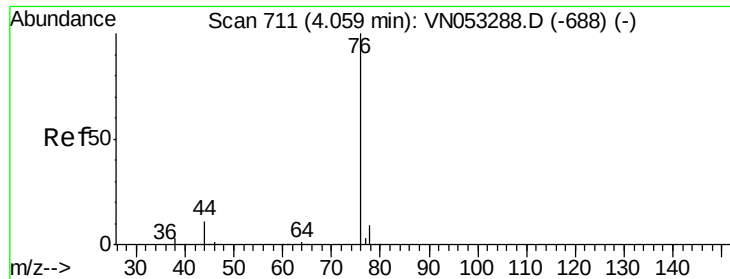
Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Tgt Ion:	43	Resp:	566670
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.8	41.6





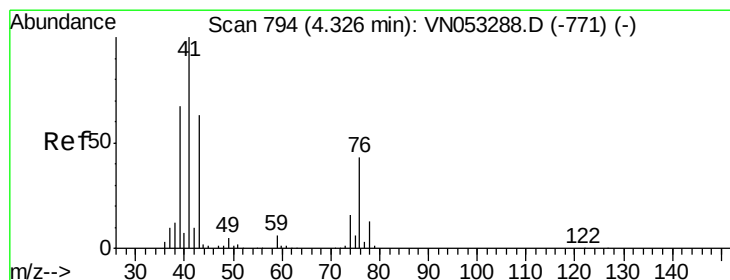
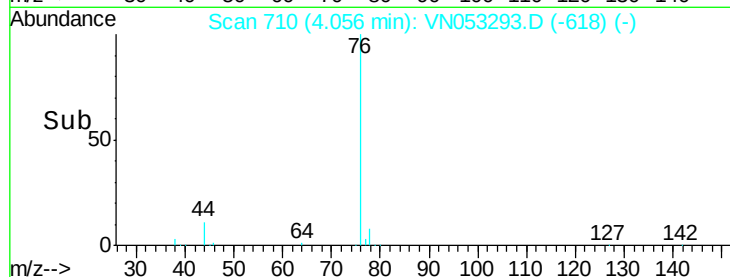
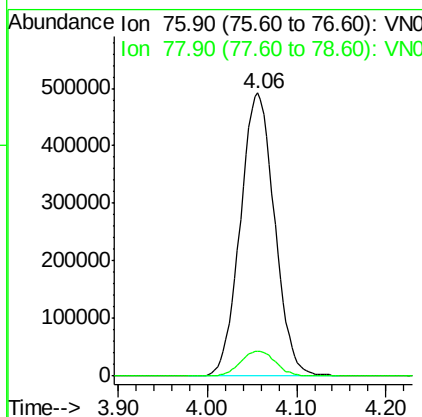
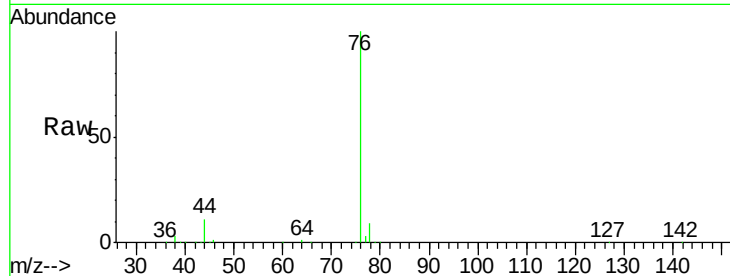
#17
Carbon Disulfide
Concen: 48.677 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1312044
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

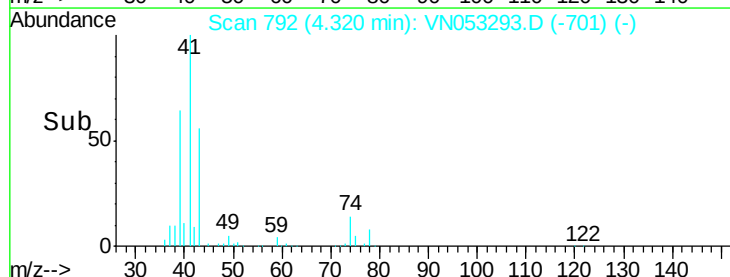
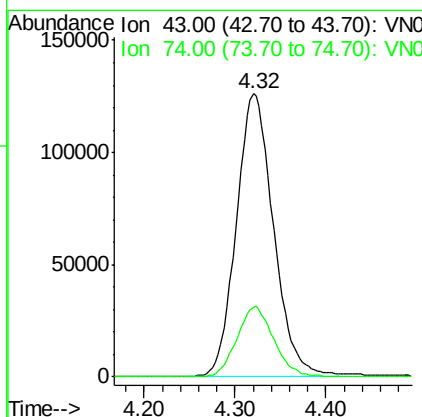
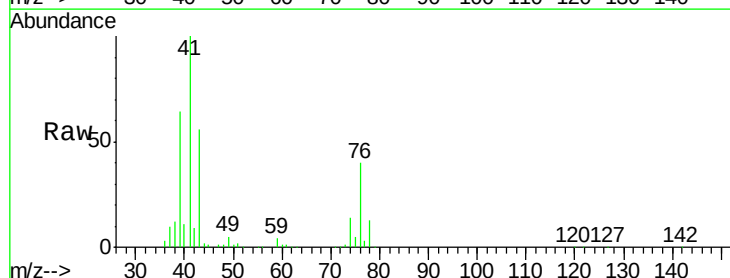
Manual Integrations
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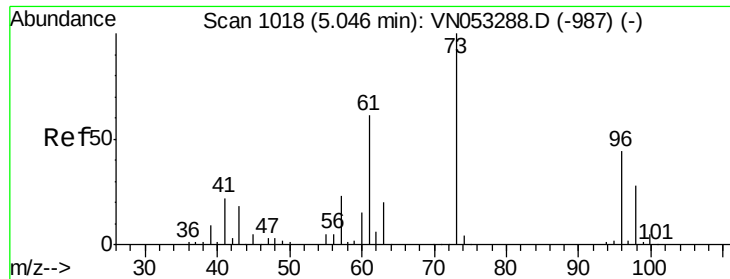
MMDadoda
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#18
Methyl Acetate
Concen: 40.440 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 43 Resp: 356782
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8





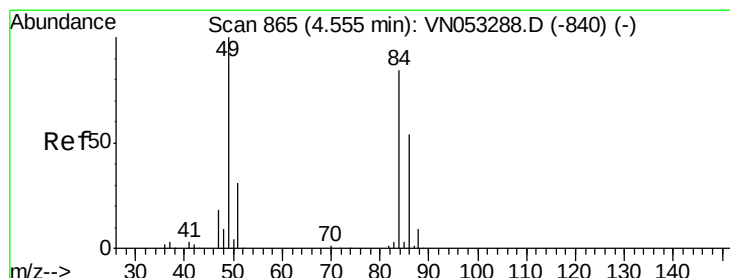
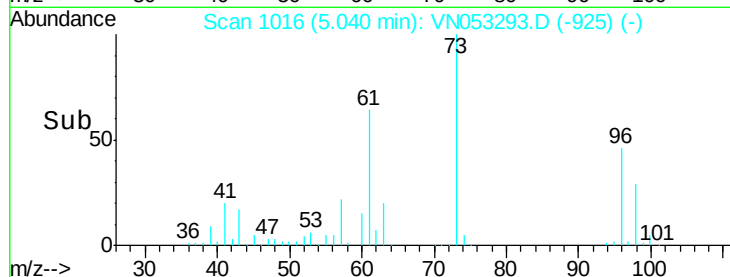
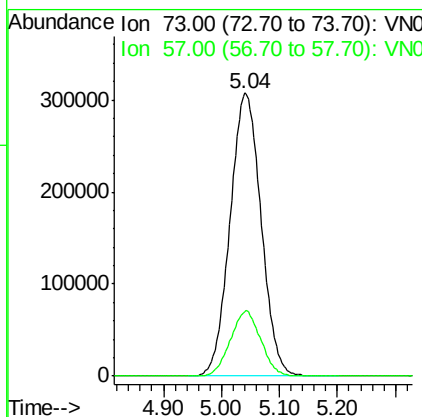
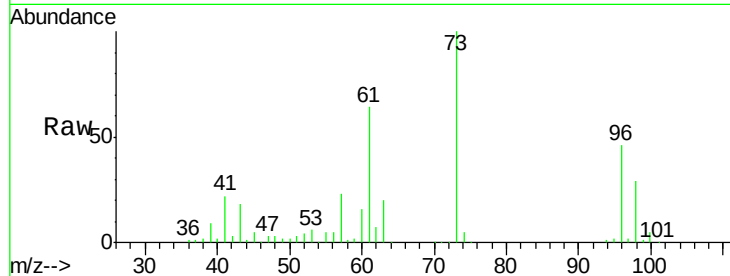
#19
Methyl tert-butyl Ether
Concen: 46.629 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 1144143
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7

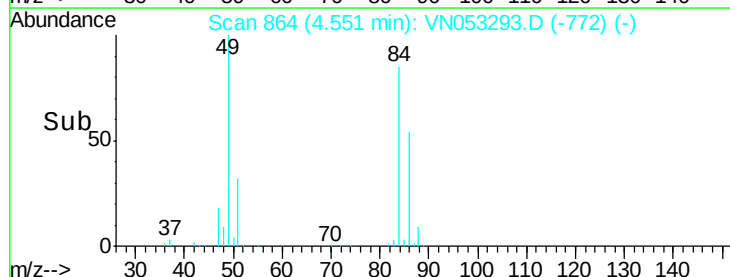
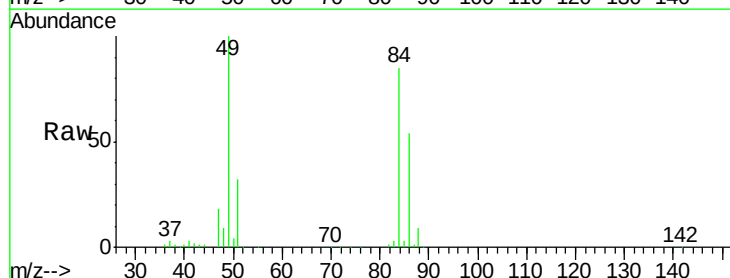
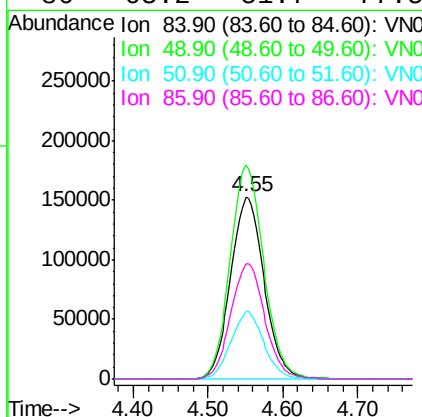
Manual Integrations
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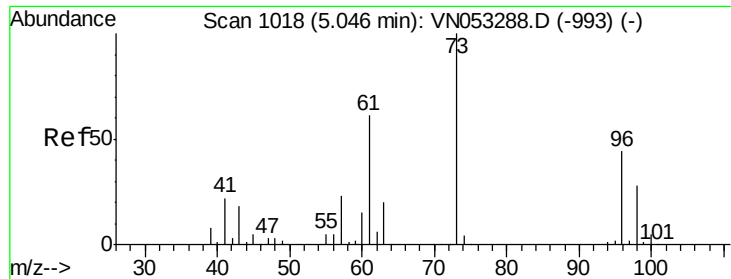
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1/8/2019 9:24:53 AM



#20
Methylene Chloride
Concen: 45.565 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 84 Resp: 477058
Ion Ratio Lower Upper
84 100
49 117.1 95.3 142.9
51 37.5 29.0 43.6
86 63.2 51.7 77.5





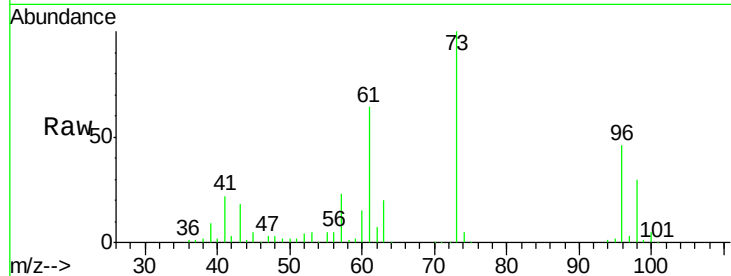
#21
trans-1,2-Dichloroethene
Concen: 48.518 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	110.2	165.4
98	65.0	50.7	76.1

Manual Integrations
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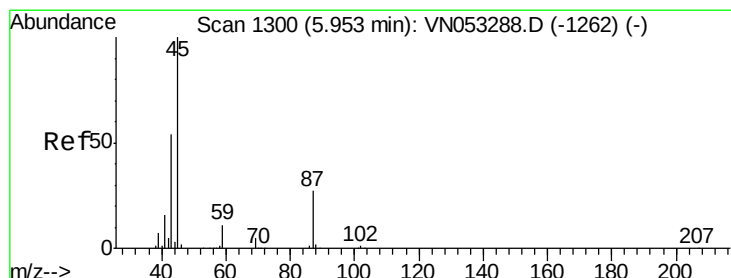
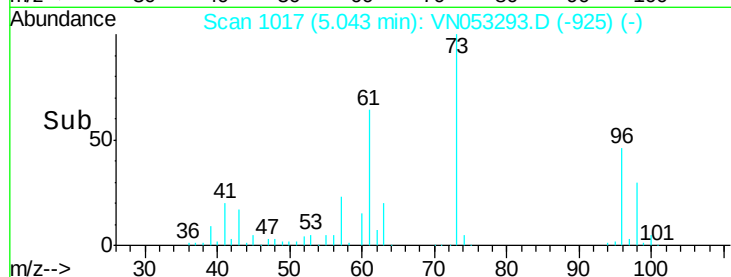
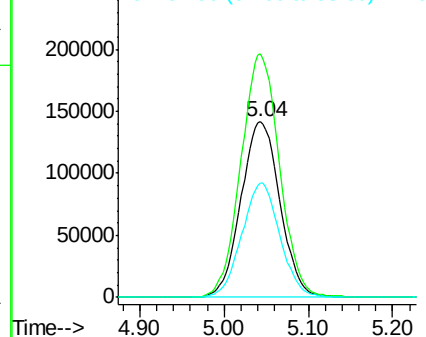


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 47.659 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	43.0	64.6
87	28.1	22.1	33.1
59	11.9	9.0	13.4

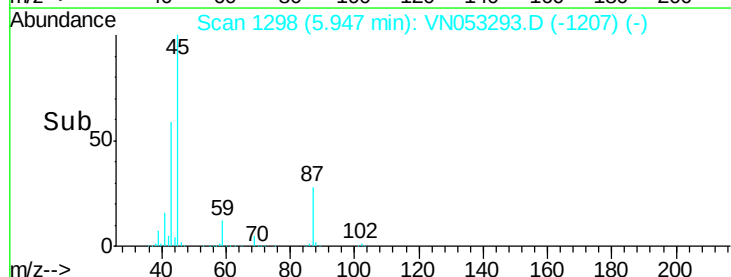
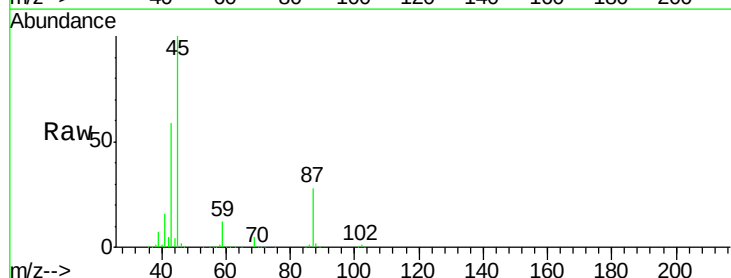
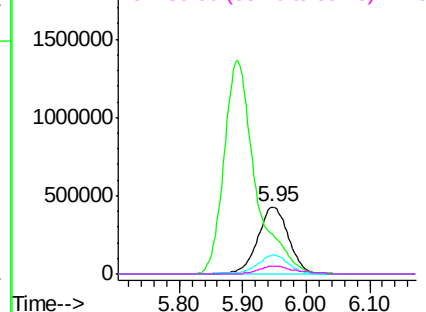
Abundance

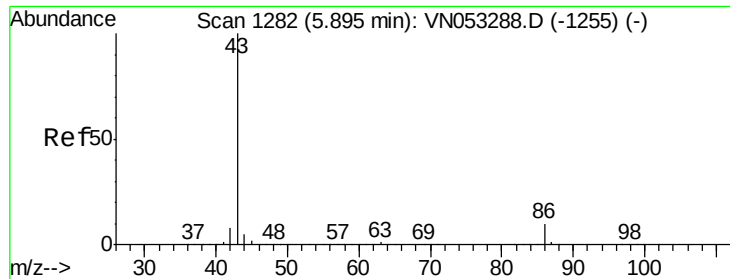
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 244.478 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4669642

Ion Ratio Lower Upper

43 100

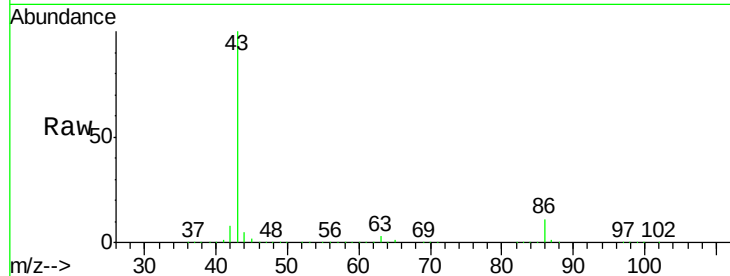
86 10.5 8.4 12.6

Manual Integrations

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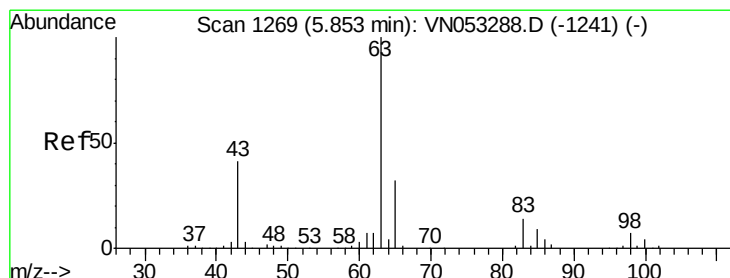
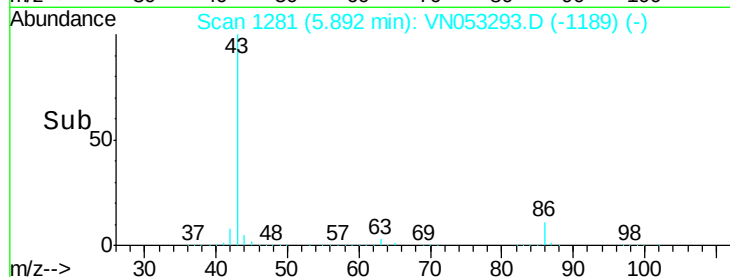
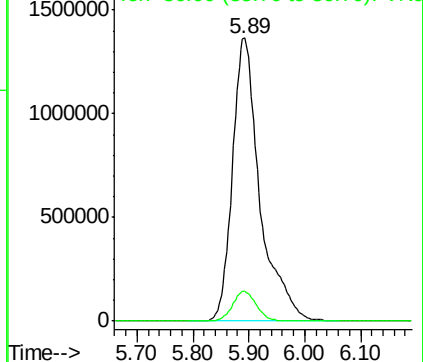
MMDadoda

1/8/2019 9:24:53 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.443 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

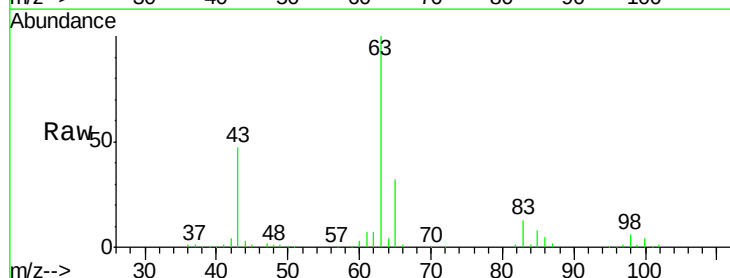
Tgt Ion: 63 Resp: 830626

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

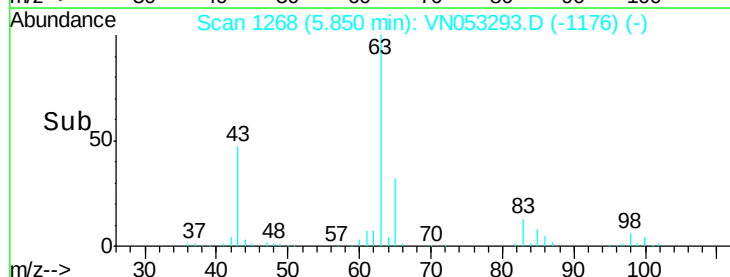
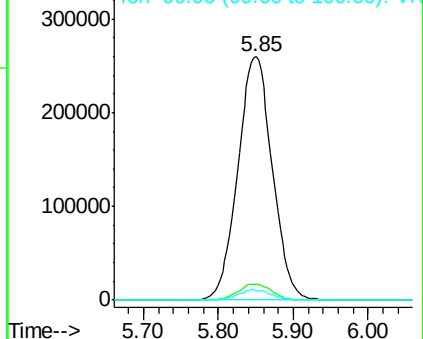
100 4.0 2.1 6.5

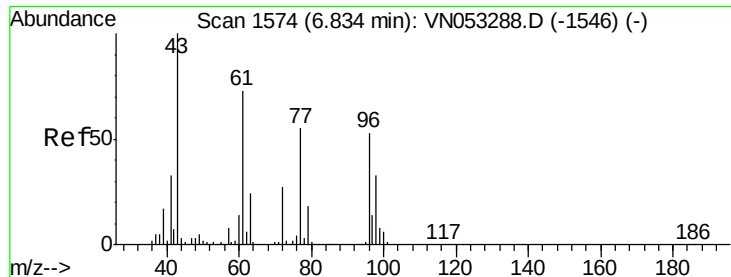


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





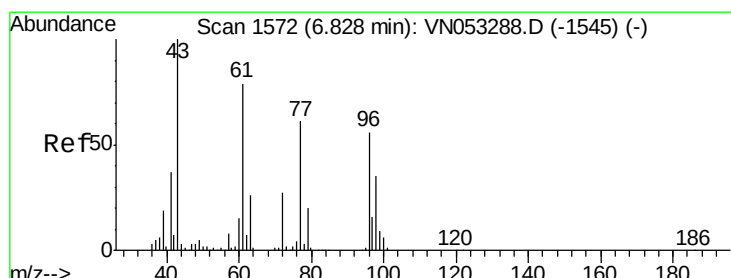
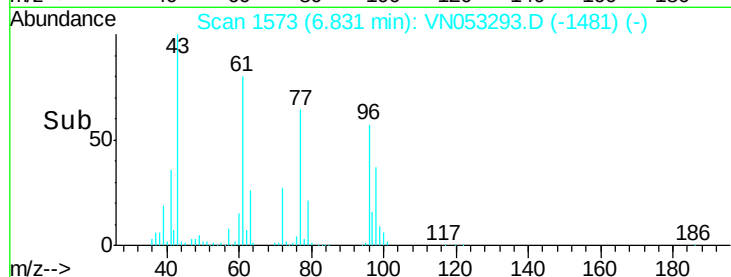
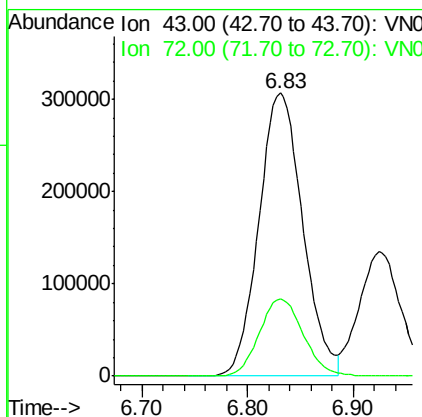
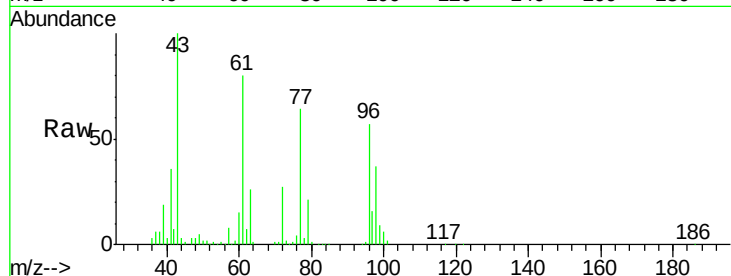
#25
2-Butanone
Concen: 221.121 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 884327
Ion Ratio Lower Upper
43 100
72 27.3 22.0 33.0

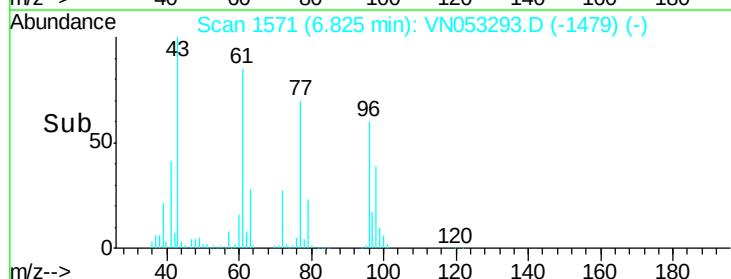
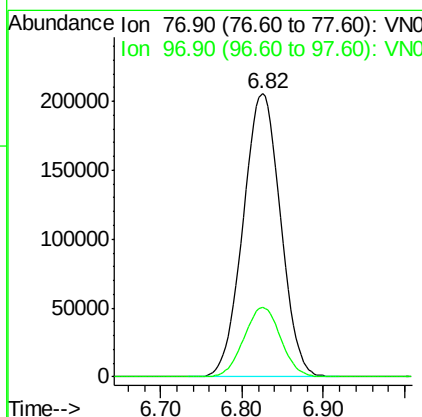
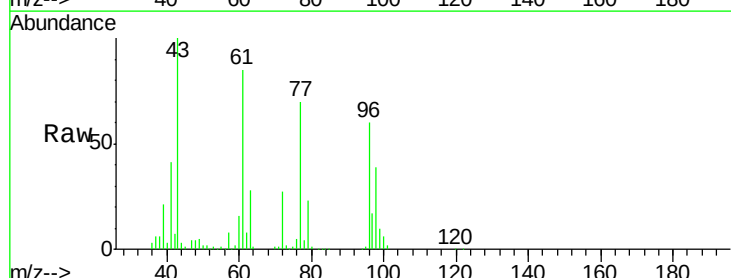
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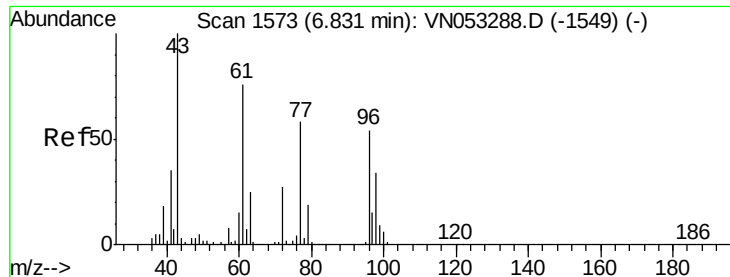
MMDadoda
1/8/2019 9:24:53 AM



#26
2,2-Dichloropropane
Concen: 50.993 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 77 Resp: 652616
Ion Ratio Lower Upper
77 100
97 24.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 48.202 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053293.D

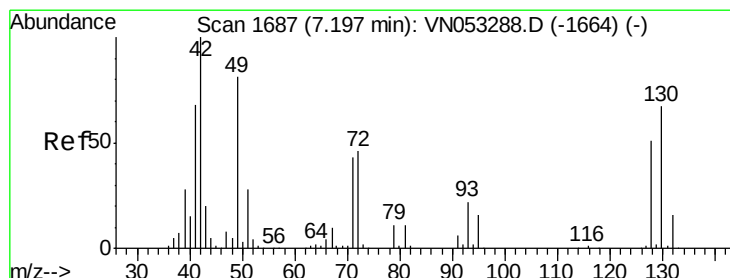
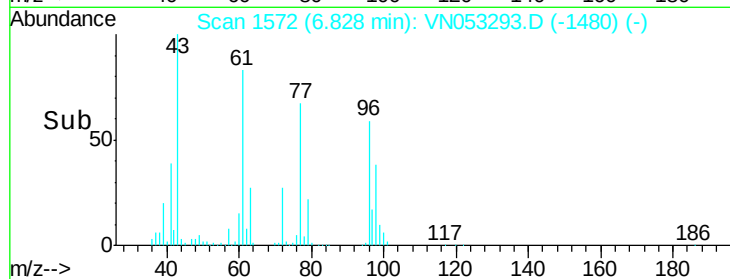
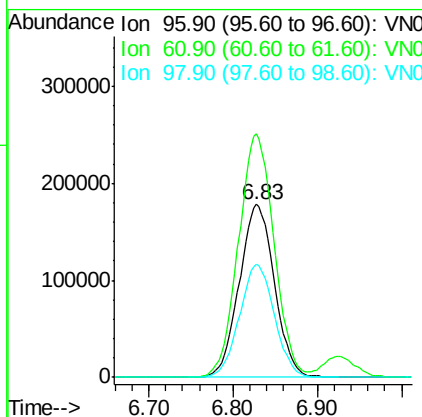
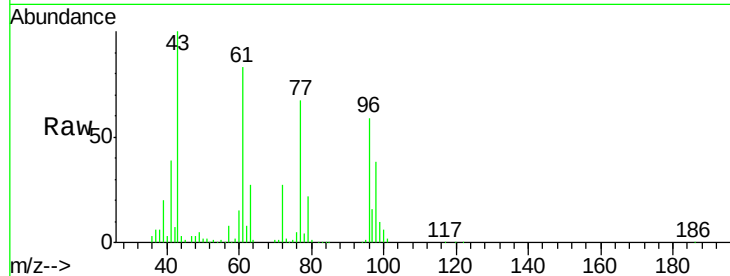
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	516720		
61	142.4	0.0	280.6	
98	64.9	0.0	127.6	

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#28

Bromochloromethane

Concen: 48.953 ug/l

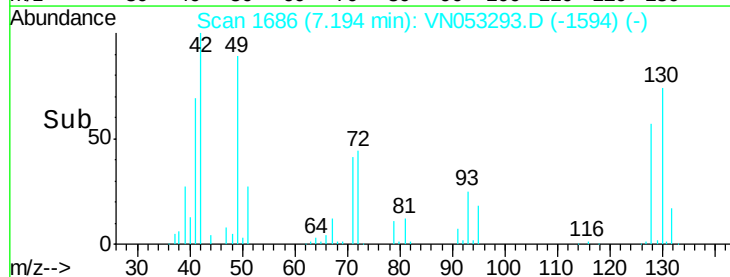
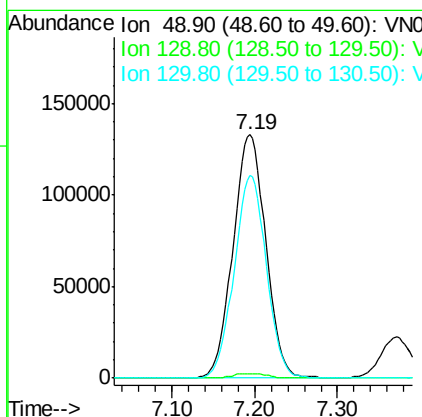
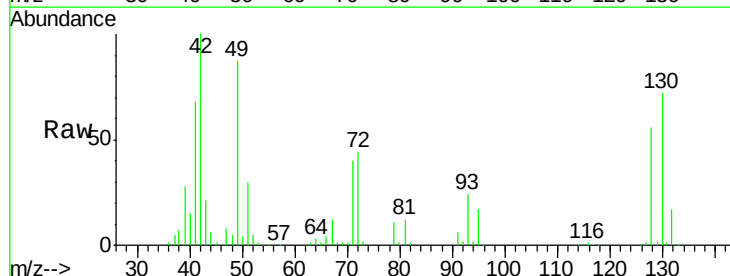
RT: 7.19 min Scan# 1686

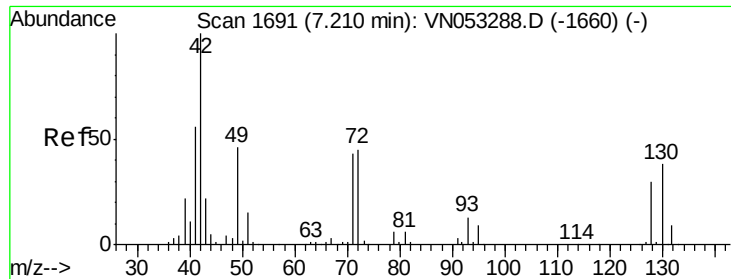
Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	365227		
129	2.0	0.0	3.8	
130	81.8	65.4	98.0	





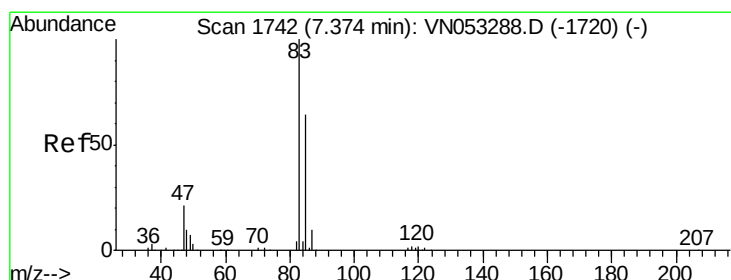
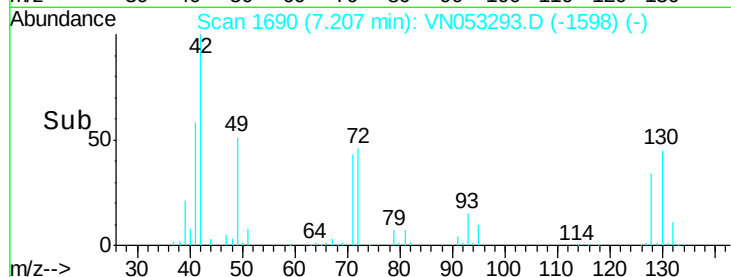
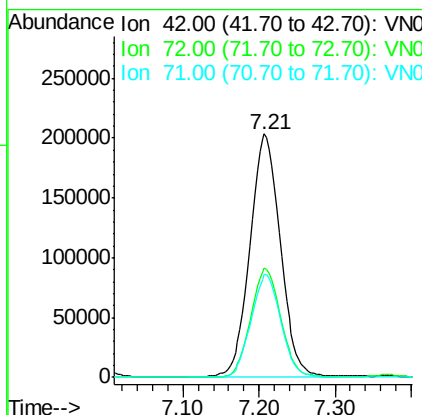
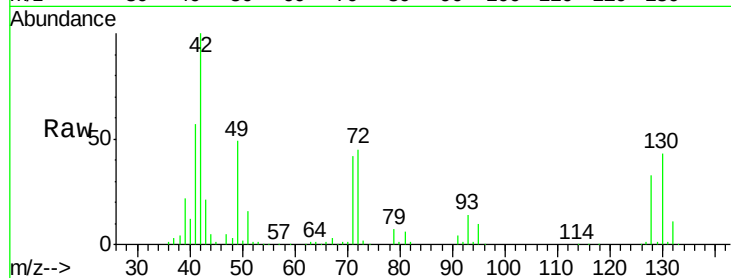
#29
Tetrahydrofuran
Concen: 215.051 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.6	53.4
71	41.6	33.8	50.8

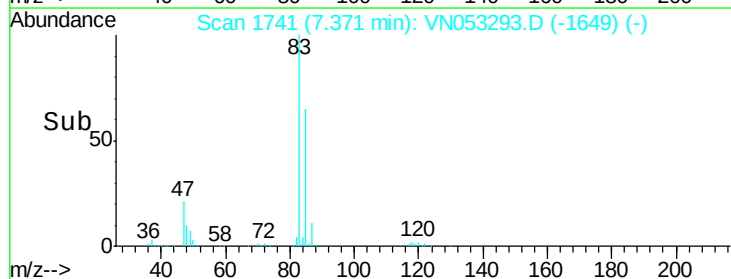
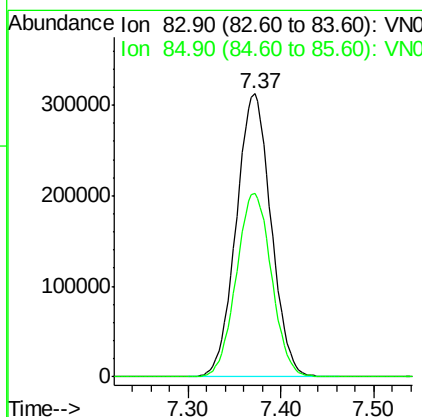
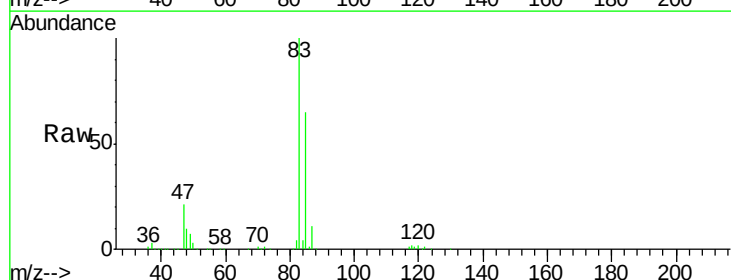
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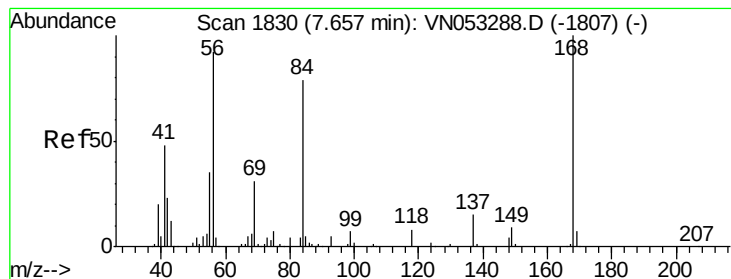
MMDadoda
1/8/2019 9:24:53 AM



#30
Chloroform
Concen: 47.286 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.3	76.9





#31

Cyclohexane

Concen: 48.606 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 808773

Ion Ratio Lower Upper

56 100

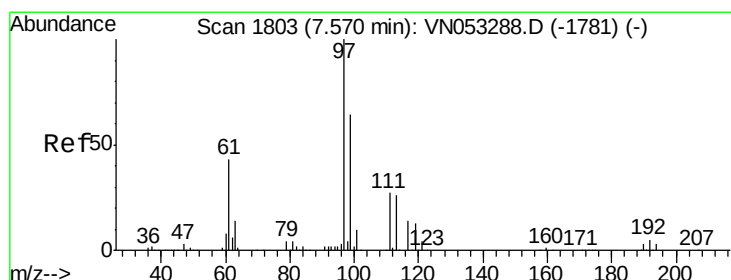
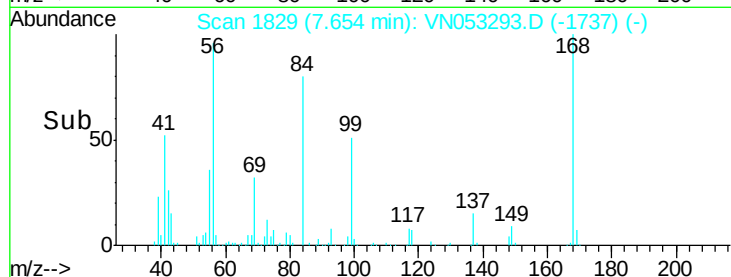
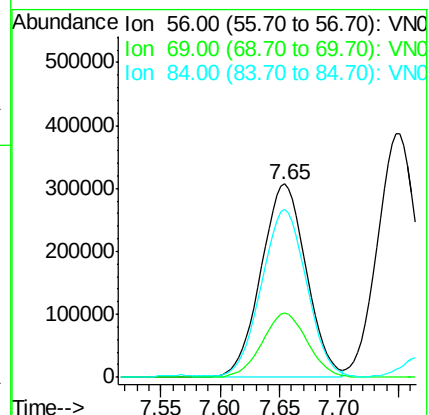
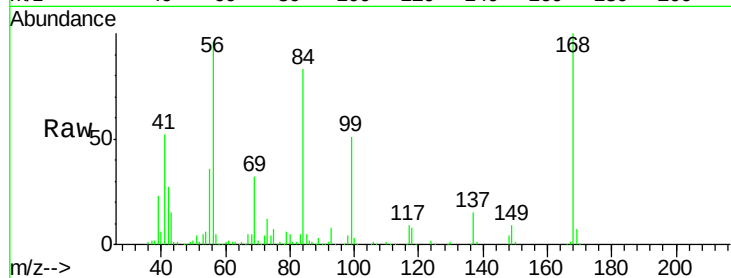
69 33.4 26.7 40.1

84 85.8 68.2 102.4

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#32

1,1,1-Trichloroethane

Concen: 47.664 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

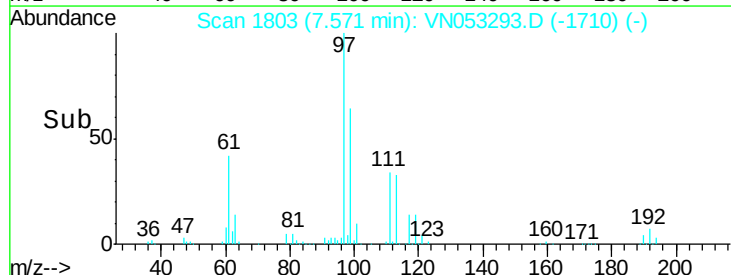
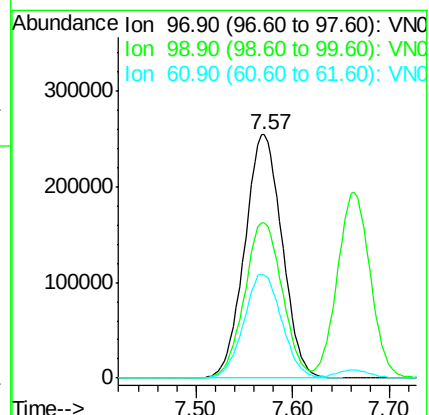
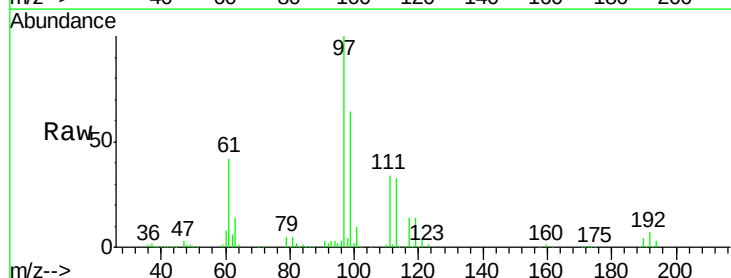
Tgt Ion: 97 Resp: 684447

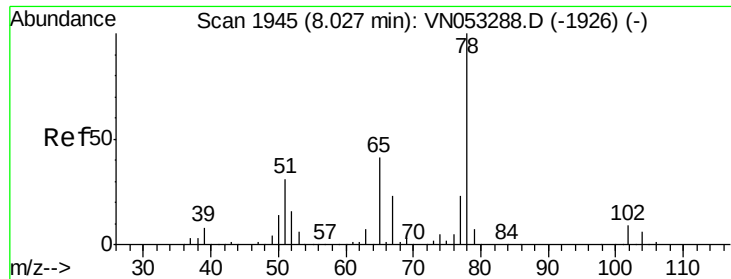
Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

61 43.1 34.6 52.0





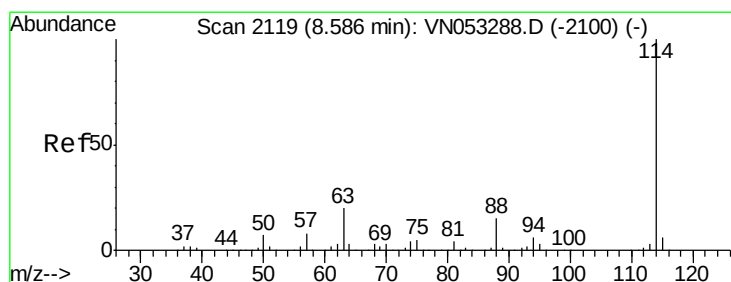
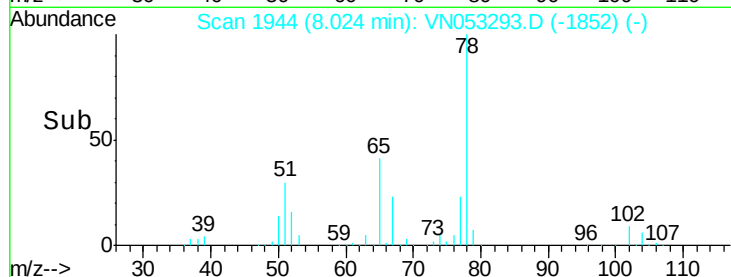
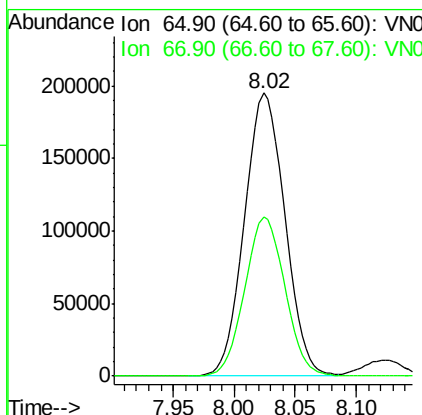
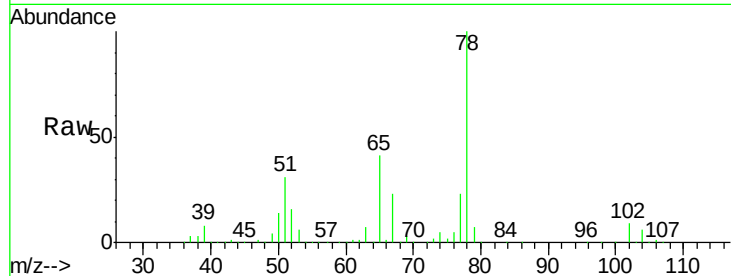
#33
 1,2-Dichloroethane-d4
 Concen: 47.664 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	448938		
67	55.6	0.0	111.0	

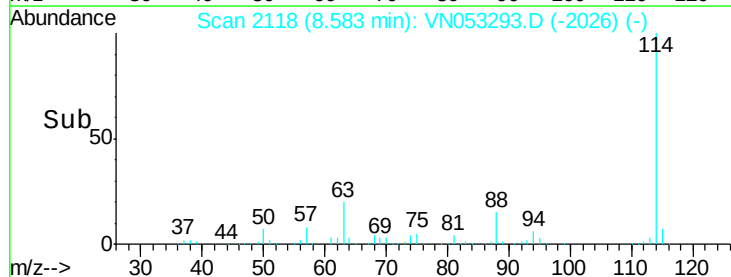
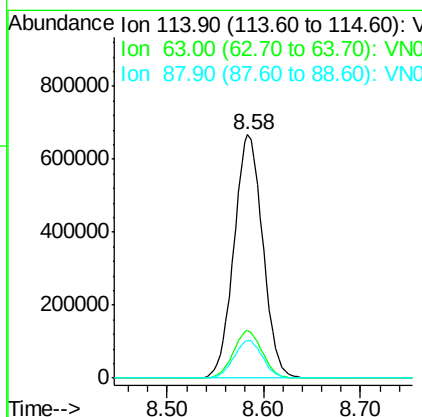
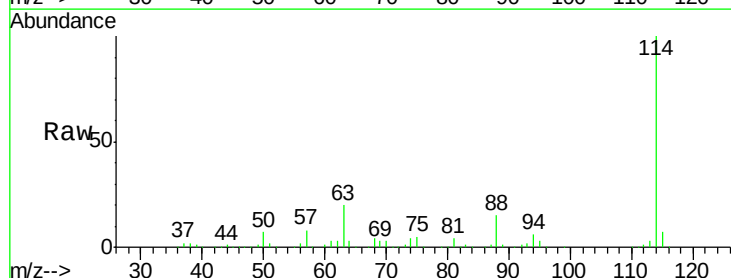
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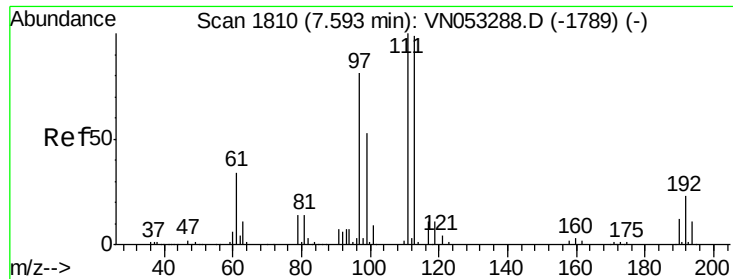
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1378465		
63	19.5	0.0	39.0	
88	15.5	0.0	30.8	





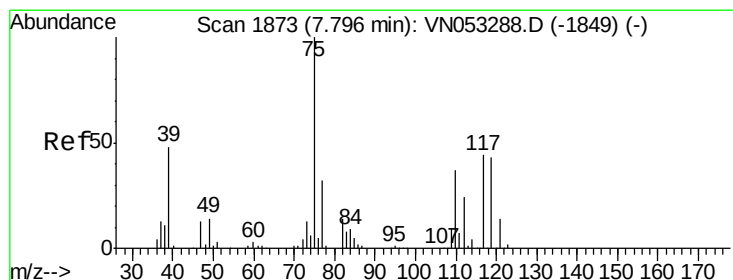
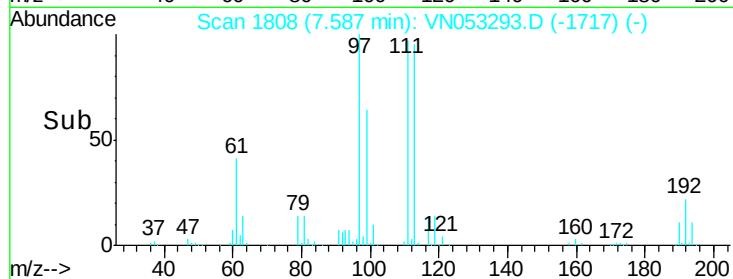
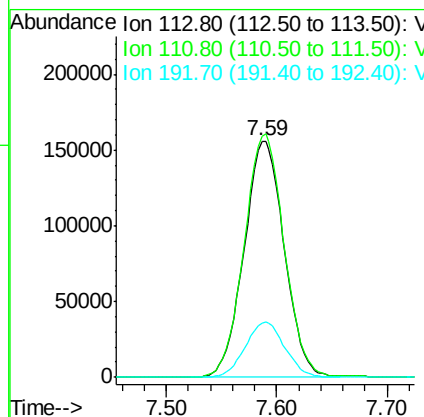
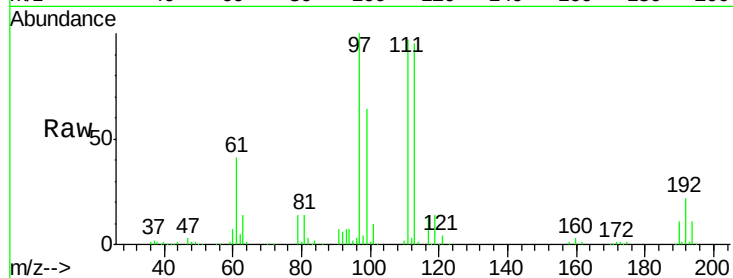
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.4	122.2	
192	23.0	17.9	26.9	

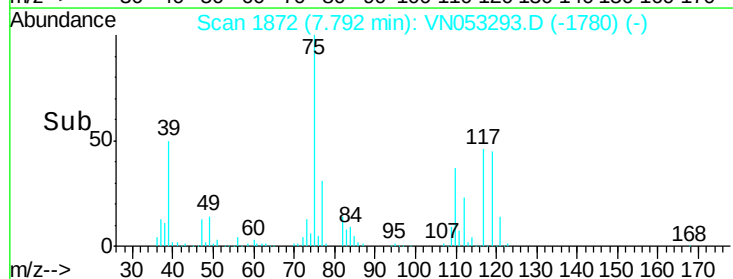
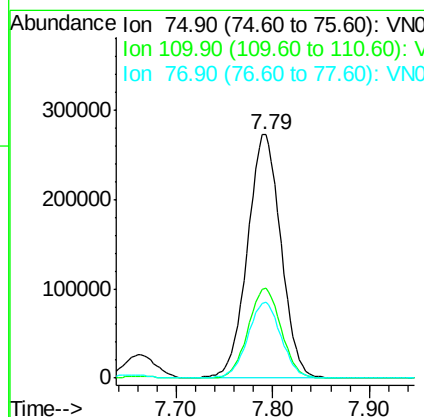
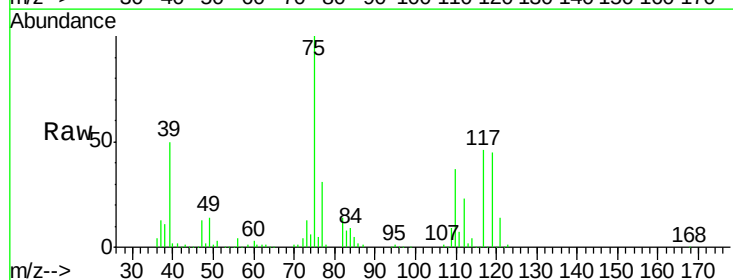
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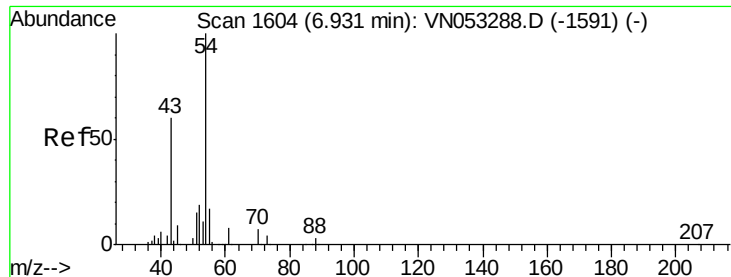
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.670 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	18.4	55.0	
77	31.2	25.3	37.9	





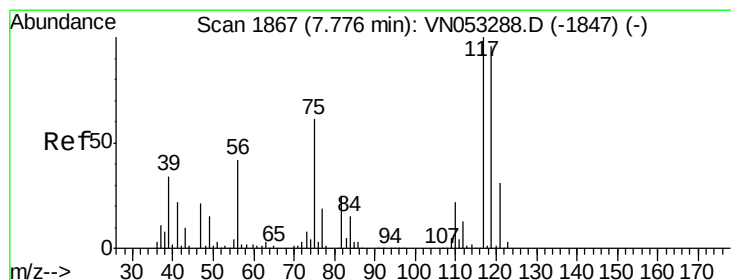
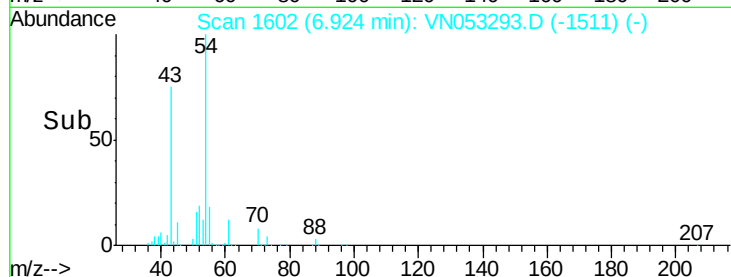
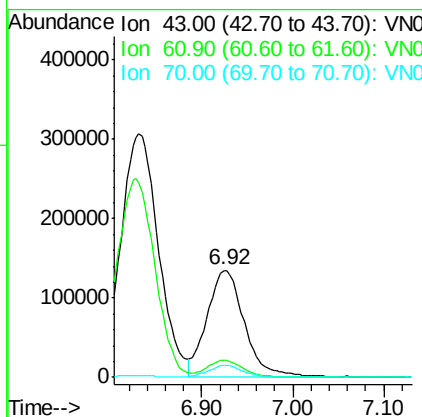
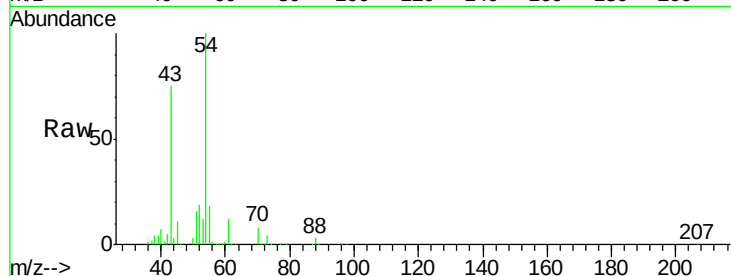
#37
Ethyl Acetate
Concen: 45.400 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.9	17.9
70	10.7	8.6	13.0

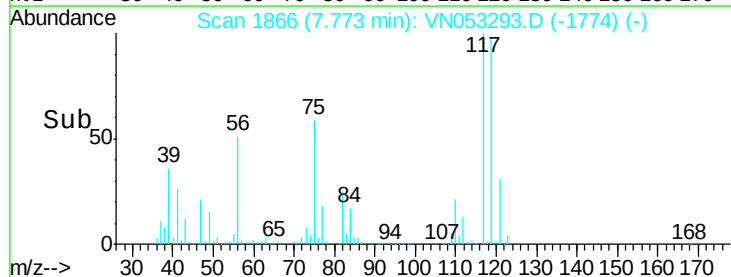
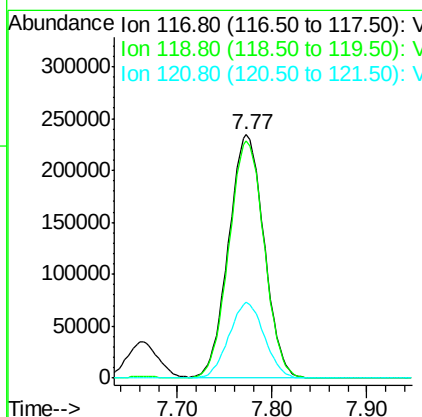
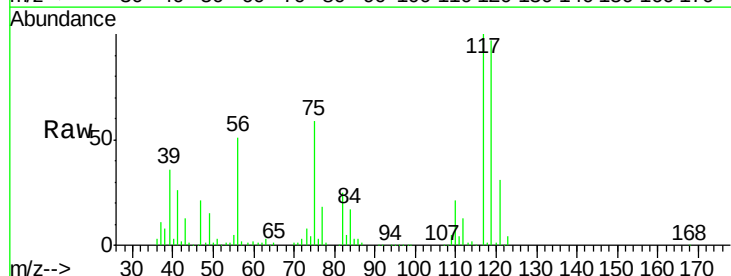
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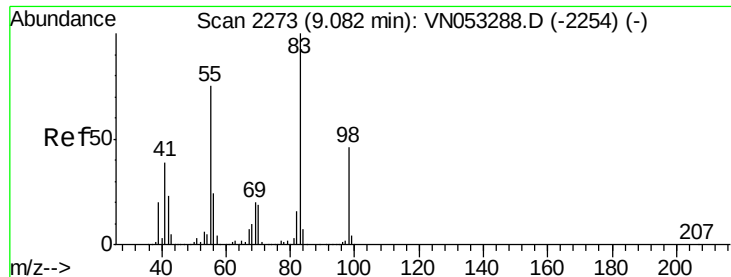
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#38
Carbon Tetrachloride
Concen: 51.287 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.6	115.0
121	31.2	25.0	37.4





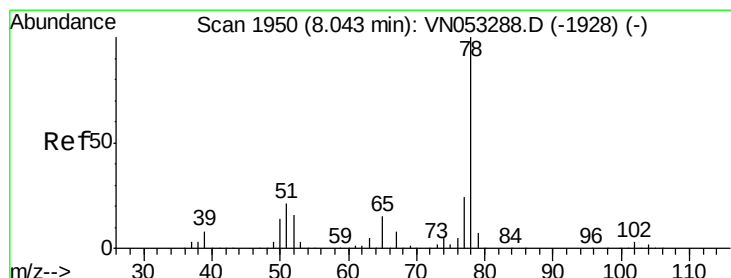
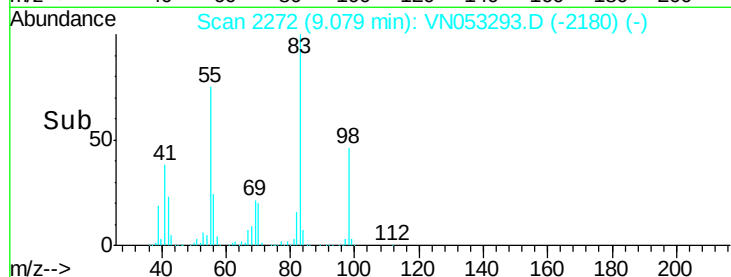
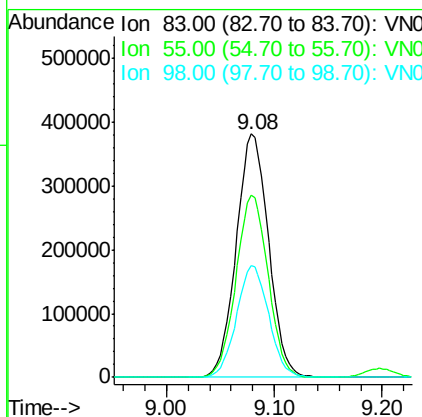
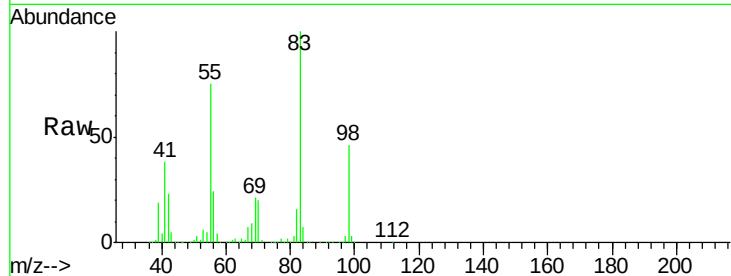
#39
Methylvlcyclohexane
Concen: 53.587 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	60.1	90.1
98	45.7	36.7	55.1

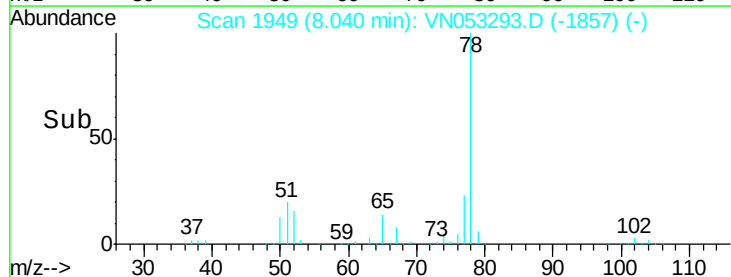
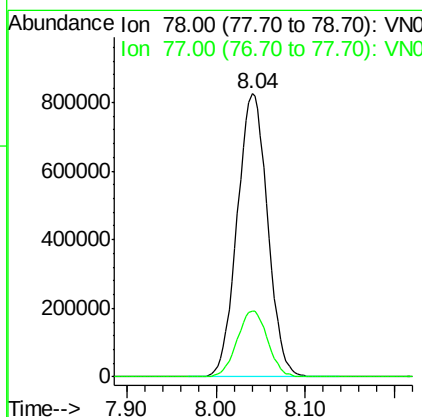
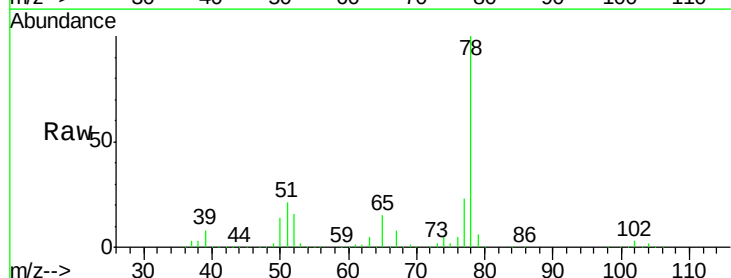
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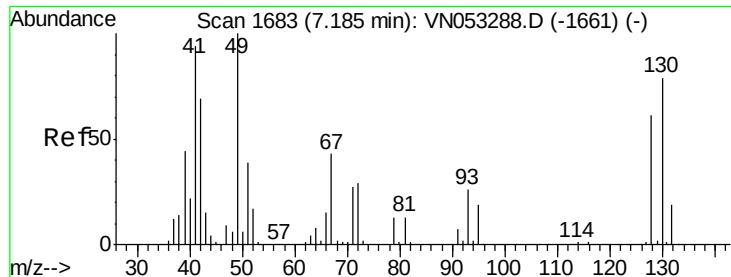
MMDadoda
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#40
Benzene
Concen: 49.706 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





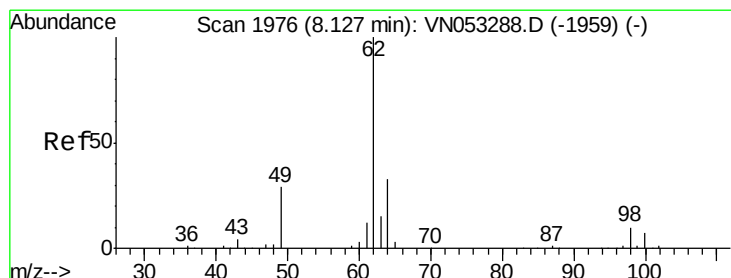
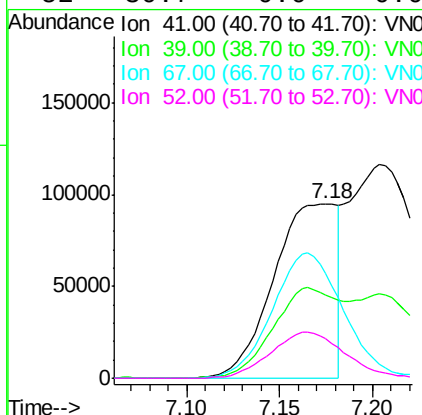
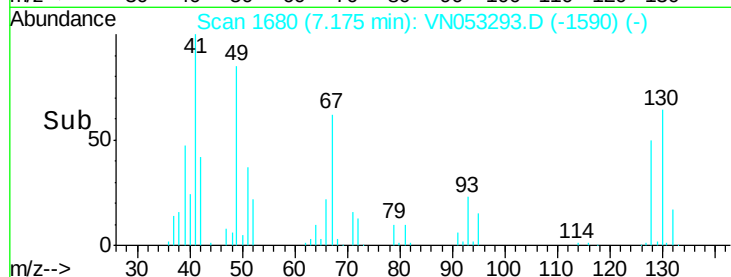
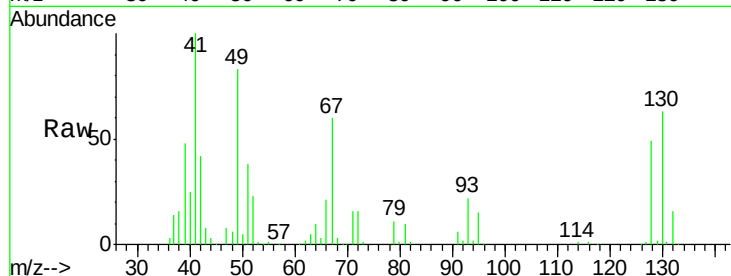
#41
Methacrylonitrile
Concen: 43.460 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	53.7	0.0	0.0	#
67	80.7	0.0	0.0	#
52	30.7	0.0	0.0	#

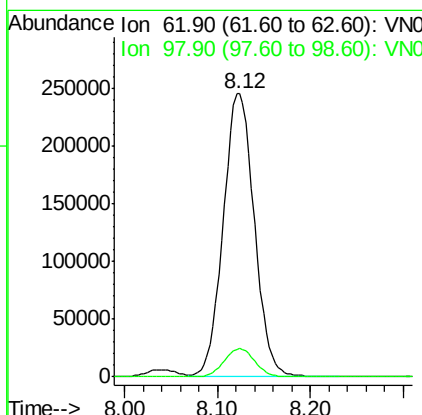
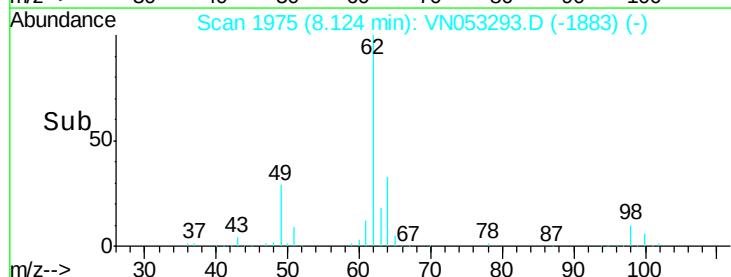
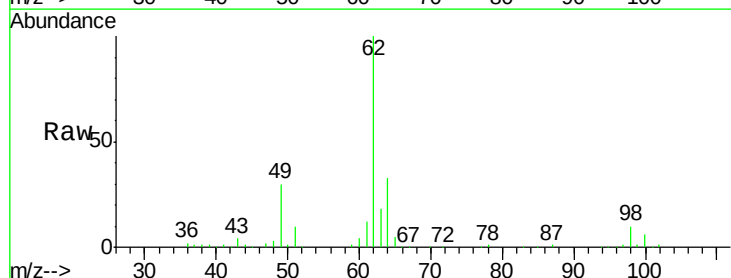
Manual Integrations
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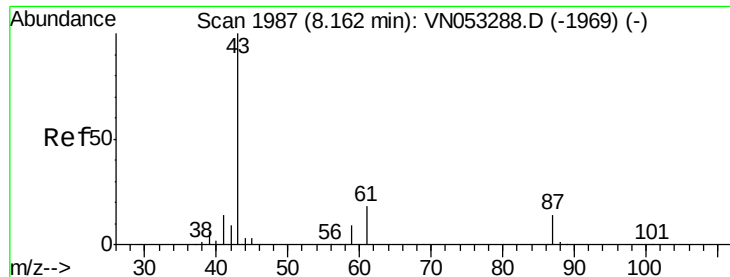
MMDadoda
1/8/2019 9:24:53 AM



#42
1,2-Dichloroethane
Concen: 48.733 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.9	0.0	20.2	





#43

Isopropyl Acetate

Concen: 42.081 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

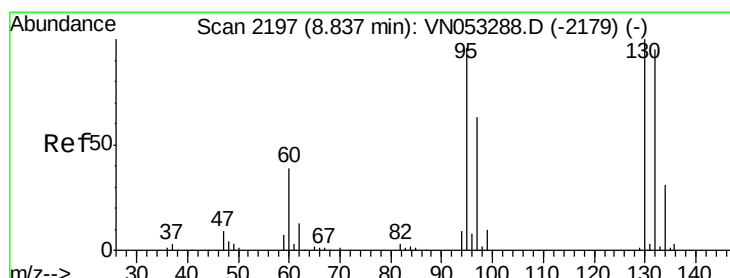
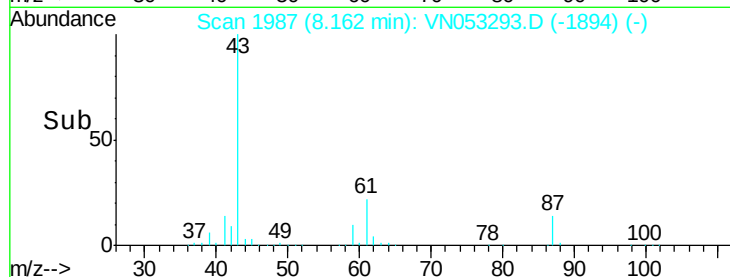
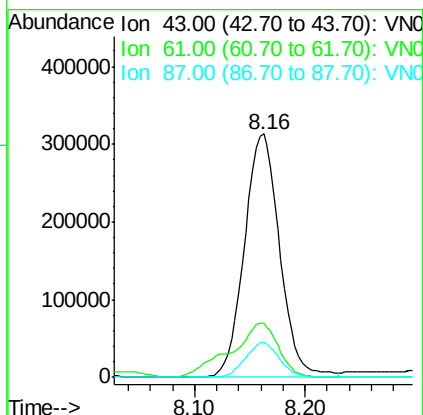
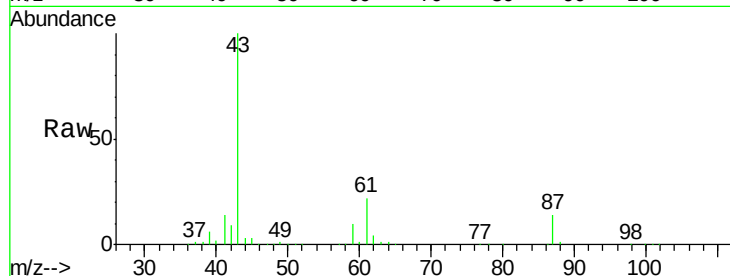
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	693905
Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.3	34.9
87	13.7	10.8	16.2

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#44

Trichloroethene

Concen: 49.767 ug/l

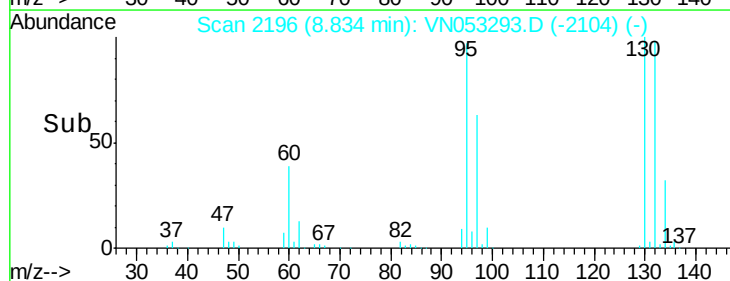
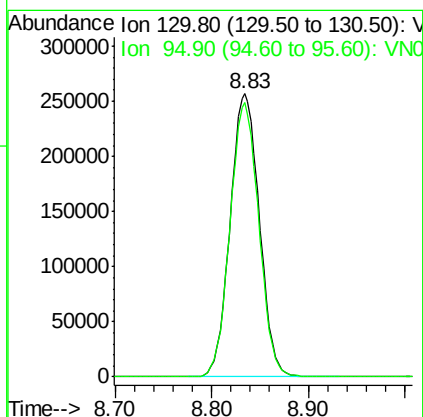
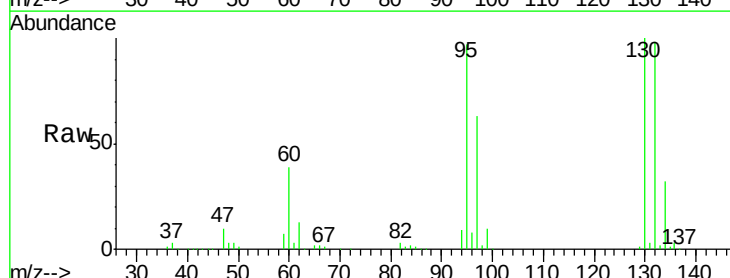
RT: 8.83 min Scan# 2196

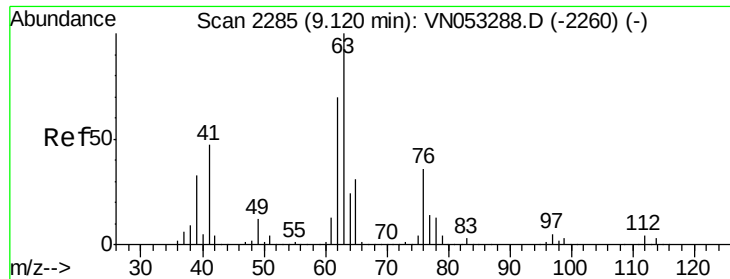
Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Tgt Ion:	130	Resp:	537177
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	191.8





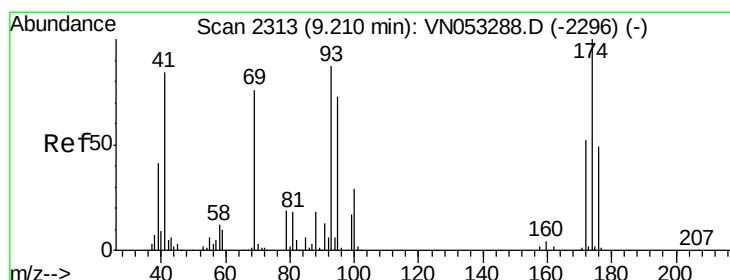
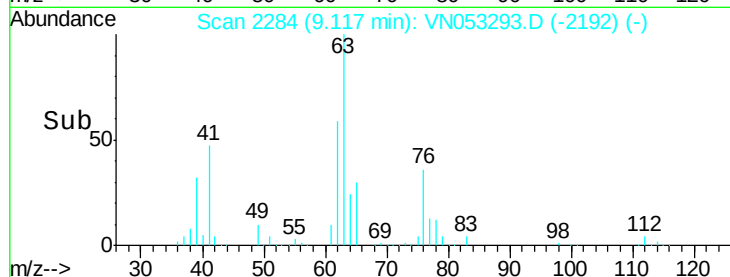
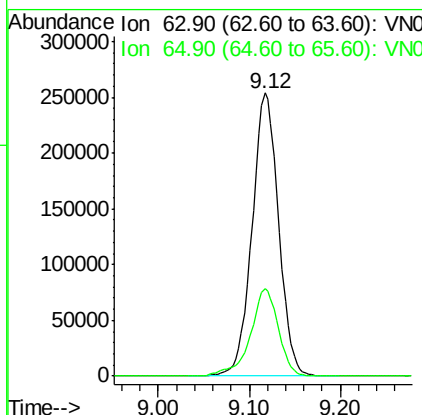
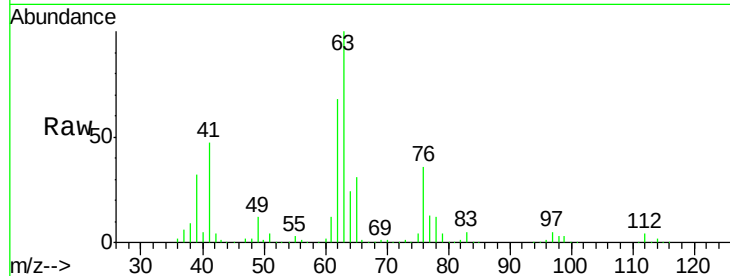
#45
 1,2-Dichloropropane
 Concen: 49.716 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 512577
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6

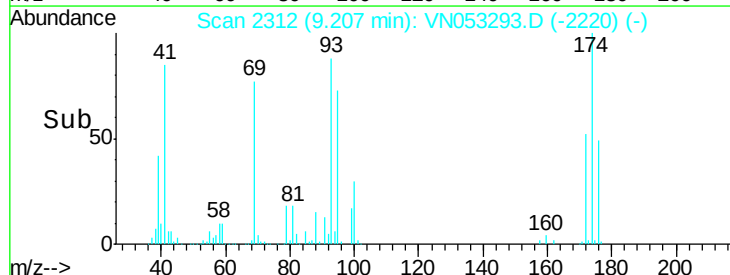
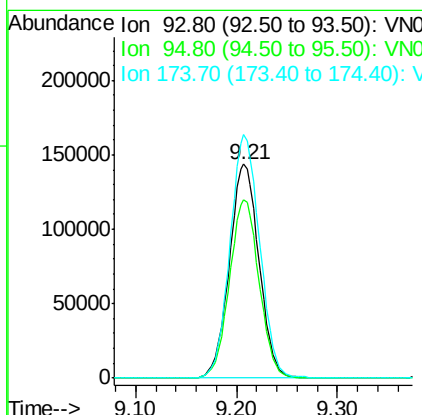
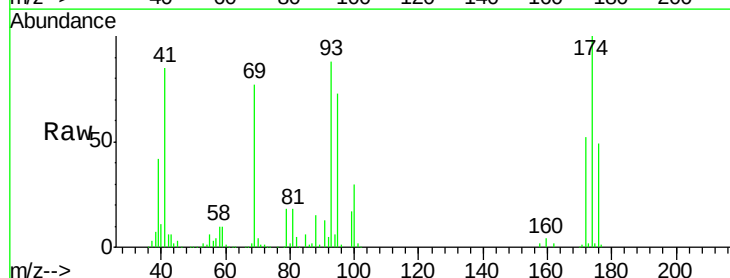
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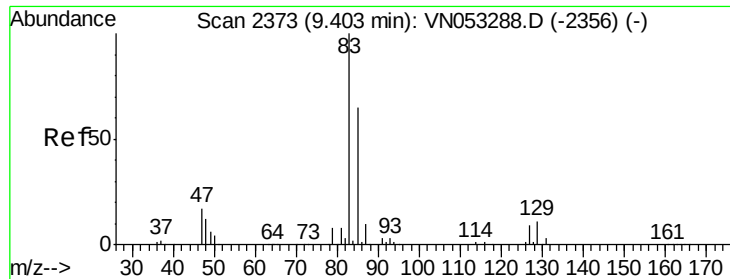
MMDadoda
 1/8/2019 9:24:53 AM



#46
 Dibromomethane
 Concen: 48.906 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion: 93 Resp: 293996
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 113.9 91.4 137.0





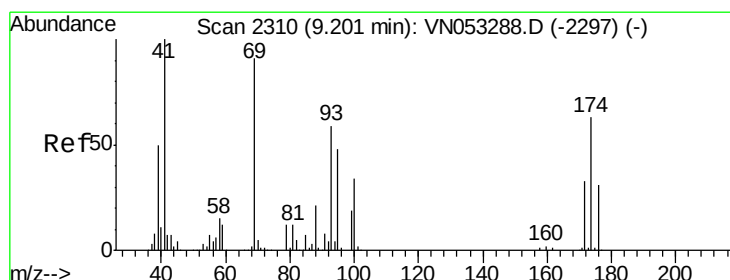
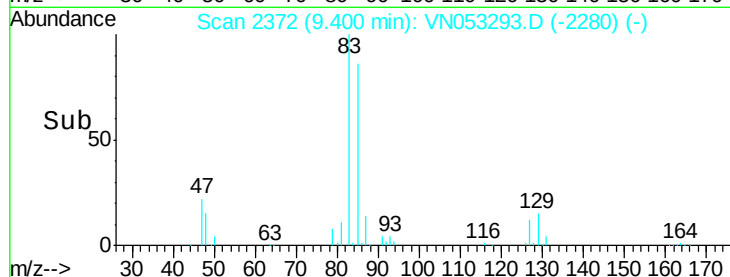
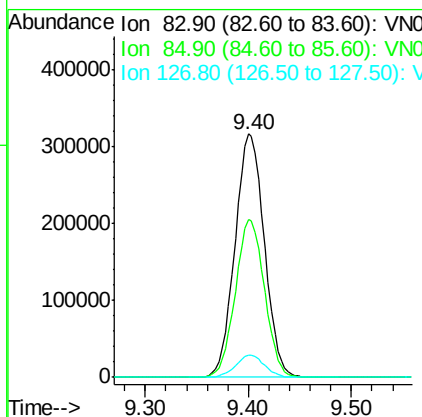
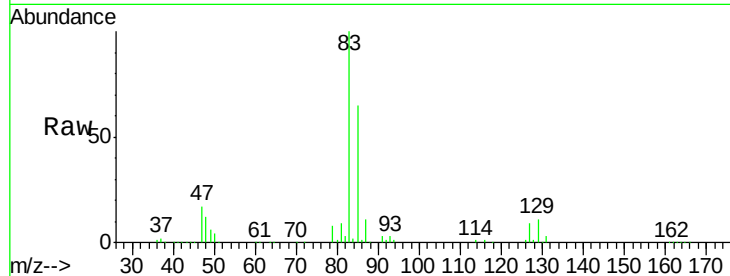
#47
Bromodichloromethane
Concen: 49.988 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	626222
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.7	77.5
127	9.0	7.0	10.6

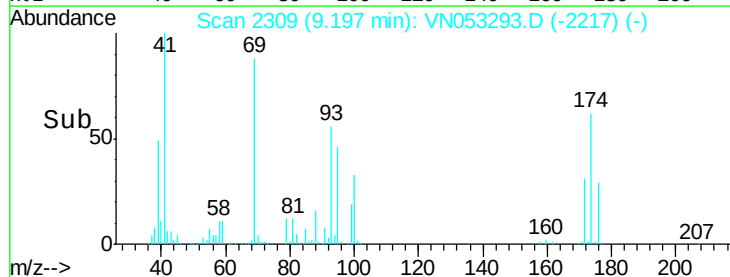
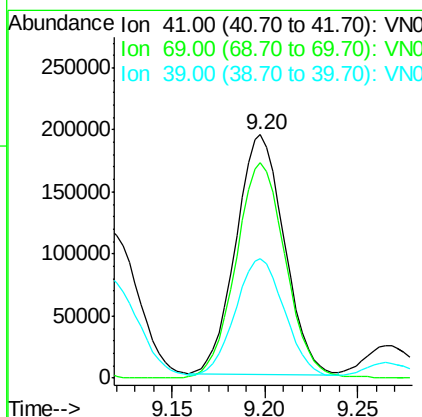
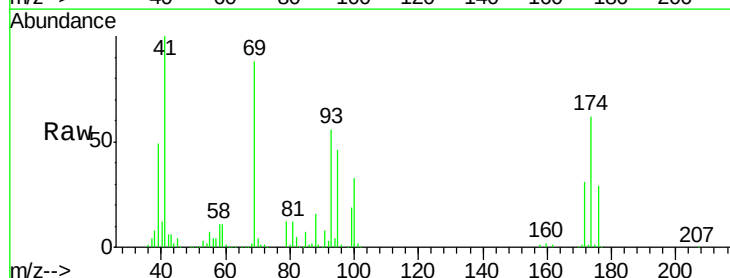
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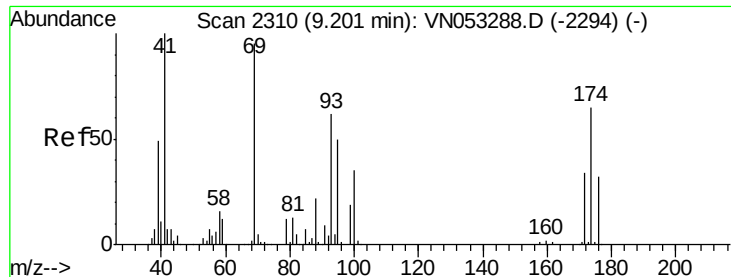
MMDadoda
1/8/2019 9:24:53 AM



#48
Methyl methacrylate
Concen: 46.554 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	41	Resp	348767
Ion Ratio	100	Lower	Upper
41	100		
69	92.9	73.5	110.3
39	51.9	41.6	62.4





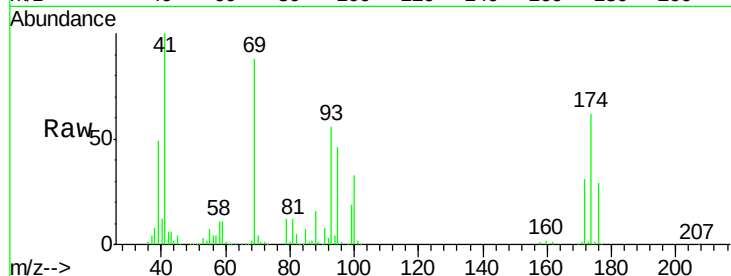
#49
1,4-Dioxane
Concen: 807.264 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	26.2	39.4
58	71.6	55.5	83.3

Manual Integrations
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1/8/2019 9:24:53 AM

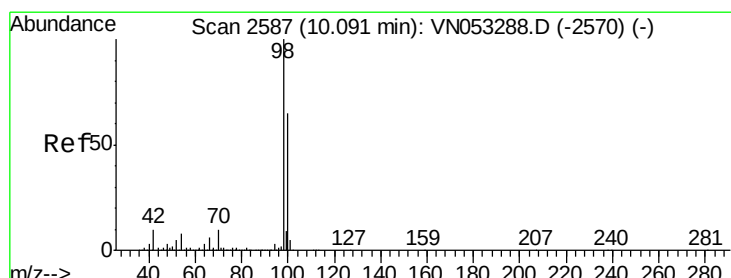
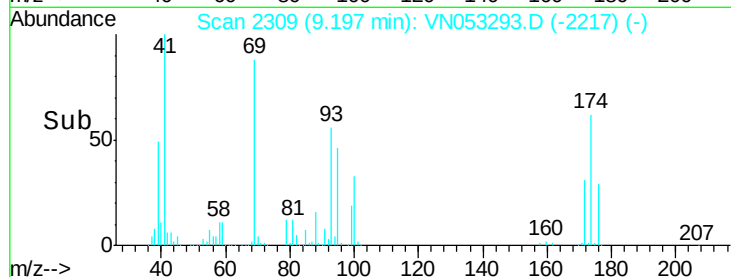
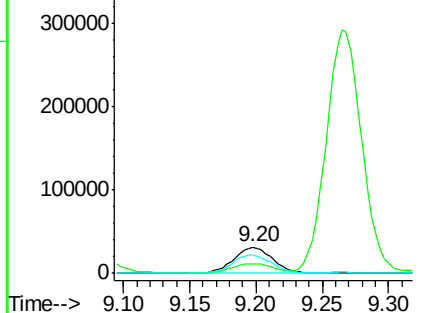


Abundance

Ion 88.00 (87.70 to 88.70): VN053288.D (-2294) (-)

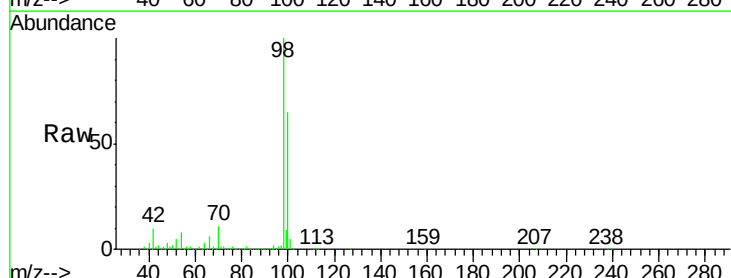
Ion 43.00 (42.70 to 43.70): VN053288.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053288.D (-2294) (-)



#50
Toluene-d8
Concen: 807.264 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

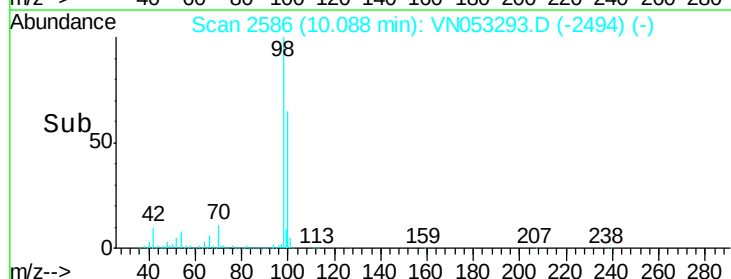
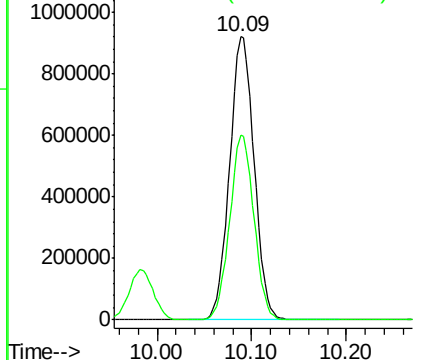
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.5	77.3

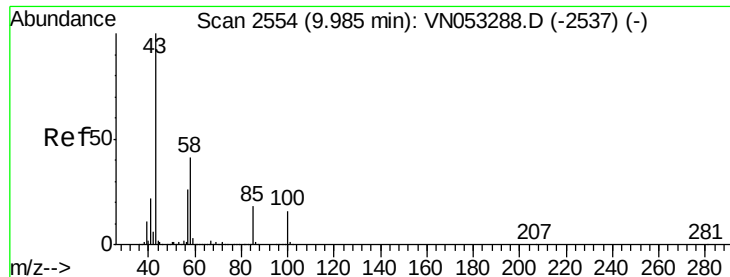


Abundance

Ion 98.00 (97.70 to 98.70): VN053288.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053288.D (-2570) (-)





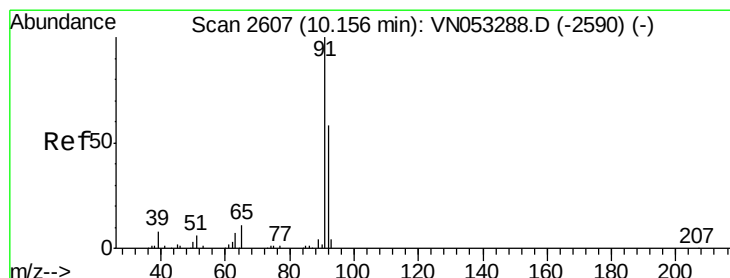
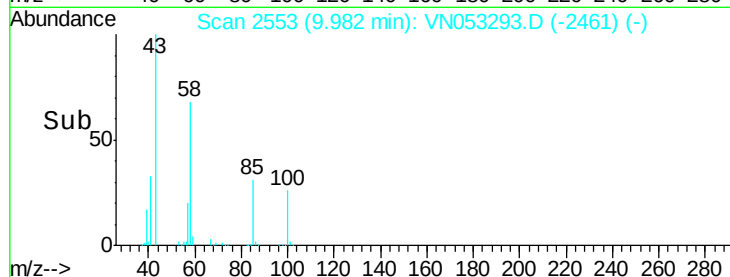
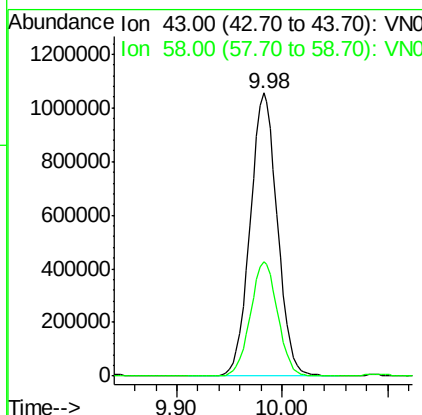
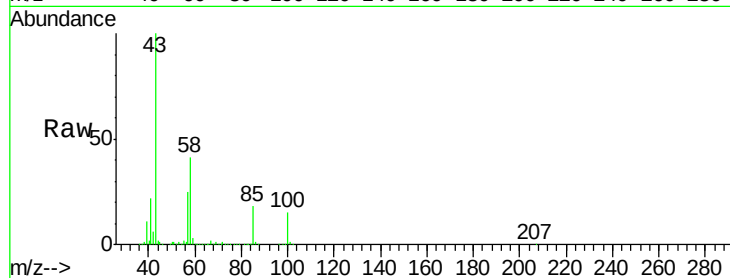
#51
4-Methyl-2-Pentanone
Concen: 228.151 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1891945
Ion Ratio Lower Upper
43 100
58 40.7 32.7 49.1

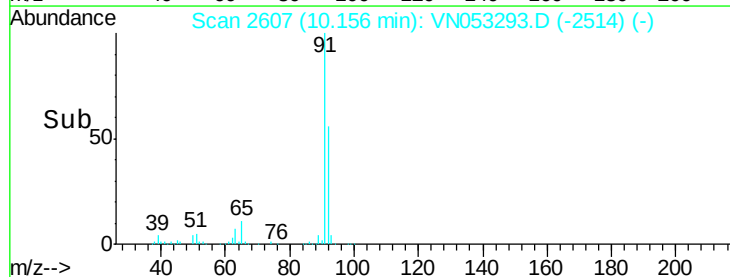
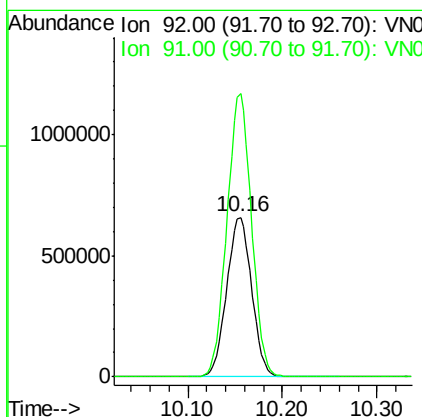
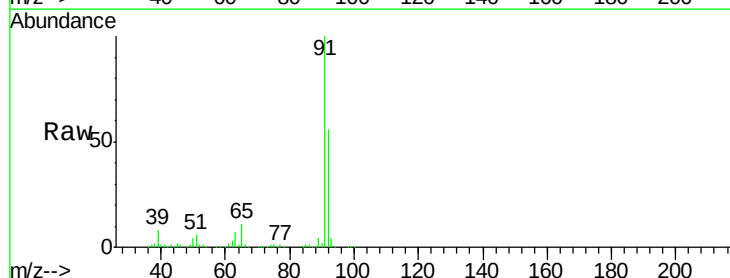
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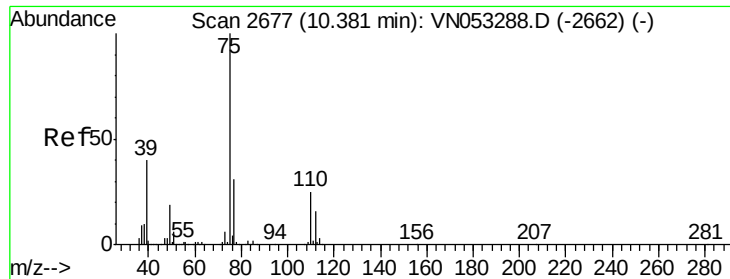
MMDadoda
1/8/2019 9:24:53 AM



#52
Toluene
Concen: 49.984 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 92 Resp: 1205441
Ion Ratio Lower Upper
92 100
91 175.1 138.6 208.0





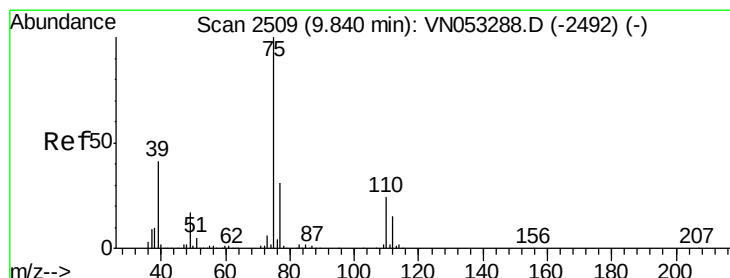
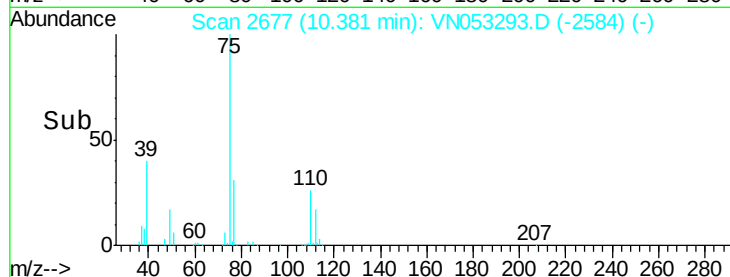
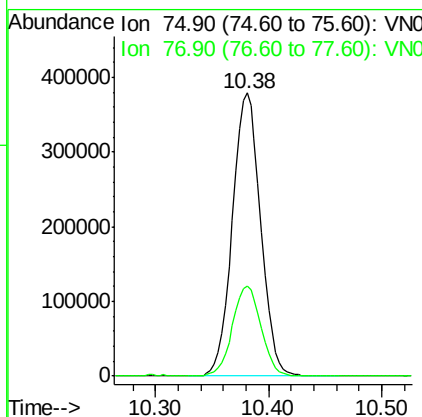
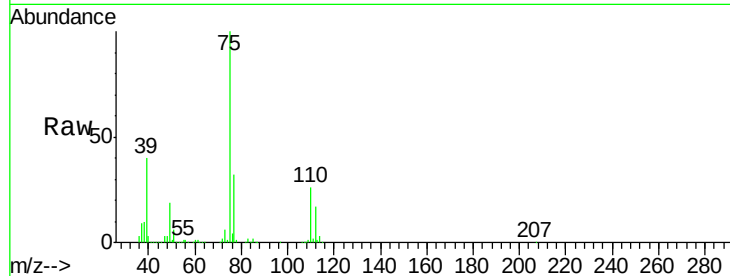
#53
t-1,3-Dichloropropene
Concen: 51.305 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4

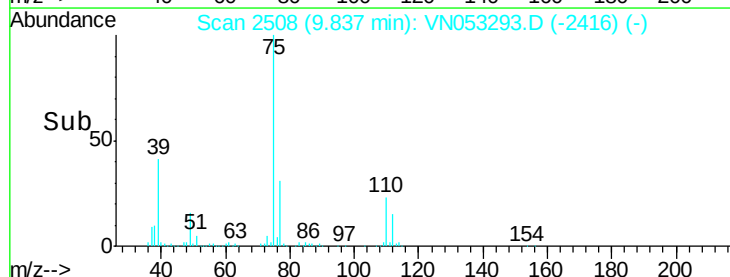
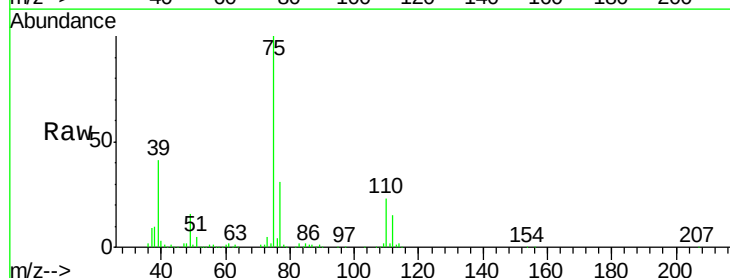
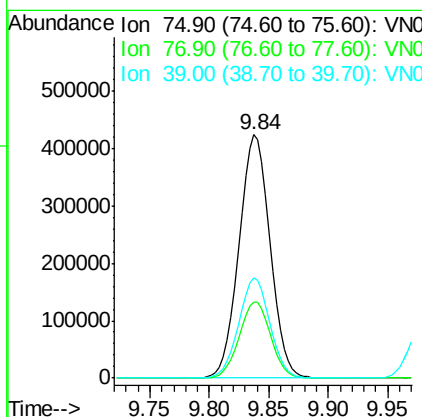
Manual Integrations
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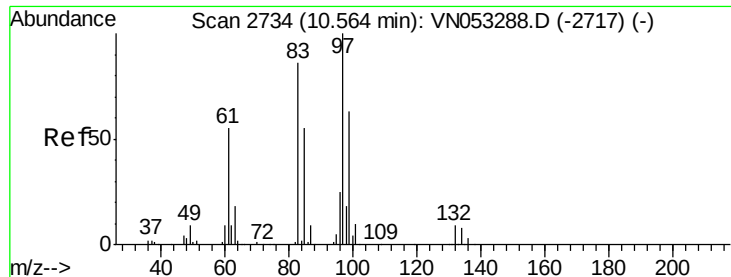
MMDadoda
1/8/2019 9:24:53 AM



#54
cis-1,3-Dichloropropene
Concen: 51.861 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	41.3	33.1	49.7





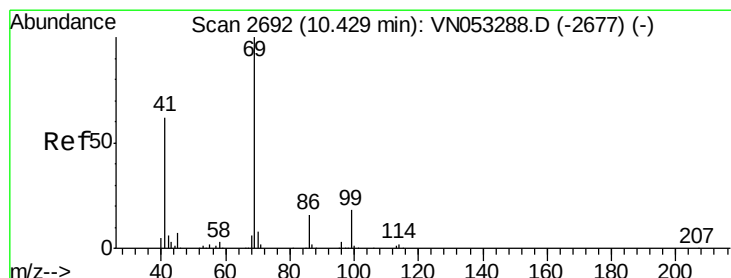
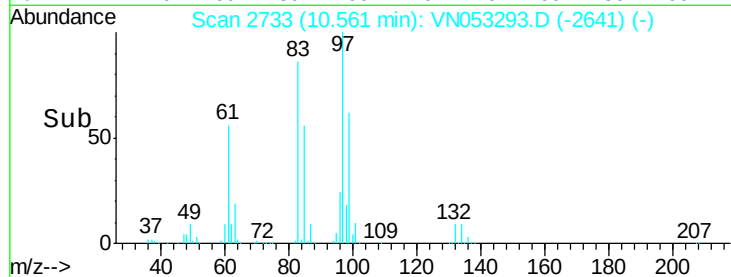
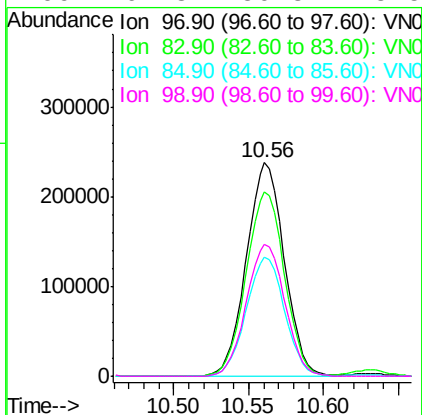
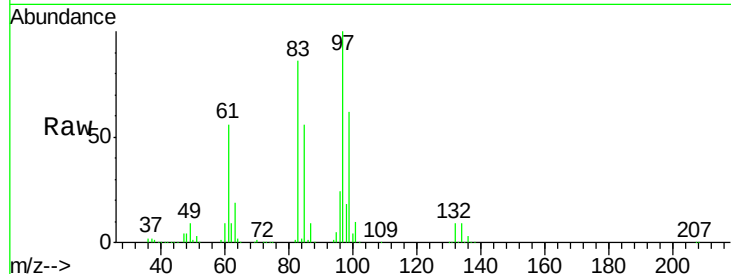
#55
 1,1,2-Trichloroethane
 Concen: 47.339 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	419776		
83	86.2	69.1	103.7	
85	56.0	44.2	66.4	
99	61.8	50.3	75.5	

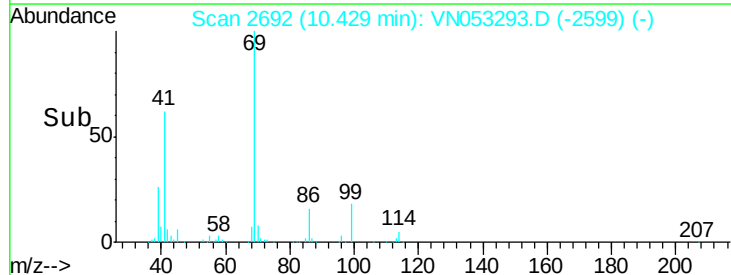
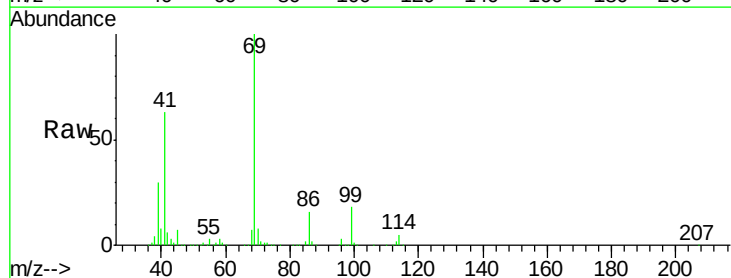
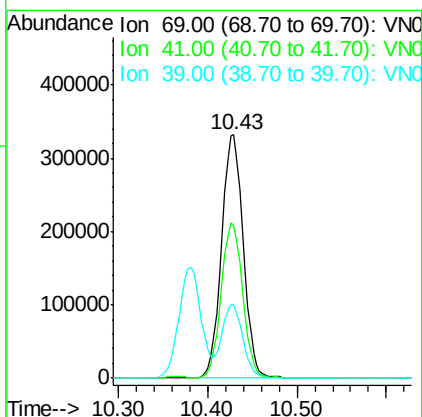
Manual Integrations
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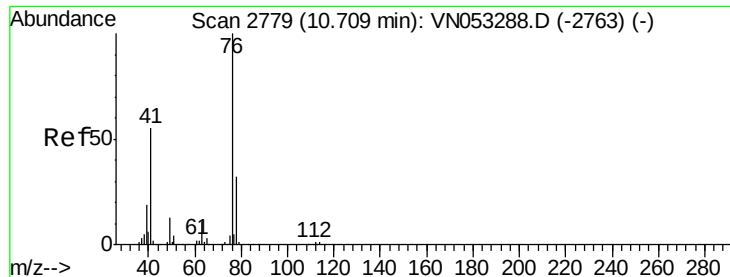
MMDadoda
 1/8/2019 9:24:53 AM



#56
 Ethyl methacrylate
 Concen: 48.586 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	559870		
41	62.6	49.2	73.8	
39	29.0	23.4	35.0	





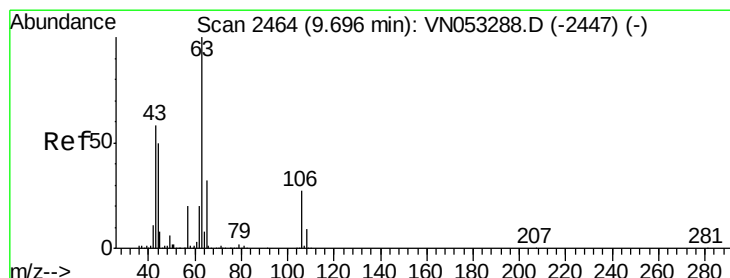
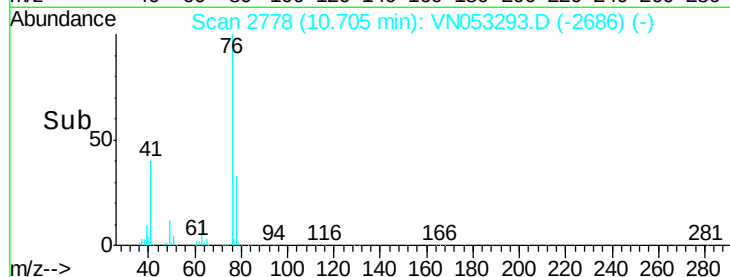
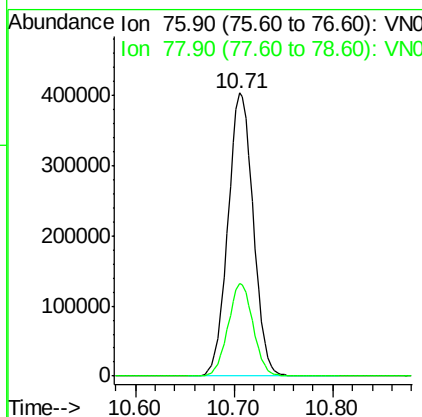
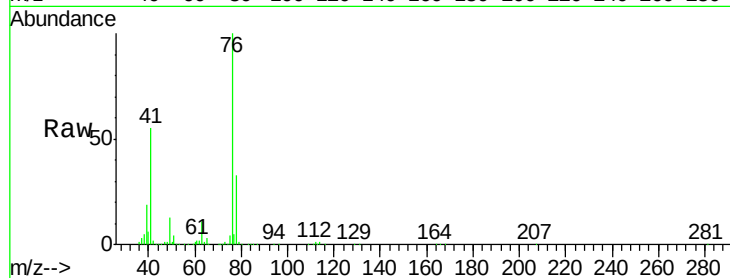
#57
 1,3-Dichloropropane
 Concen: 48.898 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 725114
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

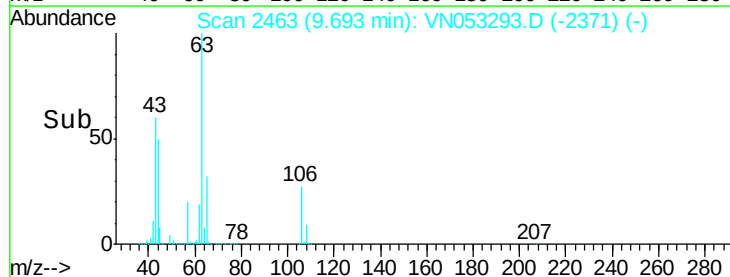
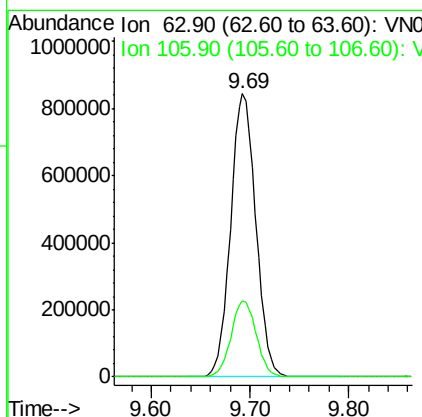
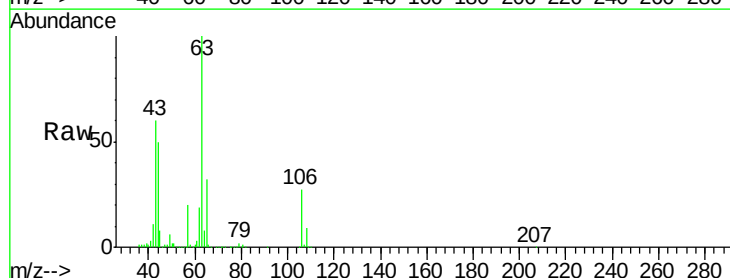
Manual Integrations
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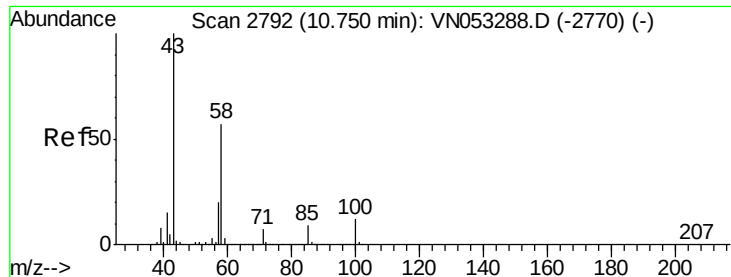
MMDadoda
 1/8/2019 9:24:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.033 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion: 63 Resp: 1501588
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5





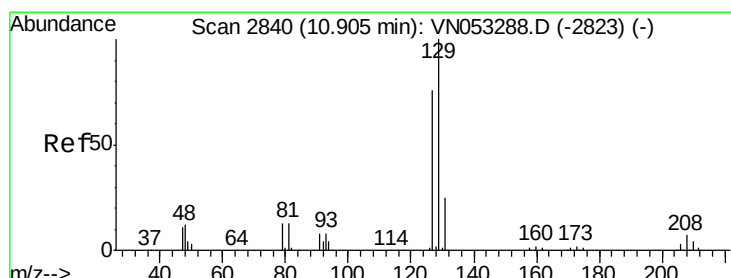
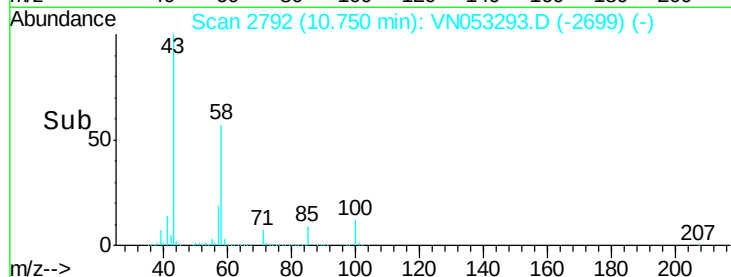
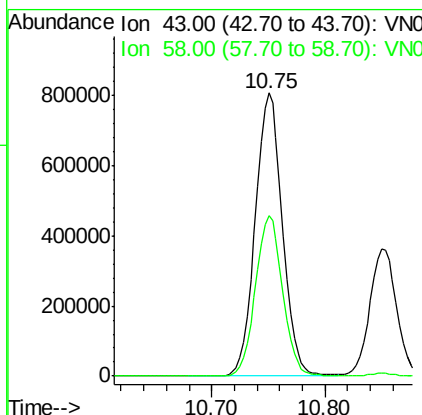
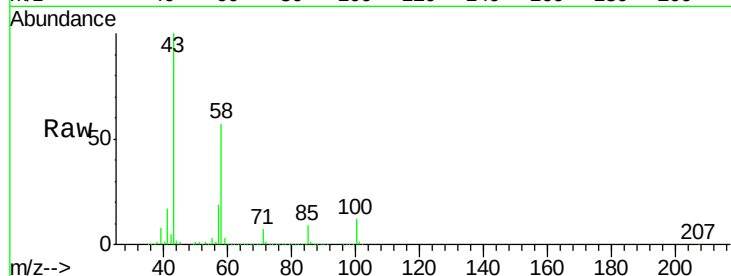
#59
2-Hexanone
Concen: 236.326 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1342738
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0

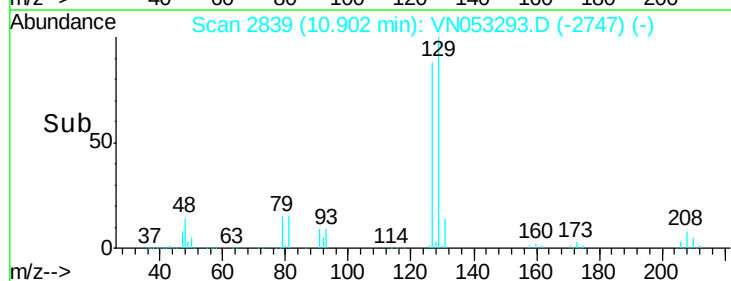
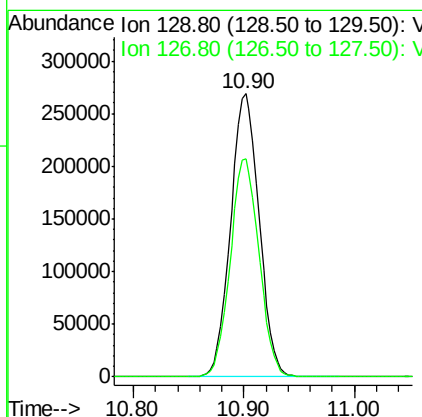
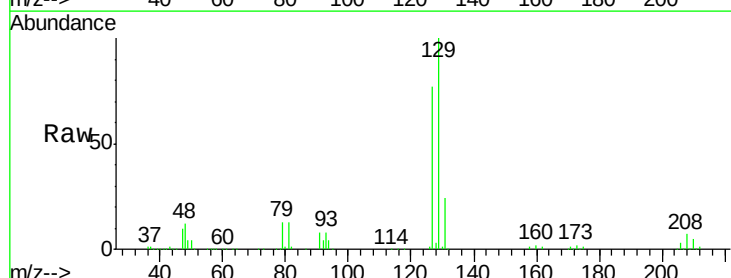
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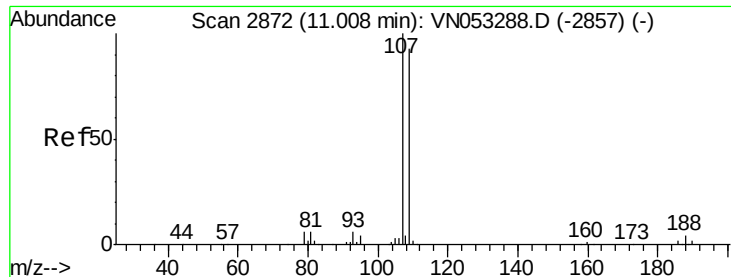
MMDadoda
1/8/2019 9:24:53 AM



#60
Dibromochloromethane
Concen: 50.544 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 129 Resp: 483415
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.2





#61

1,2-Dibromoethane

Concen: 48.968 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 428500

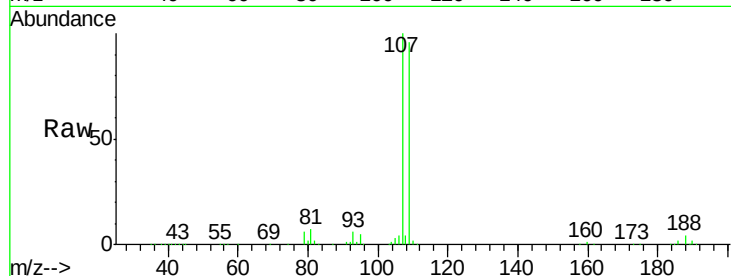
Ion Ratio Lower Upper

107 100

109 94.9 75.0 112.6

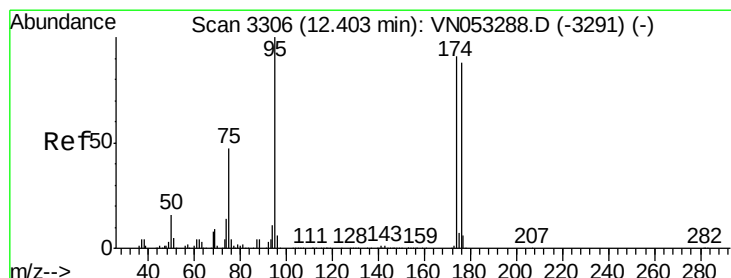
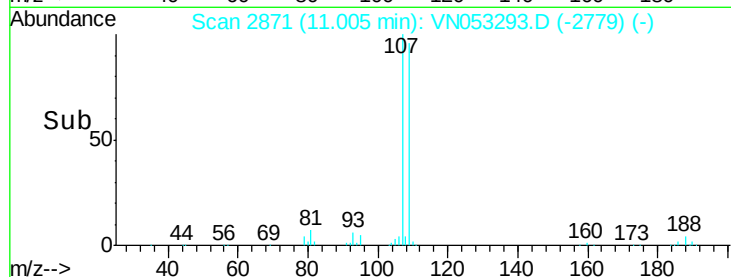
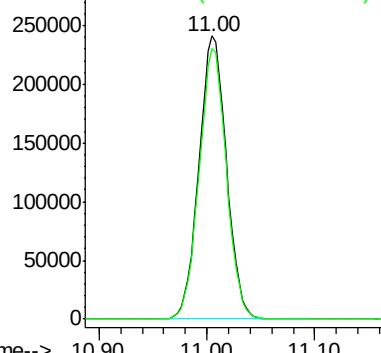
Manual Integrations
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MMDadoda
1/8/2019 9:24:53 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.968 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

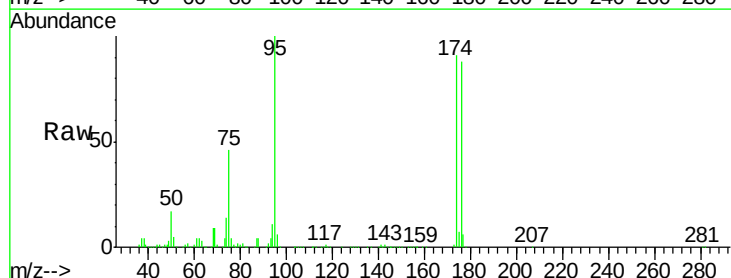
Tgt Ion: 95 Resp: 592116

Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.4

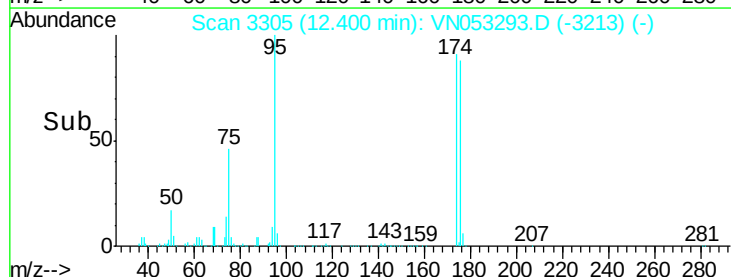
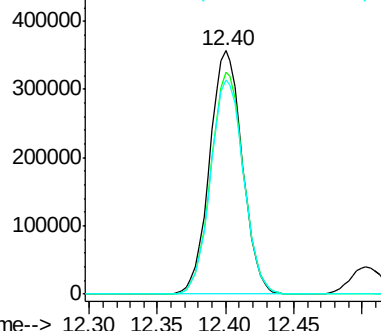
176 88.9 0.0 175.6

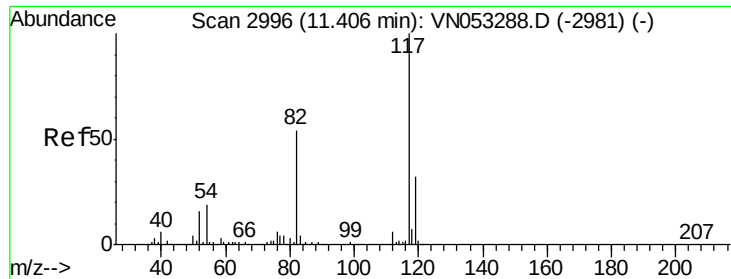


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





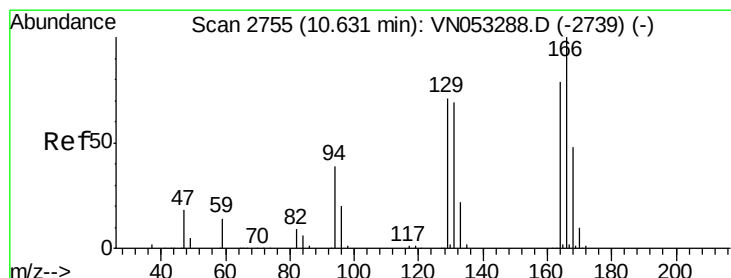
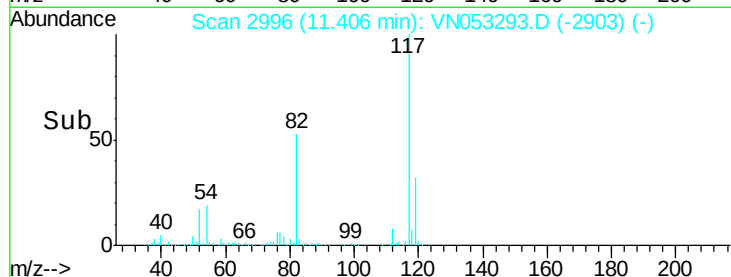
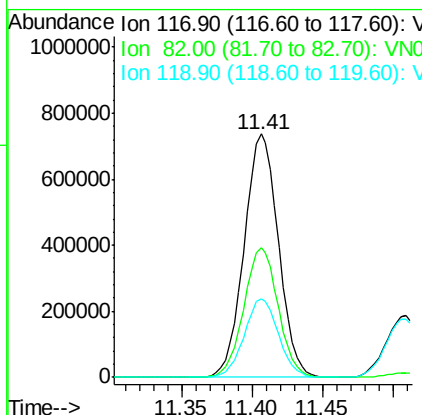
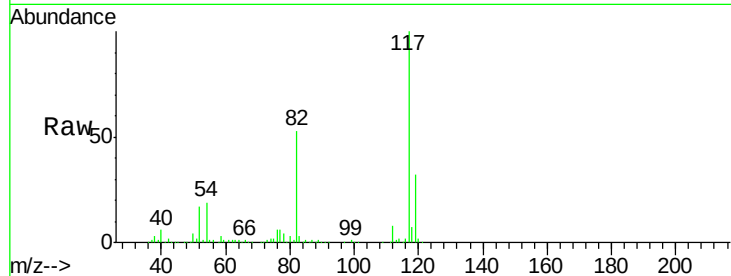
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.9	64.3
119	32.4	25.6	38.4

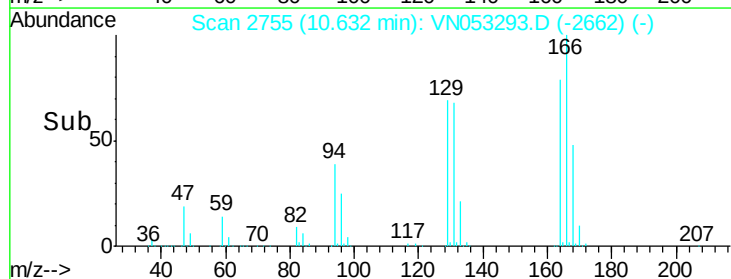
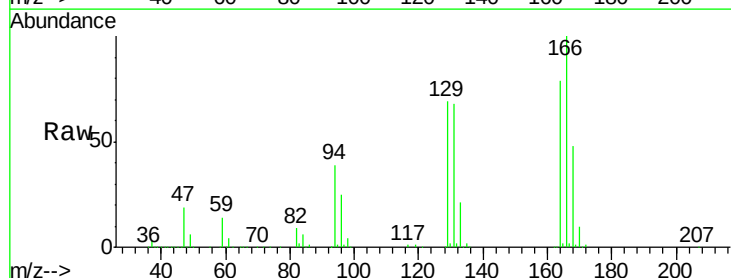
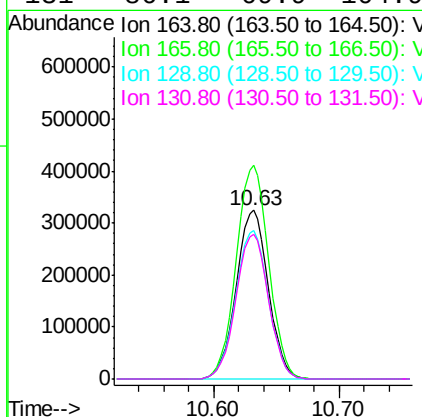
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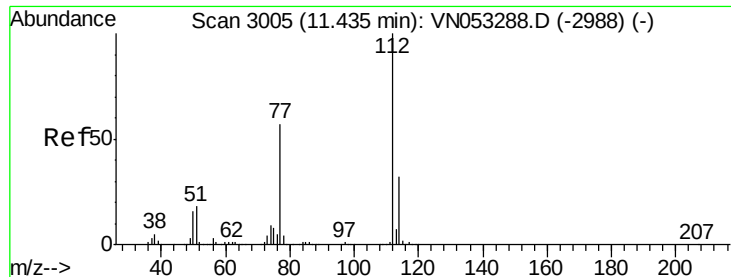
MMDadoda
1/8/2019 9:24:53 AM



#64
Tetrachloroethene
Concen: 48.707 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.7	152.5
129	87.8	72.1	108.1
131	86.1	69.9	104.9





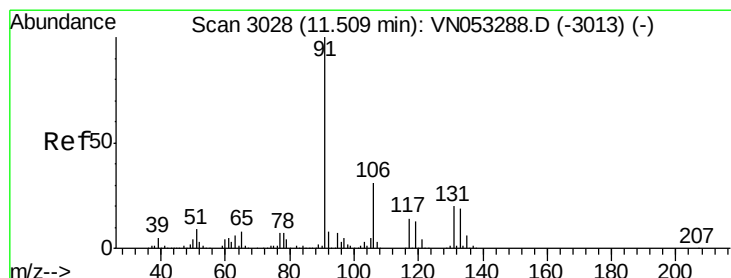
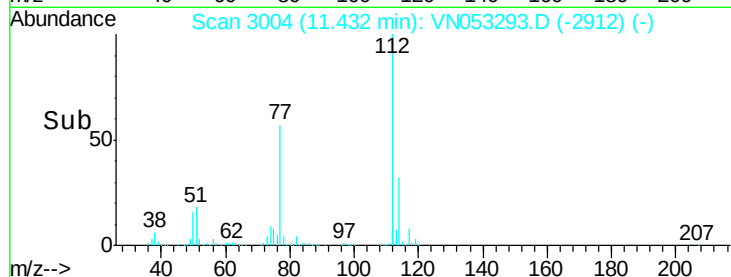
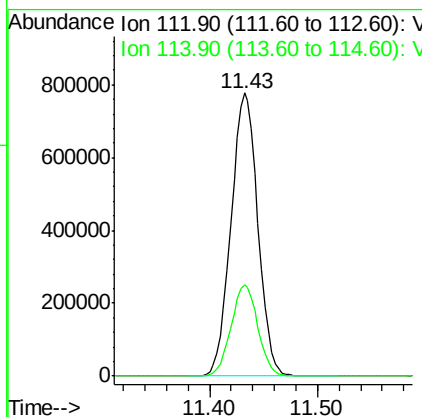
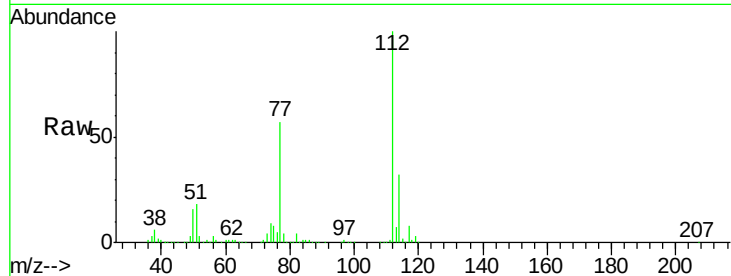
#65
Chlorobenzene
Concen: 49.341 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1344176
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

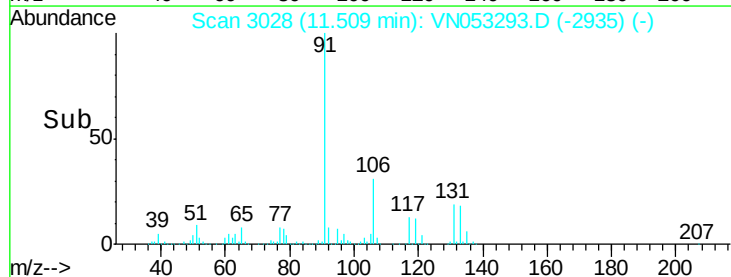
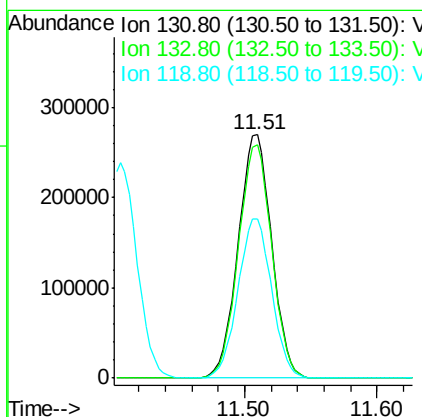
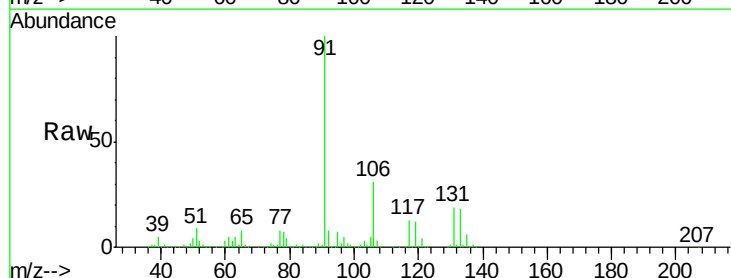
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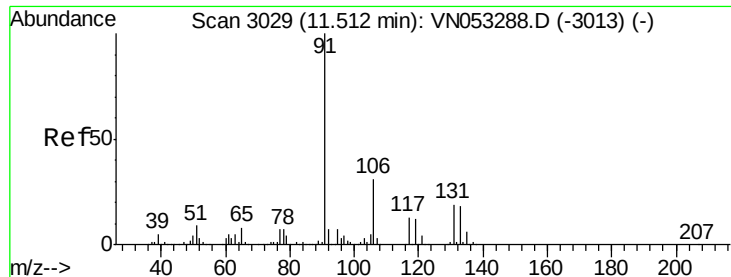
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.584 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion:131 Resp: 472807
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 65.8 33.3 99.9





#67

Ethyl Benzene

Concen: 50.702 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 2347079

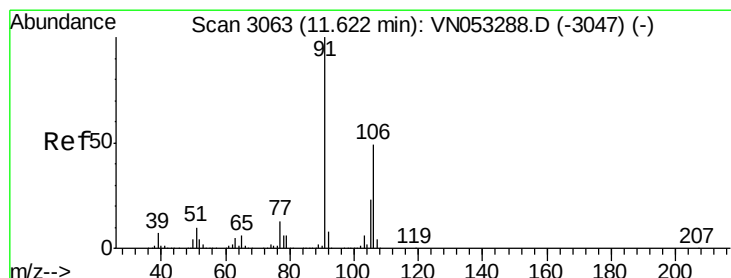
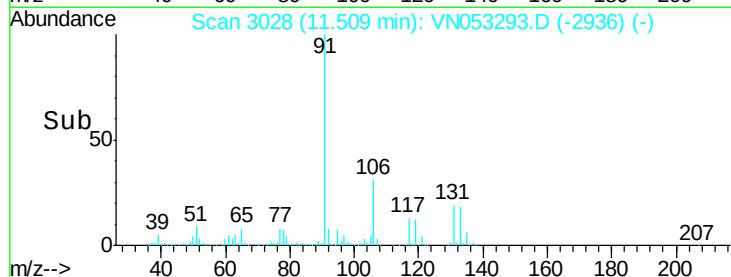
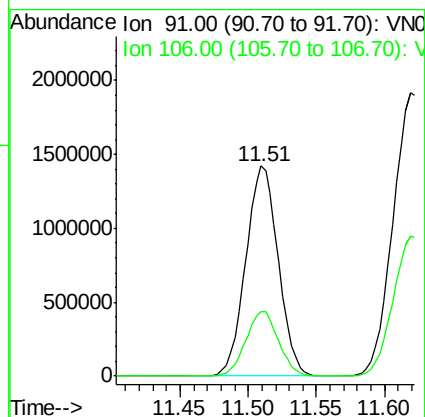
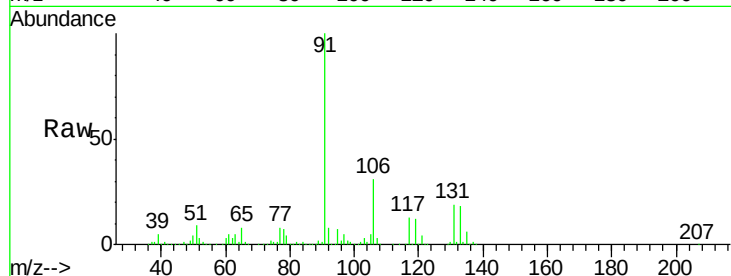
Ion Ratio Lower Upper

91 100

106 30.9 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 103.510 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053293.D

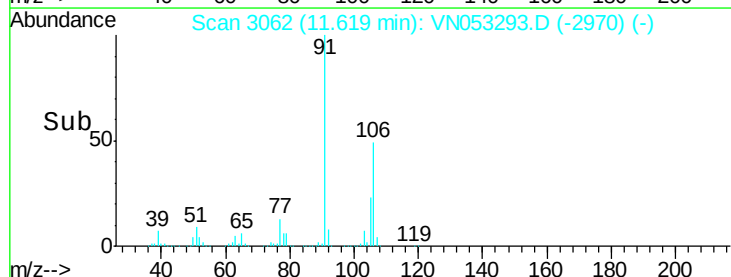
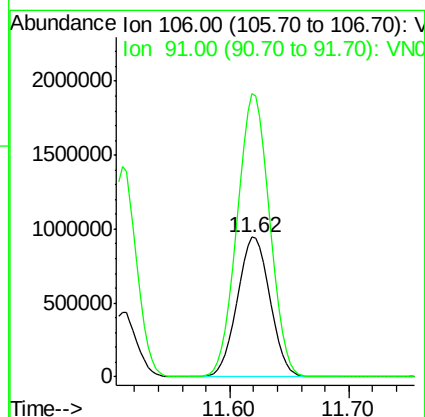
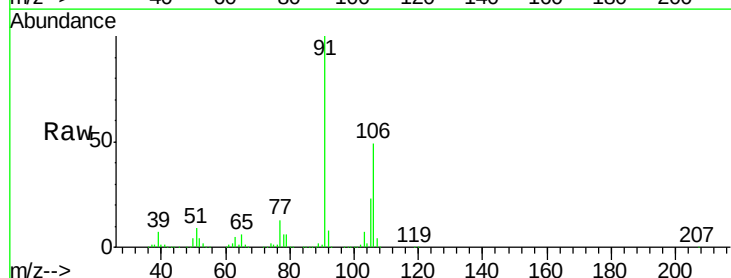
Acq: 7 Jan 2019 9:57

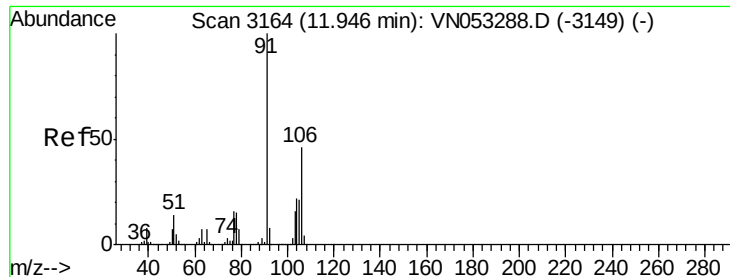
Tgt Ion: 106 Resp: 1801785

Ion Ratio Lower Upper

106 100

91 201.6 161.4 242.2





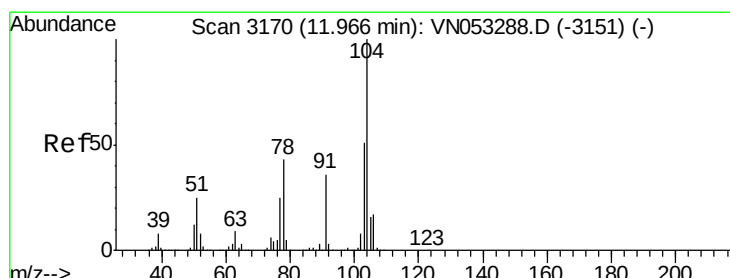
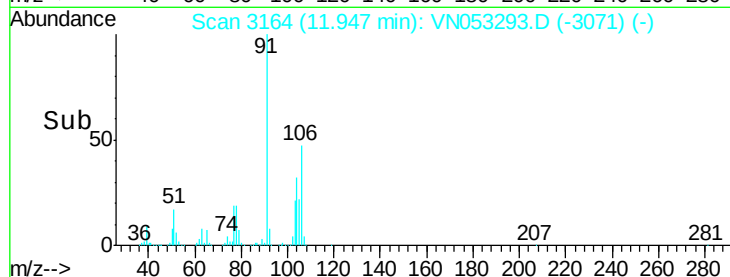
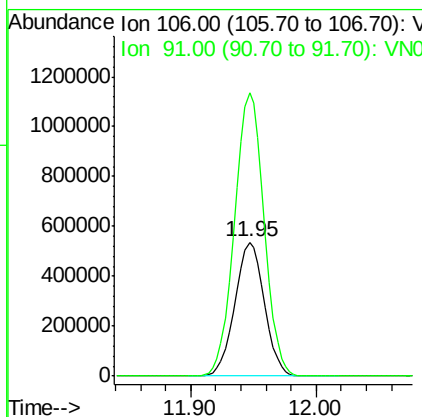
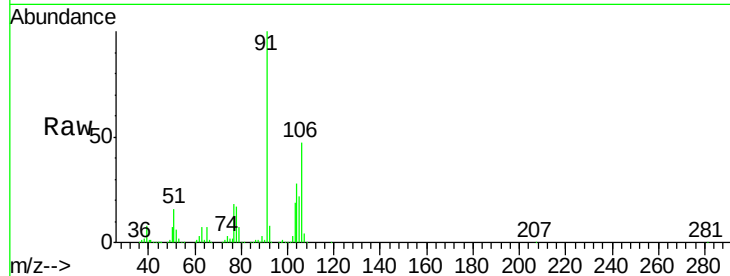
#69
o-Xylene
Concen: 51.337 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 874869
Ion Ratio Lower Upper
106 100
91 211.7 106.8 320.4

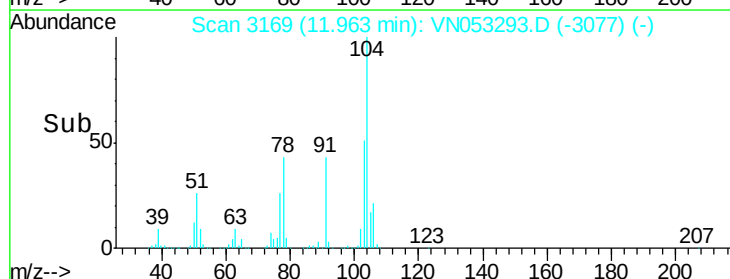
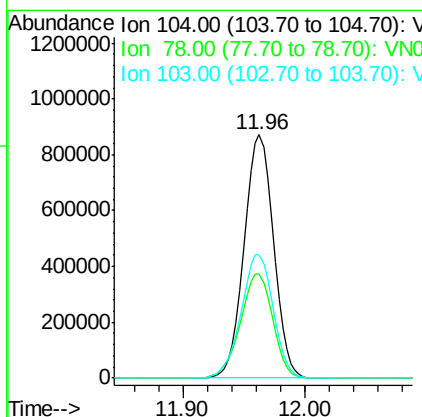
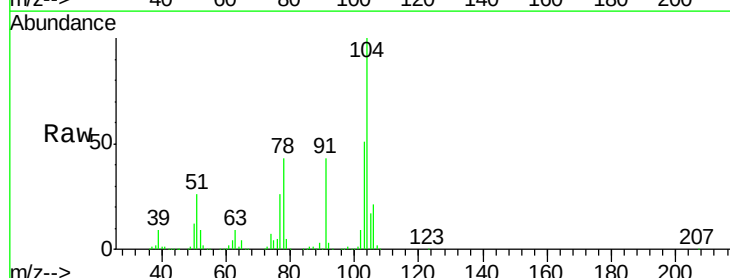
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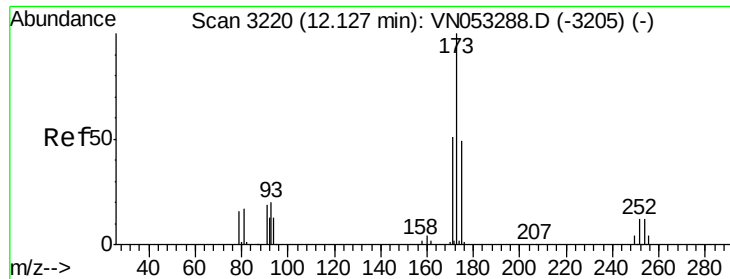
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#70
Styrene
Concen: 52.004 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion:104 Resp: 1442329
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 55.5 44.5 66.7





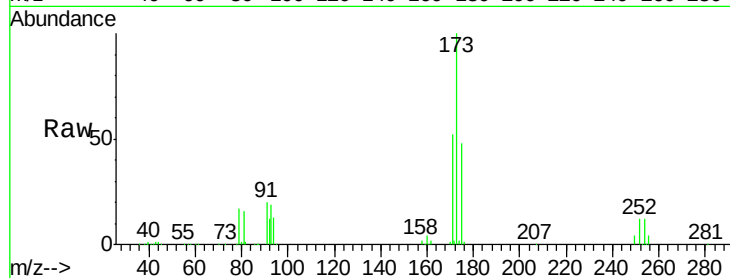
#71
Bromoform
Concen: 50.111 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.8
254	0.1	0.2	0.2#

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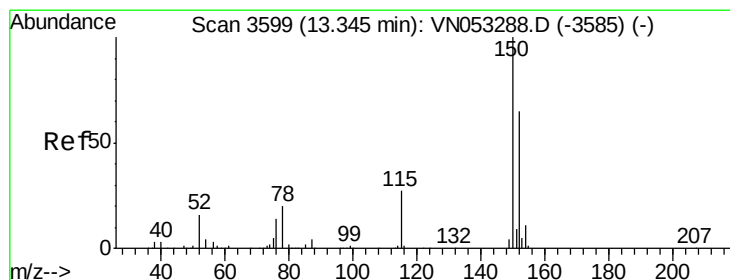
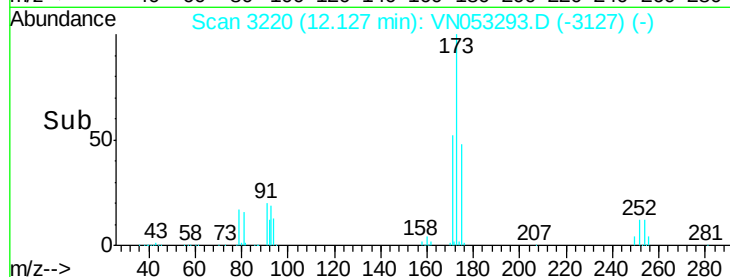
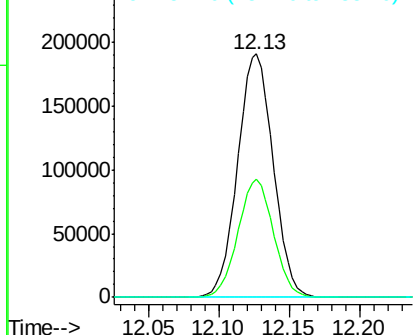


Abundance

Ion 172.70 (172.40 to 173.40): V

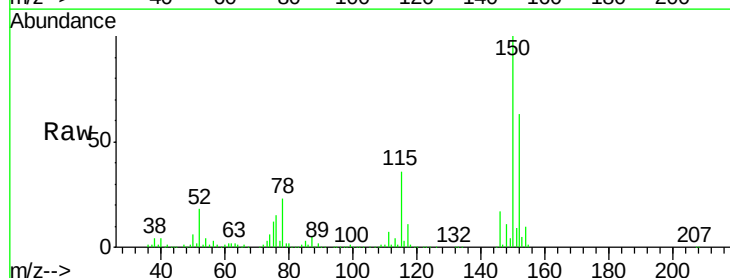
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	84.0
150	173.6	0.0	346.6

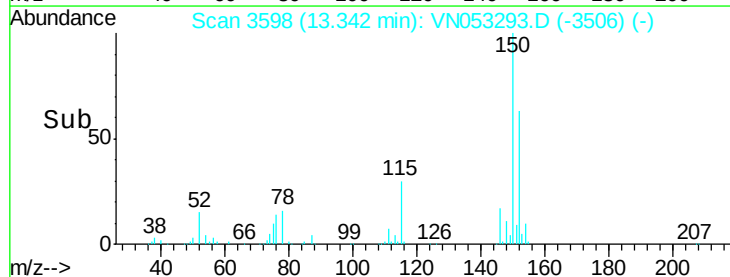
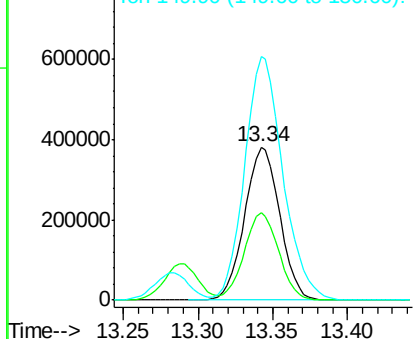


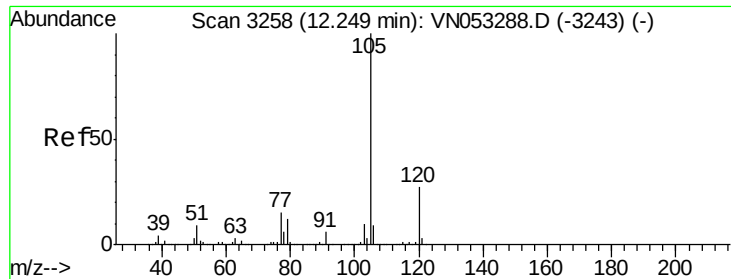
Abundance

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: 49.936 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2313443

Ion Ratio Lower Upper

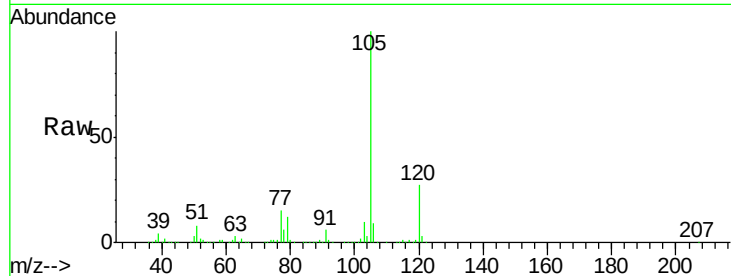
105 100

120 27.0 13.4 40.2

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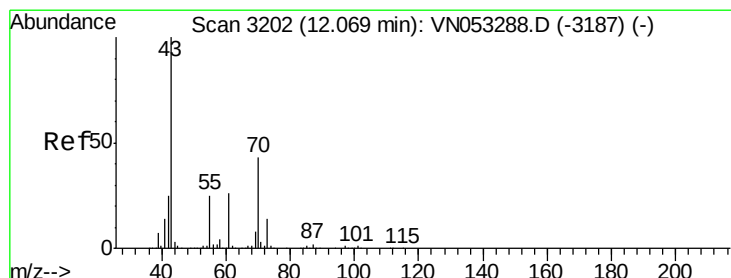
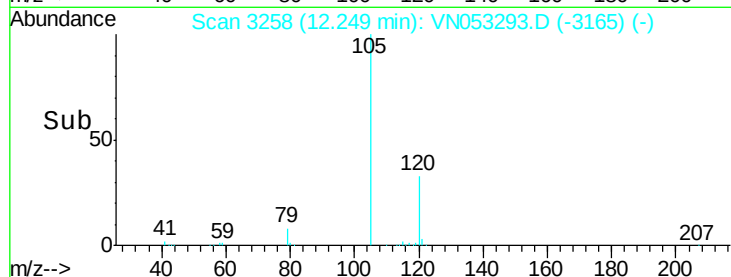
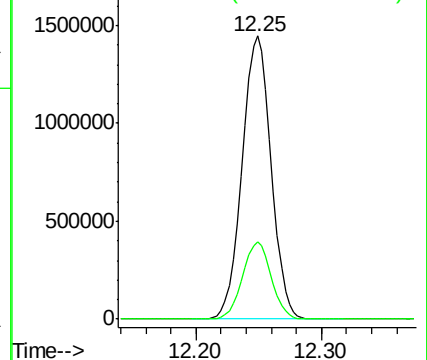
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.763 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Tgt Ion: 43 Resp: 633096

Ion Ratio Lower Upper

43 100

70 44.2 35.0 52.6

55 25.2 20.0 30.0

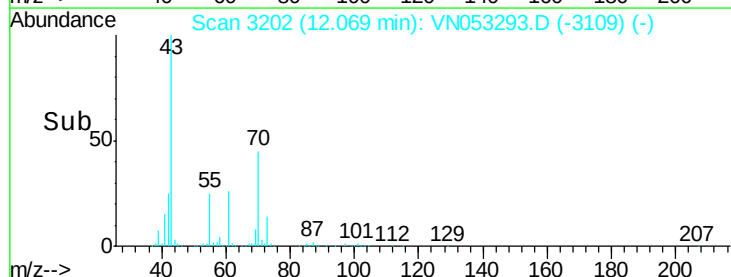
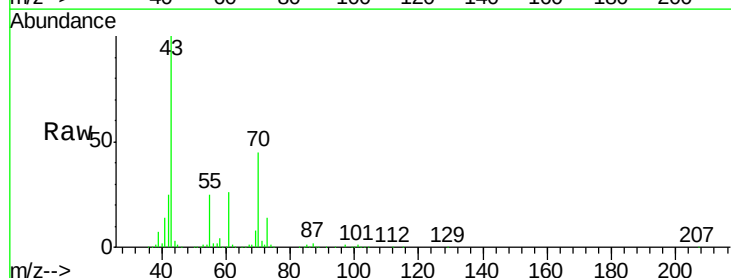
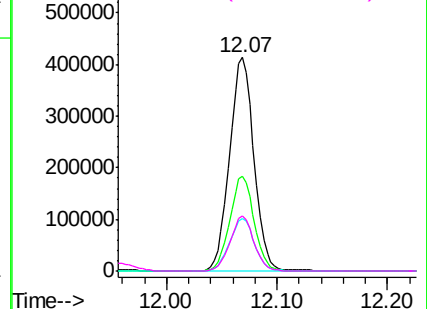
61 25.2 20.3 30.5

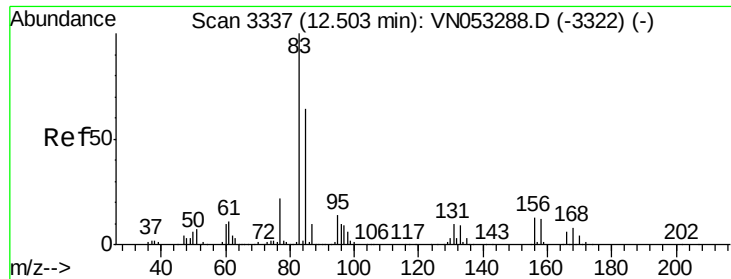
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.181 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

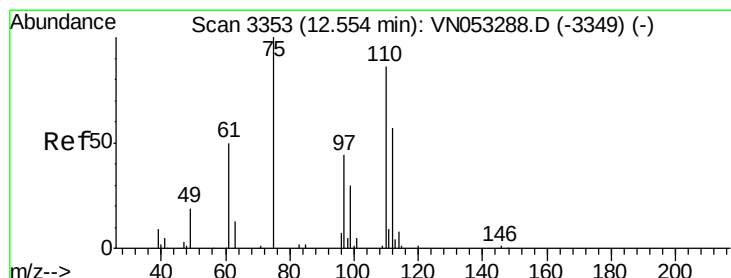
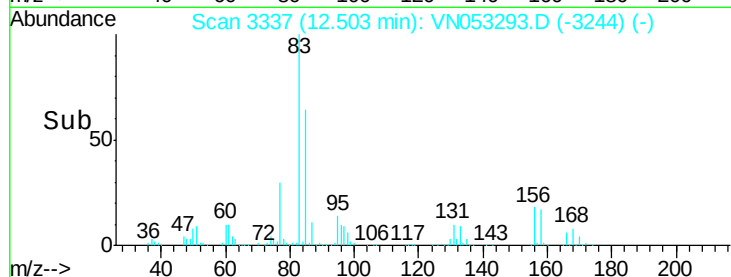
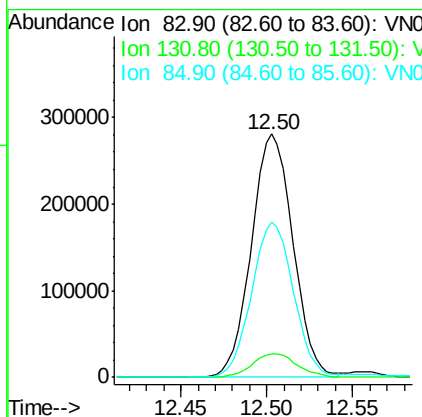
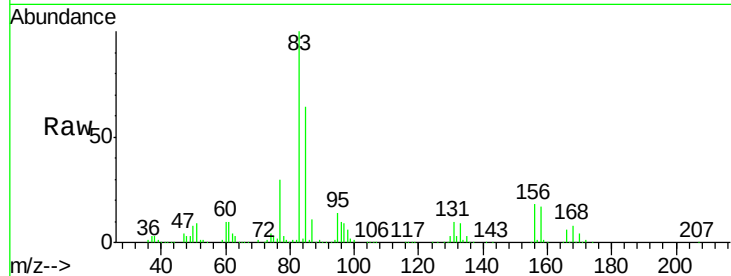
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	470844
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.094 ug/l m

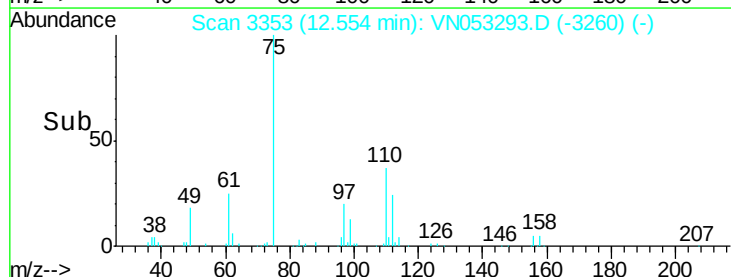
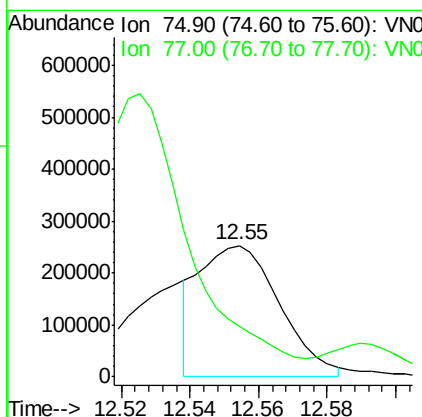
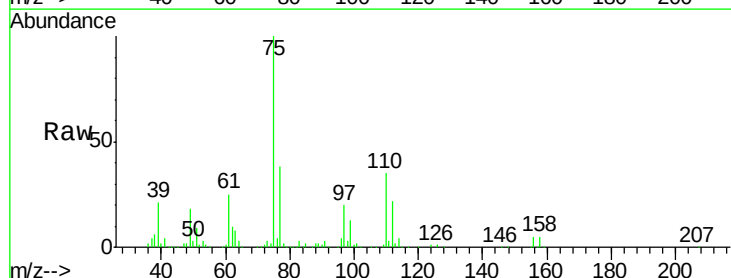
RT: 12.55 min Scan# 3353

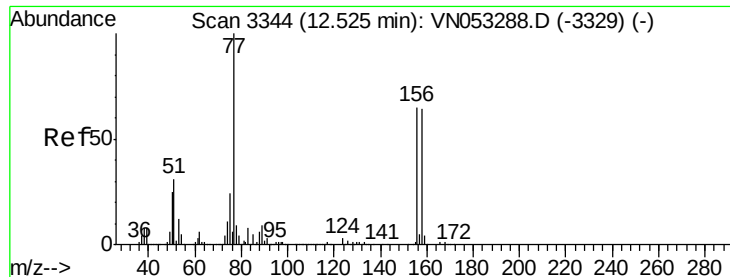
Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Tgt Ion:	75	Resp:	409269
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.387 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

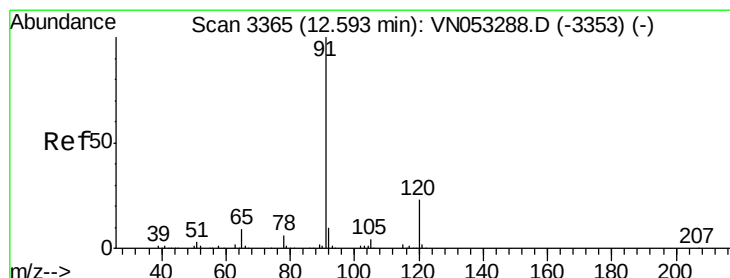
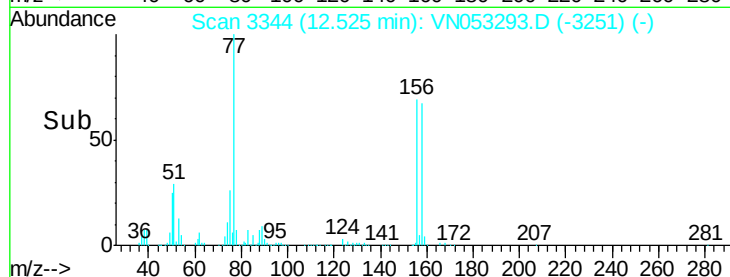
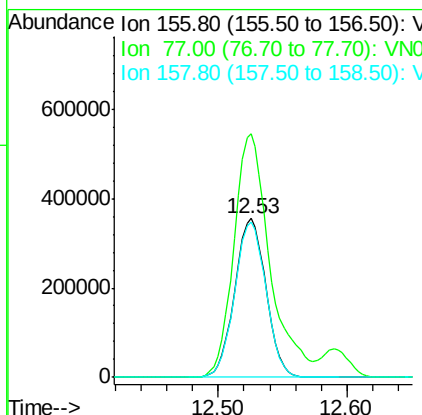
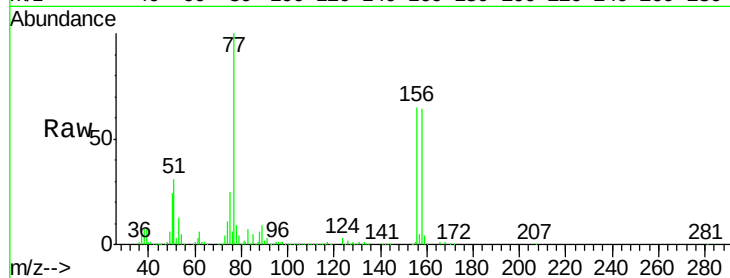
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	598297
Ion Ratio	Lower	Upper	
156	100		
77	177.4	89.3	268.1
158	98.1	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 51.507 ug/l

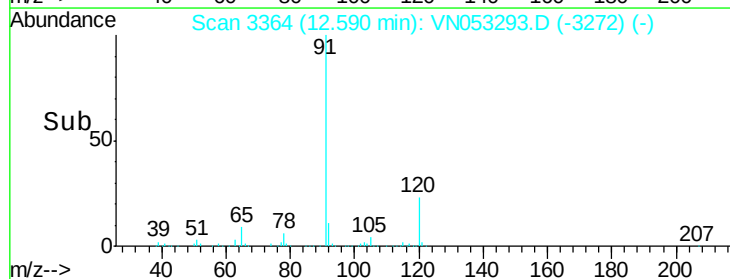
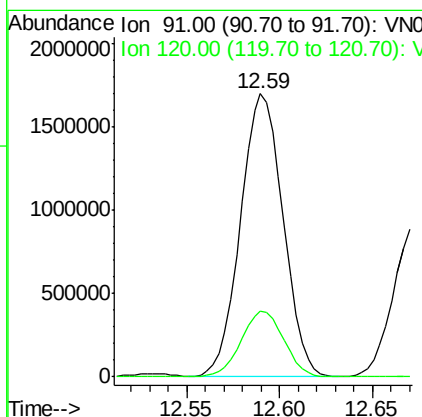
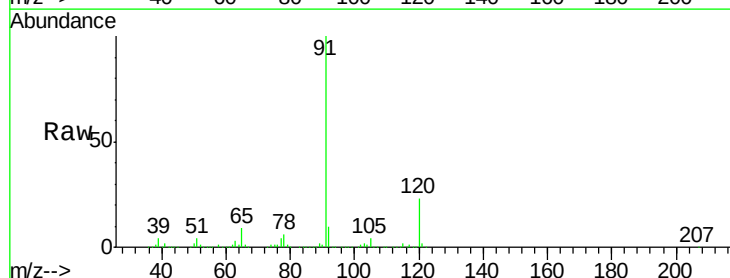
RT: 12.59 min Scan# 3364

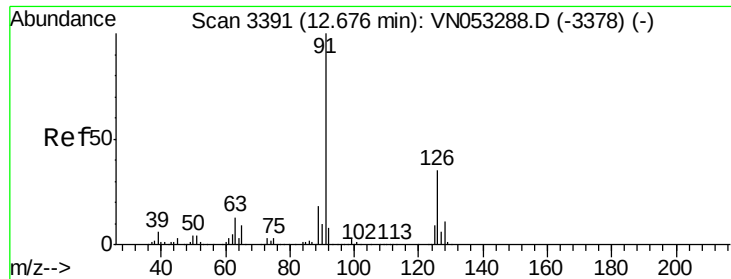
Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Tgt Ion:	91	Resp:	2699216
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





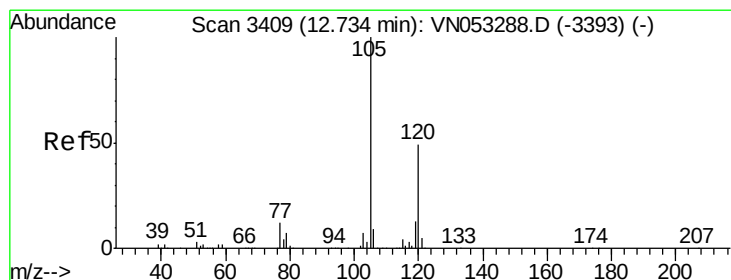
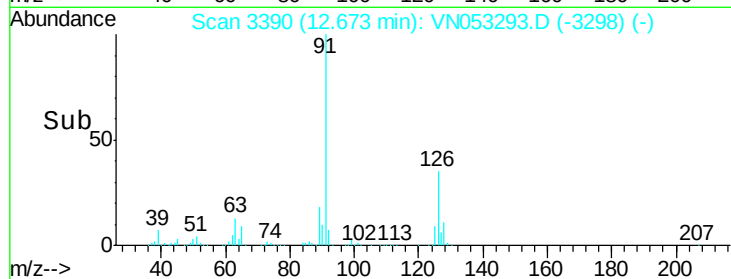
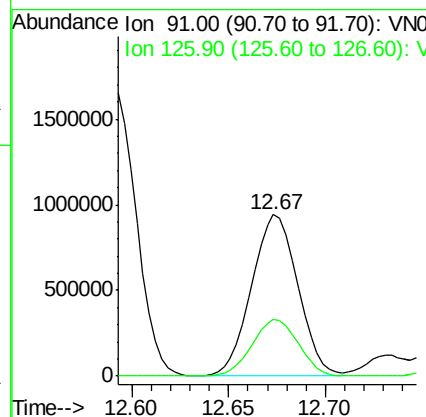
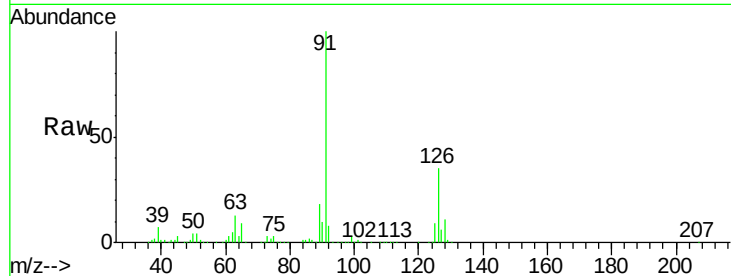
#79
2-Chlorotoluene
Concen: 49.443 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1567791
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.5

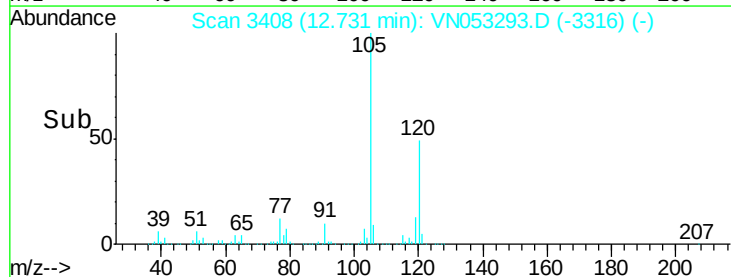
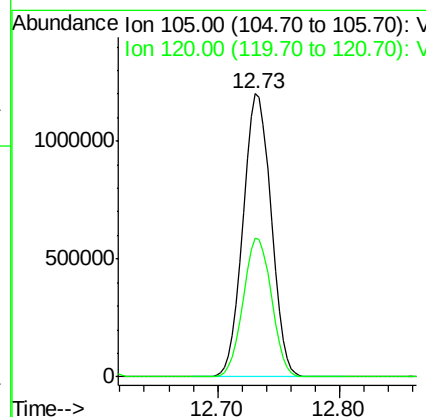
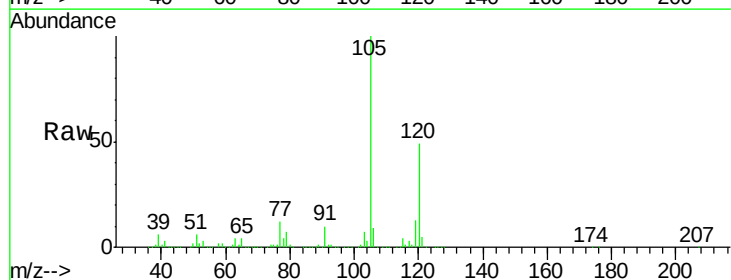
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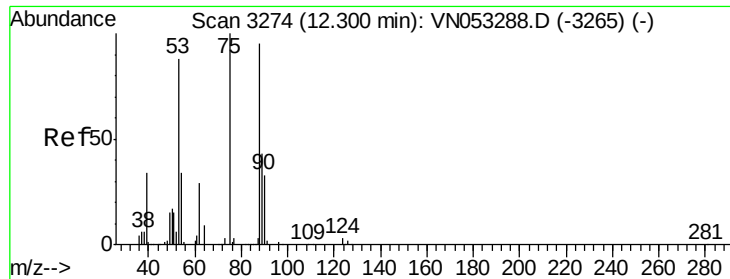
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#80
1,3,5-Trimethylbenzene
Concen: 51.053 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 105 Resp: 1905187
Ion Ratio Lower Upper
105 100
120 49.4 24.7 74.1





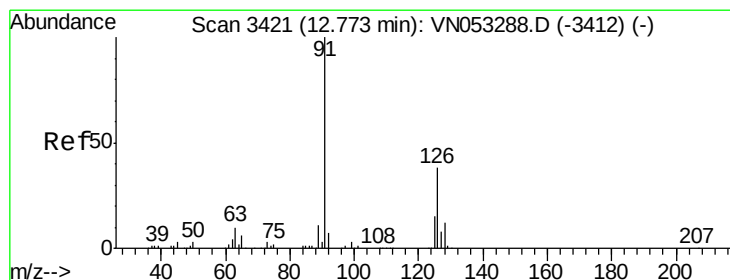
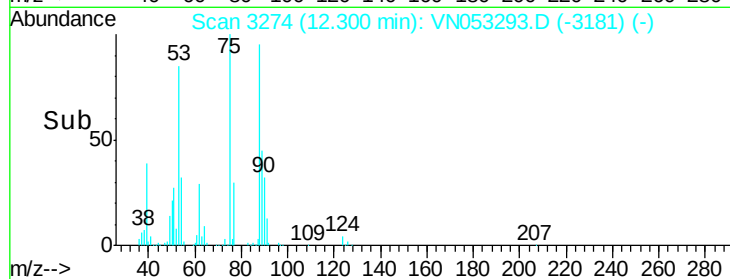
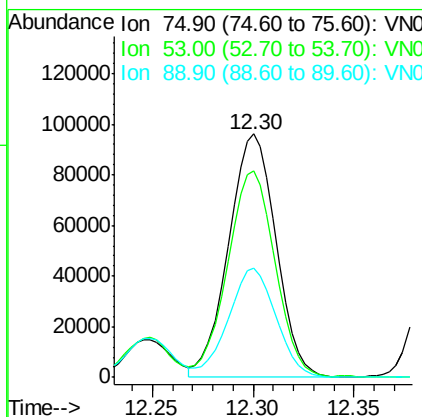
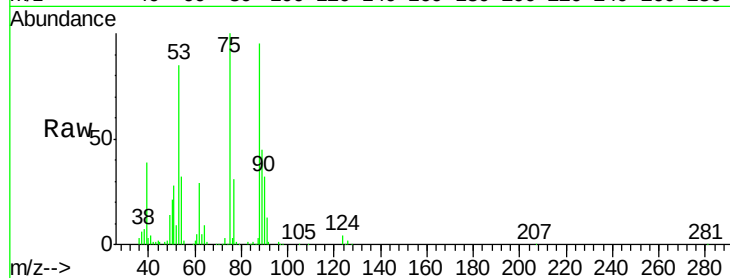
#81
trans-1,4-Dichloro-2-butene
Concen: 51.480 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.2	70.5	105.7
89	44.6	35.4	53.0

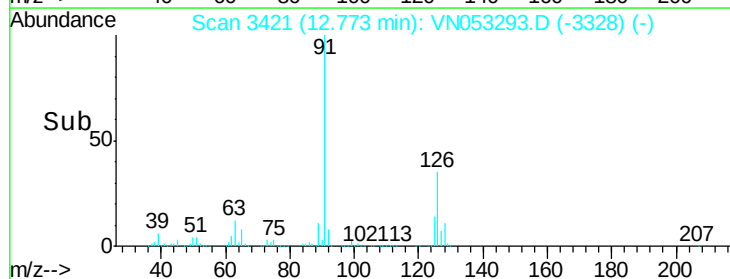
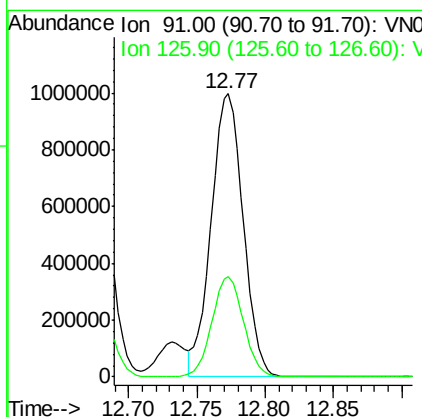
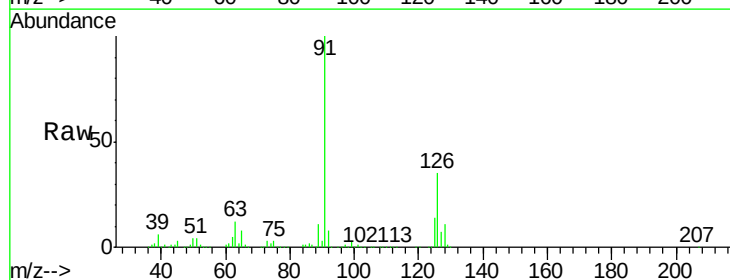
Manual Integrations
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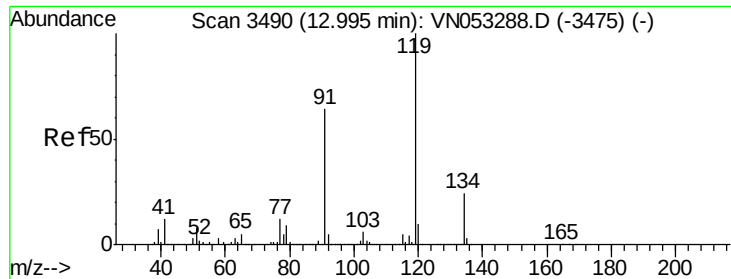
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#82
4-Chlorotoluene
Concen: 49.914 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.2





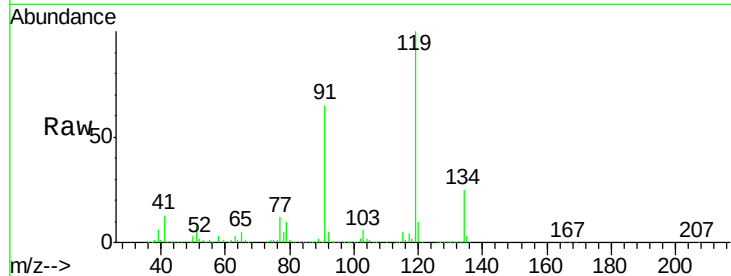
#83
 tert-Butylbenzene
 Concen: 50.418 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

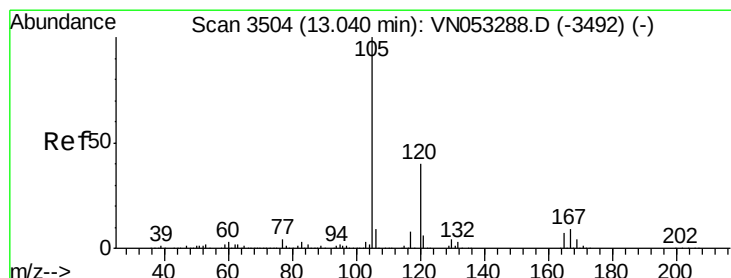
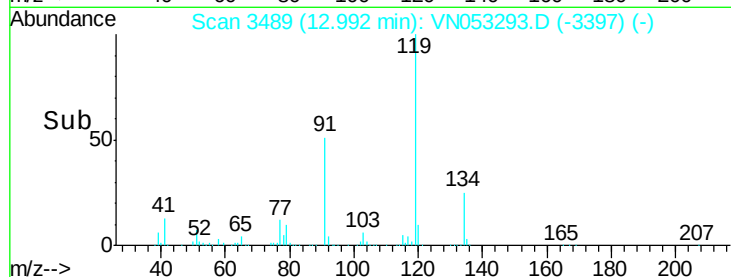
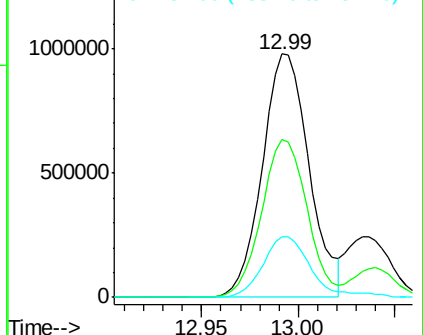
Tot Ion:119 Resp: 1650764
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.6 95.0
 134 25.7 12.9 38.6

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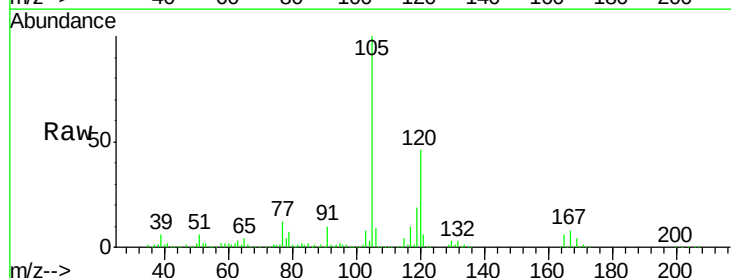


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

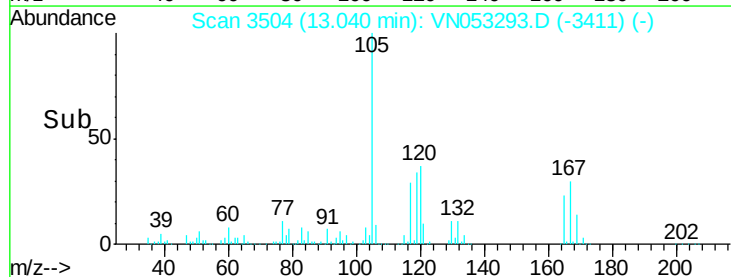
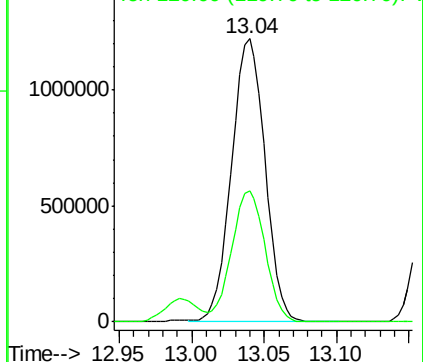


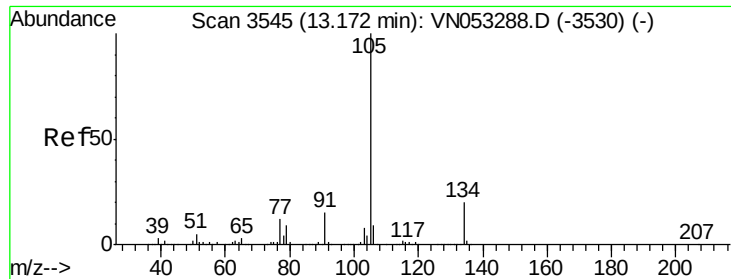
#84
 1,2,4-Trimethylbenzene
 Concen: 51.352 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion:105 Resp: 1952293
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.862 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2239362

Ion Ratio Lower Upper

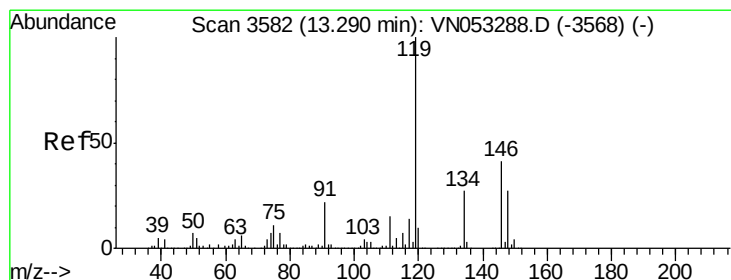
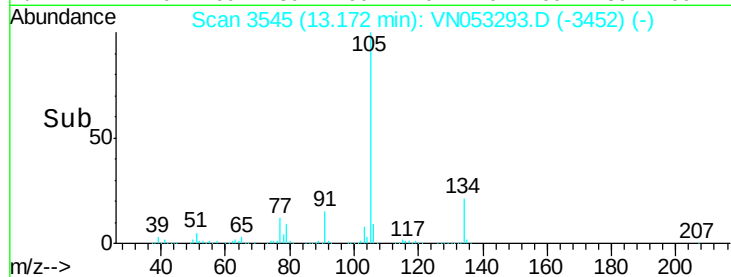
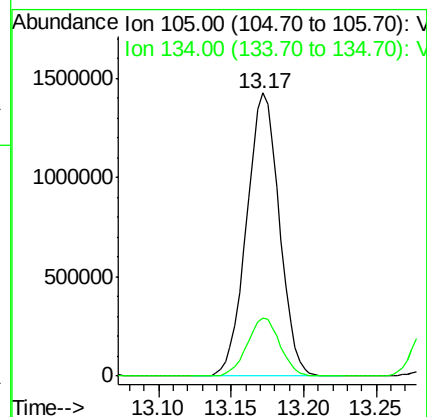
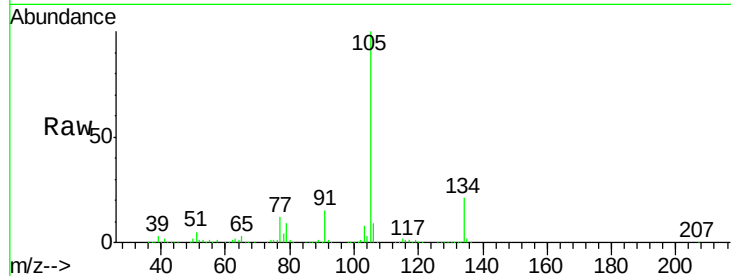
105 100

134 20.6 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 53.236 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053293.D

Acq: 7 Jan 2019 9:57

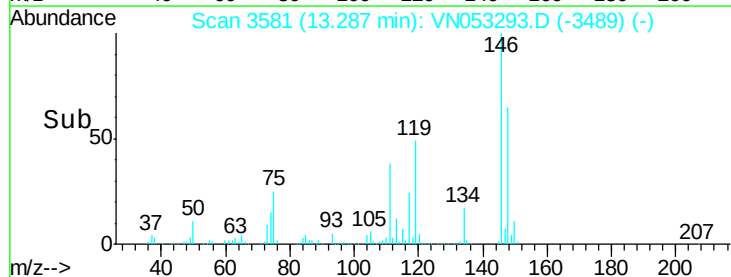
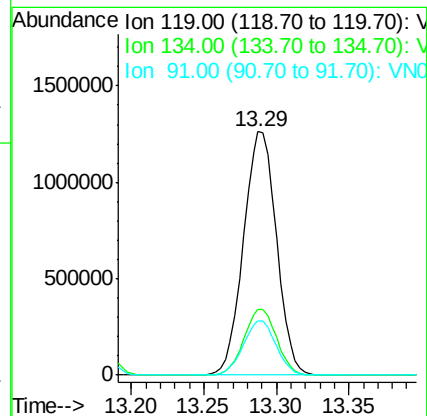
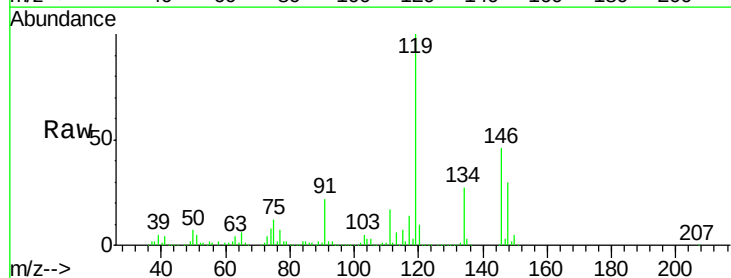
Tgt Ion:119 Resp: 1990250

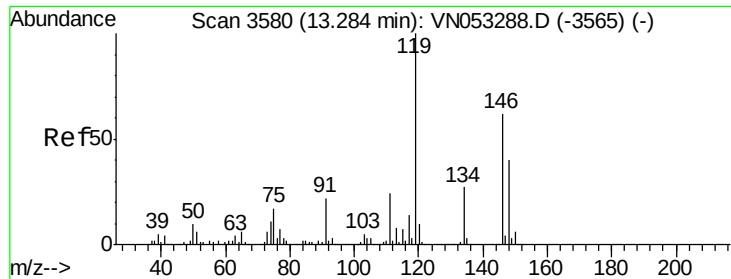
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.1 11.1 33.1





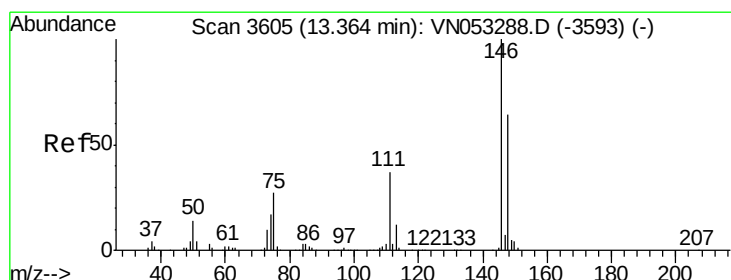
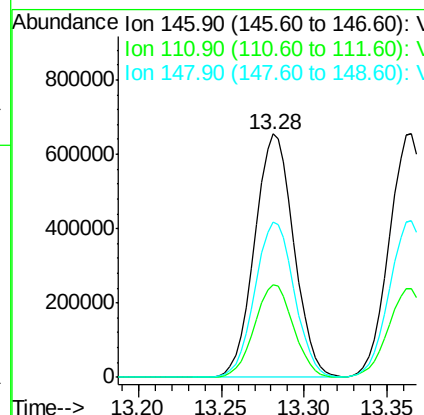
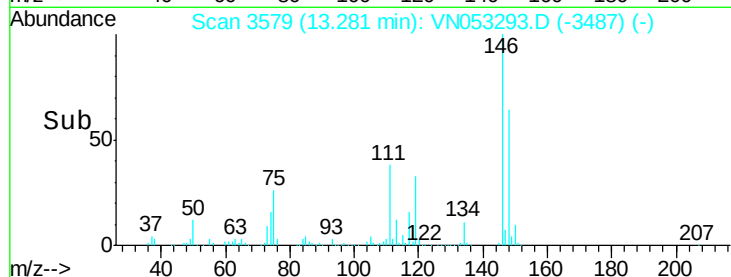
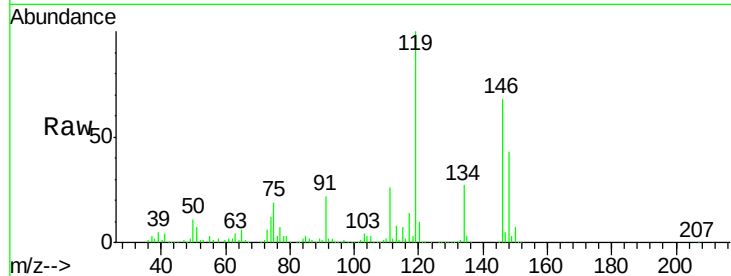
#87
 1,3-Dichlorobenzene
 Concen: 49.570 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1079369
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.5
 148 64.2 32.0 96.2

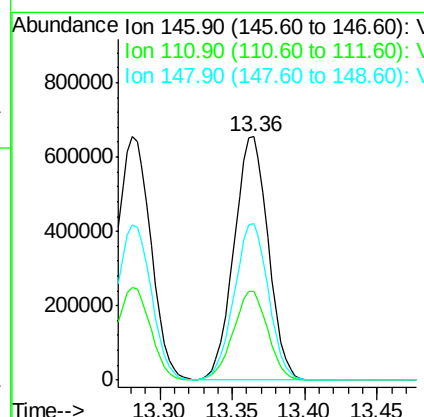
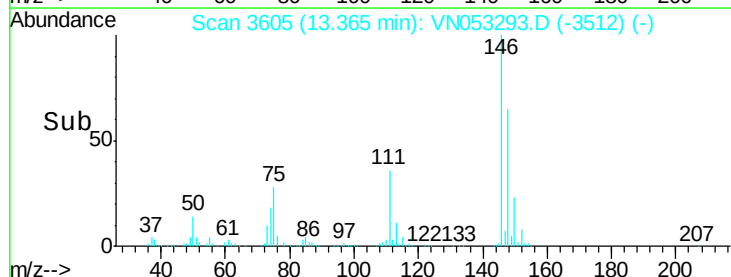
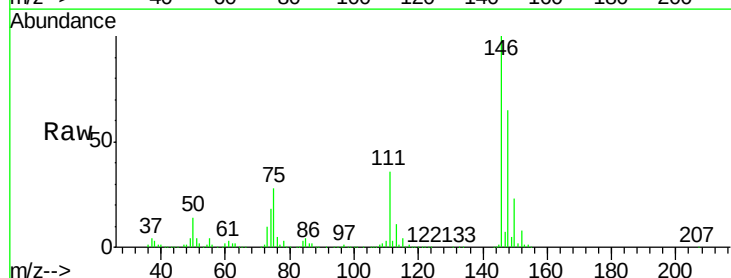
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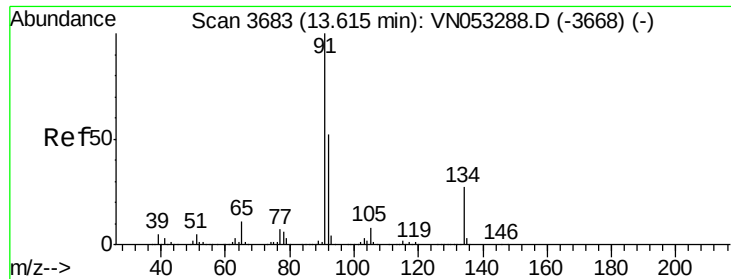
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#88
 1,4-Dichlorobenzene
 Concen: 49.501 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion:146 Resp: 1069231
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 64.5 32.0 96.0





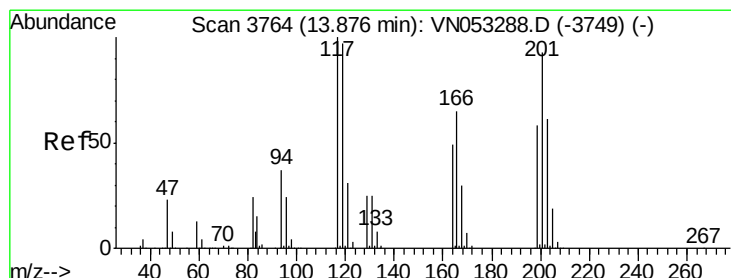
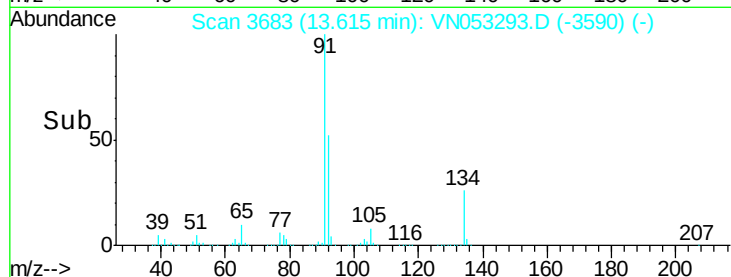
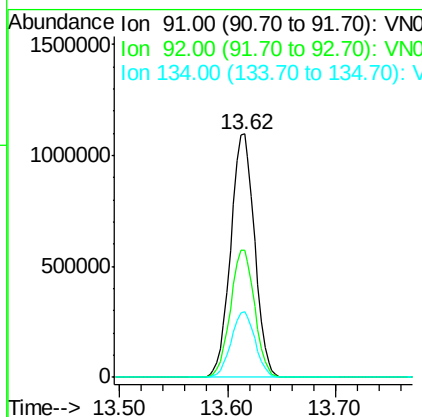
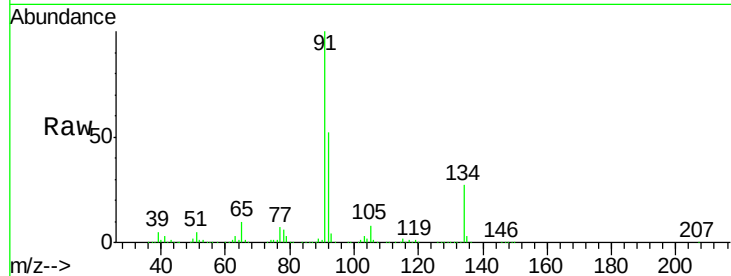
#89
n-Butylbenzene
Concen: 53.697 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1683074
Ion Ratio Lower Upper
91 100
92 52.9 26.3 78.8
134 27.1 13.5 40.5

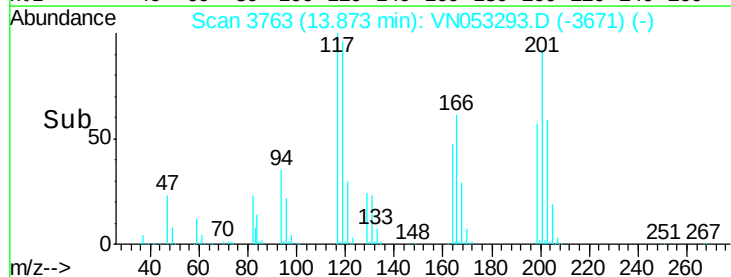
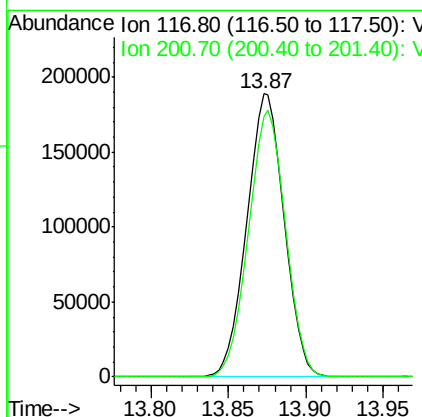
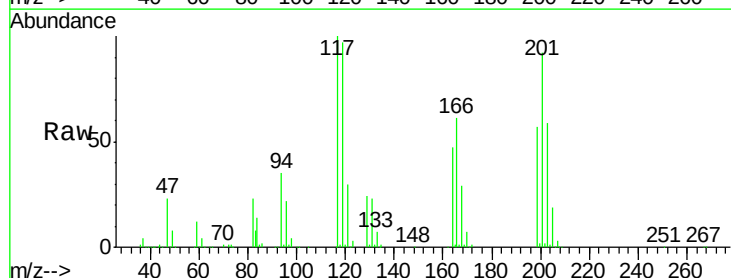
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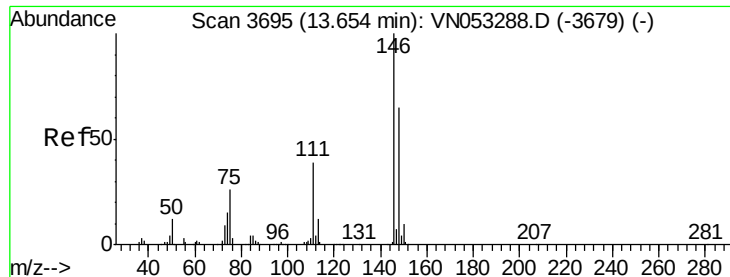
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#90
Hexachloroethane
Concen: 53.039 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion: 117 Resp: 317818
Ion Ratio Lower Upper
117 100
201 93.3 46.1 138.3





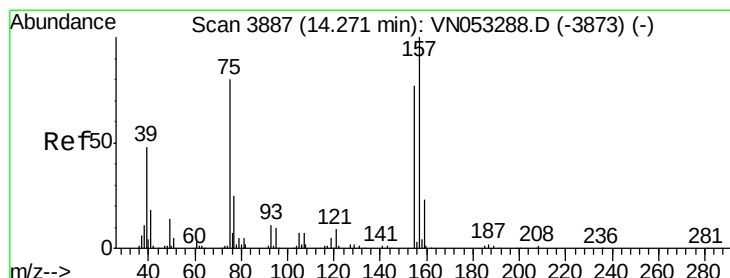
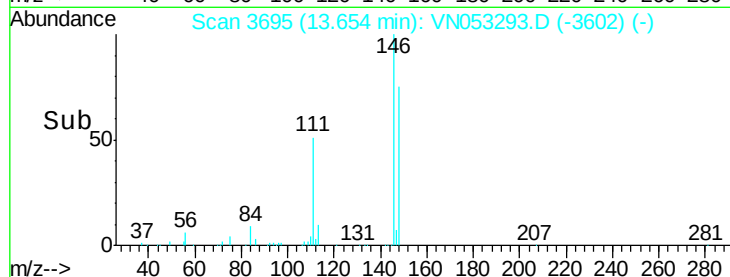
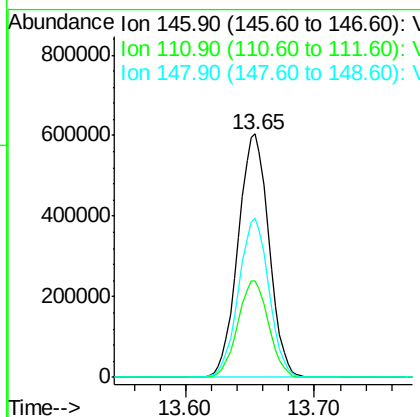
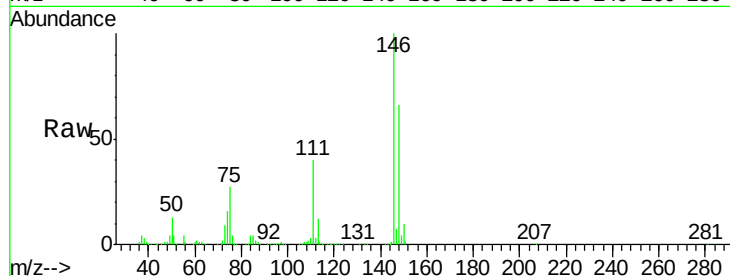
#91
 1,2-Dichlorobenzene
 Concen: 49.297 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.4	58.2
148	64.3	32.2	96.6

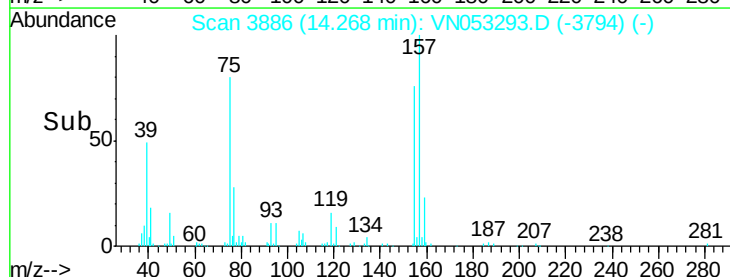
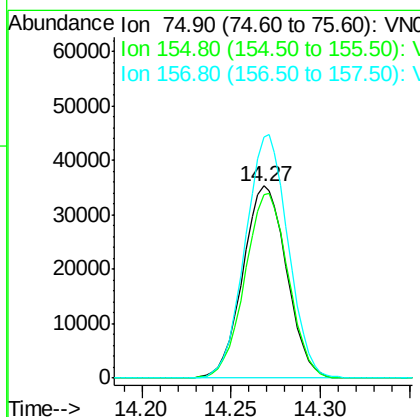
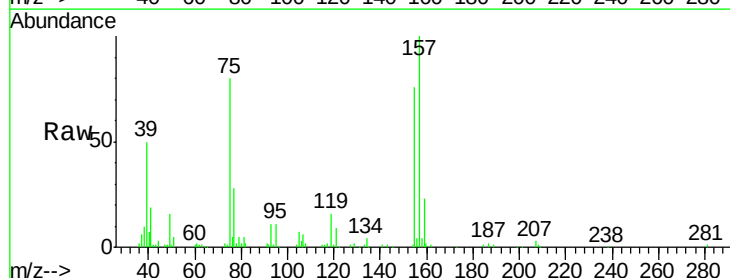
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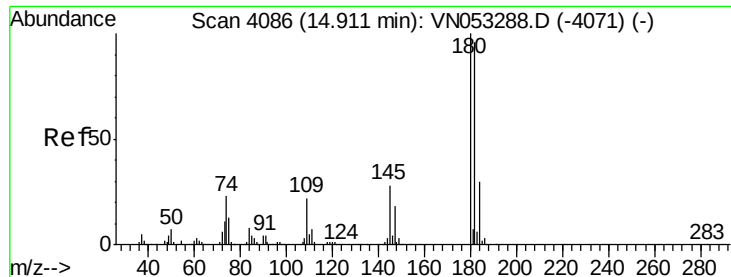
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.816 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	48.1	144.3
157	124.0	61.5	184.4





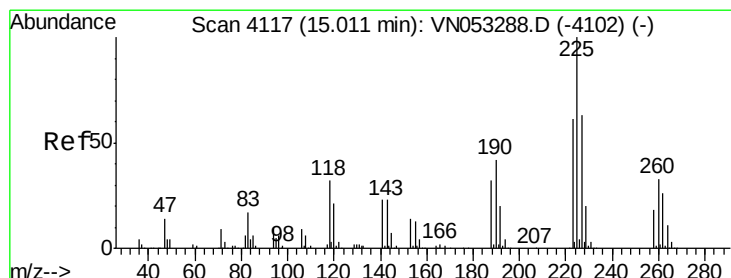
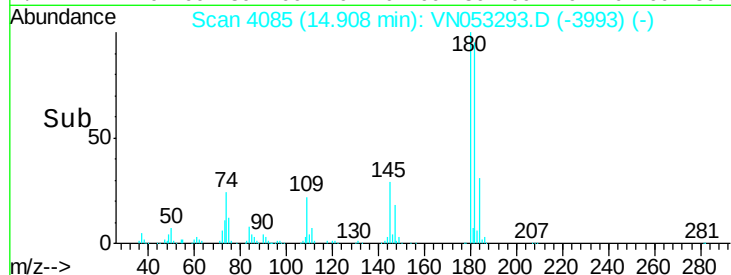
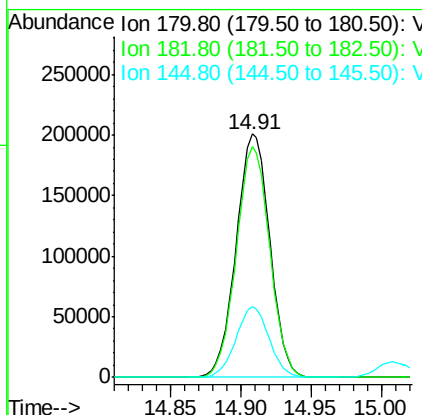
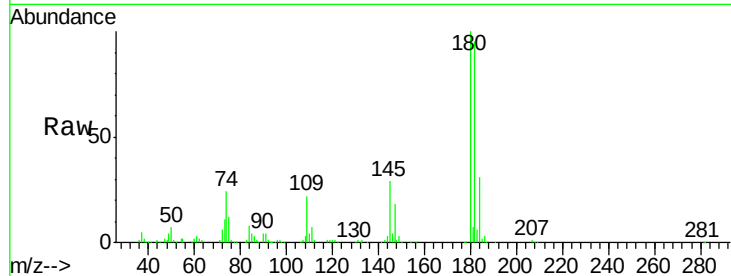
#93
 1,2,4-Trichlorobenzene
 Concen: 52.436 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.8	143.4	
145	28.5	14.4	43.0	

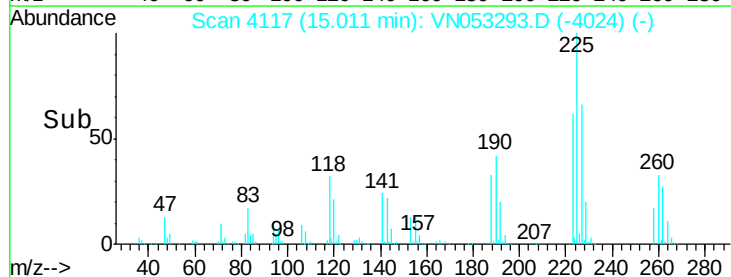
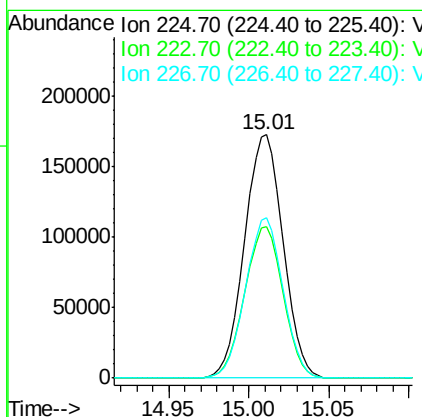
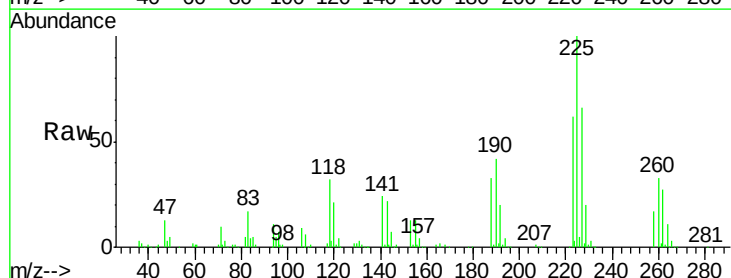
Manual Integrations
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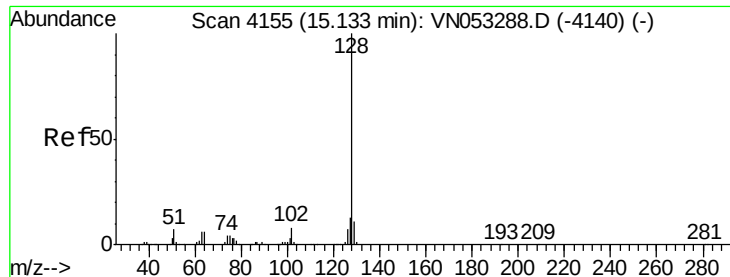
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 1/8/2019 9:24:53 AM



#94
 Hexachlorobutadiene
 Concen: 54.038 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053293.D
 Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	30.9	92.8	
227	64.2	31.4	94.2	





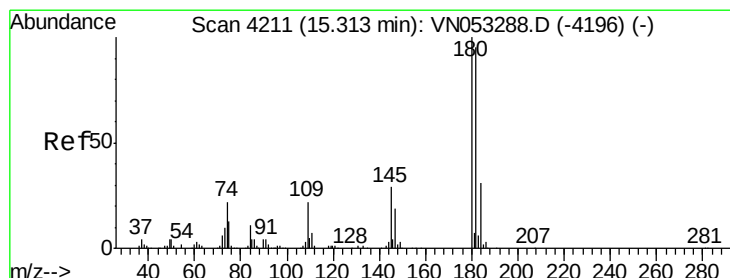
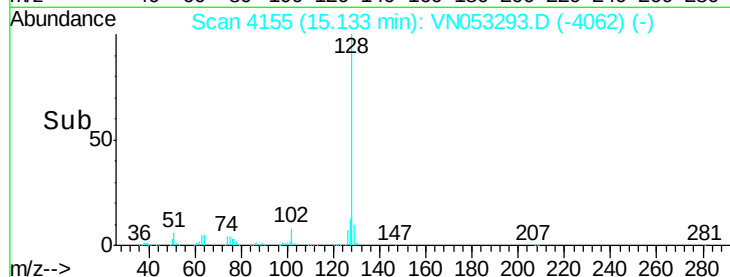
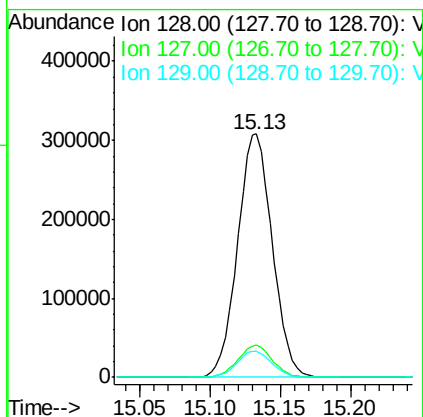
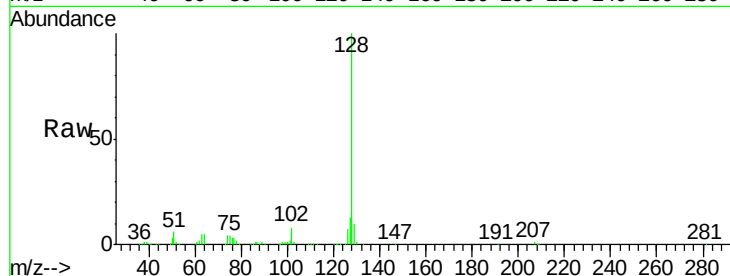
#95
Naphthalene
Concen: 48.547 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	531120		
127	13.0		10.4	15.6
129	10.7		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.372 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053293.D
Acq: 7 Jan 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	203102		
182	96.2		48.4	145.0
145	29.0		14.9	44.5

