

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053788.D
 Acq On : 14 Feb 2019 19:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:19:58 AM

Quant Time: Feb 15 02:34:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1088661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	953660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	464392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	360936	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.59	113	353545	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.09	98	1280048	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	430516	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	346412	43.414	ug/l	100
3) Chloromethane	2.06	50	388650	46.206	ug/l	98
4) Vinyl Chloride	2.19	62	407608	49.920	ug/l	99
5) Bromomethane	2.57	94	263461	49.348	ug/l	98
6) Chloroethane	2.71	64	246903	52.915	ug/l	100
7) Trichlorofluoromethane	3.02	101	531736	48.023	ug/l	99
8) Diethyl Ether	3.41	74	198111	48.992	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	332154	48.504	ug/l	98
10) Methyl Iodide	3.96	142	501482	46.657	ug/l	100
11) Tert butyl alcohol	4.78	59	105126	249.916	ug/l	99
12) 1,1-Dichloroethene	3.74	96	309571	47.184	ug/l	98
13) Acrolein	3.61	56	56094	244.927	ug/l	98
14) Allyl chloride	4.33	41	493865	47.277	ug/l	99
15) Acrylonitrile	4.99	53	596698	262.764	ug/l	99
16) Acetone	3.81	43	389252	213.509	ug/l	99
17) Carbon Disulfide	4.06	76	833620	40.805	ug/l	100
18) Methyl Acetate	4.32	43	301770	55.892	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	868462	52.216	ug/l	100
20) Methylene Chloride	4.55	84	360993	47.197	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	331129	46.781	ug/l	99
22) Diisopropyl ether	5.95	45	1010045	52.182	ug/l	96
23) Vinyl Acetate	5.90	43	3382224	252.588	ug/l	98
24) 1,1-Dichloroethane	5.85	63	629617	48.768	ug/l	99
25) 2-Butanone	6.83	43	619047	238.080	ug/l	99
26) 2,2-Dichloropropane	6.82	77	434987	44.137	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	390593	49.626	ug/l	97
28) Bromochloromethane	7.20	49	276065	49.275	ug/l	96
29) Tetrahydrofuran	7.21	42	429527	257.256	ug/l	98
30) Chloroform	7.37	83	629883	49.217	ug/l	100
31) Cyclohexane	7.66	56	542170	45.089	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	529089	49.677	ug/l	99
36) 1,1-Dichloropropene	7.79	75	465485	47.433	ug/l	99
37) Ethyl Acetate	6.93	43	278645	50.839	ug/l	99
38) Carbon Tetrachloride	7.78	117	470708	47.613	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	532250	45.715	ug/l	98
40) Benzene	8.04	78	1448255	47.856	ug/l	99
41) Methacrylonitrile	7.17	41	152438	49.763	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	431799	48.054	ug/l	99
43) Isopropyl Acetate	8.17	43	508948	48.083	ug/l	99
44) Trichloroethene	8.84	130	402832	46.756	ug/l	100
45) 1,2-Dichloropropane	9.12	63	384783	49.711	ug/l	100
46) Dibromomethane	9.21	93	228542	48.980	ug/l	97
47) Bromodichloromethane	9.40	83	483544	49.842	ug/l	99
48) Methyl methacrylate	9.20	41	233958m	46.304	ug/l	
49) 1,4-Dioxane	9.20	88	67492	924.923	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1357635	261.012	ug/l	100
52) Toluene	10.16	92	879798	48.985	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	479836	49.393	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	562376	48.852	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	328915	50.821	ug/l	99
56) Ethyl methacrylate	10.43	69	396433	51.778	ug/l	99
57) 1,3-Dichloropropane	10.71	76	551636	49.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	924381	196.449	ug/l	99
59) 2-Hexanone	10.75	43	848210	240.212	ug/l	99
60) Dibromochloromethane	10.90	129	373933	51.236	ug/l	100
61) 1,2-Dibromoethane	11.01	107	312978	48.859	ug/l	99
64) Tetrachloroethene	10.63	164	392479	48.010	ug/l	98
65) Chlorobenzene	11.44	112	963759	47.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	365242	51.628	ug/l	99
67) Ethyl Benzene	11.51	91	1610870	48.410	ug/l	99
68) m/p-Xylenes	11.62	106	1255356	98.846	ug/l	99
69) o-Xylene	11.95	106	616345	50.234	ug/l	98
70) Styrene	11.96	104	1005825	50.578	ug/l	99
71) Bromoform	12.13	173	258261	53.249	ug/l #	99
73) Isopropylbenzene	12.25	105	1597373	48.930	ug/l	100
74) N-amyl acetate	12.07	43	393880	50.174	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	379067	48.517	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	340669m	57.113	ug/l	
77) Bromobenzene	12.53	156	429525	48.819	ug/l	97
78) n-propylbenzene	12.59	91	1840133	48.759	ug/l	99
79) 2-Chlorotoluene	12.67	91	1099116	49.090	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1367088	50.499	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	103110	48.608	ug/l	99
82) 4-Chlorotoluene	12.77	91	1101850	47.958	ug/l	99
83) tert-Butylbenzene	12.99	119	1208906	50.526	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1396972	50.650	ug/l	100
85) sec-Butylbenzene	13.17	105	1640089	50.372	ug/l	100
86) p-Isopropyltoluene	13.29	119	1422789	49.964	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	751144	47.491	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	742070	47.430	ug/l	99
89) n-Butylbenzene	13.62	91	1182151	47.962	ug/l	100
90) Hexachloroethane	13.88	117	243888	51.924	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	740702	48.918	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54646	49.076	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	405709	46.718	ug/l	99
94) Hexachlorobutadiene	15.01	225	261984	48.442	ug/l	99
95) Naphthalene	15.13	128	831192	41.066	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	388534	48.218	ug/l	100

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

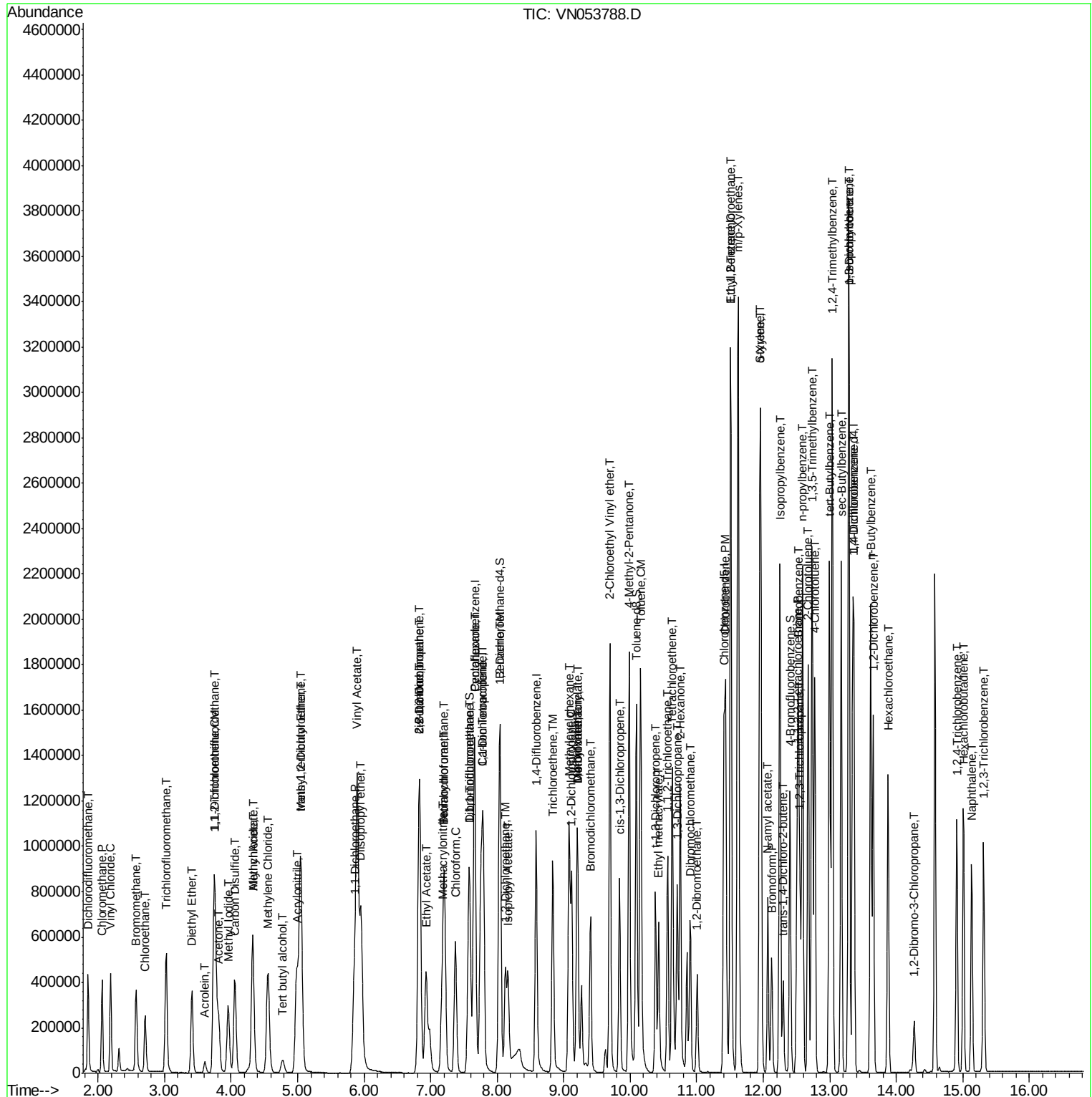
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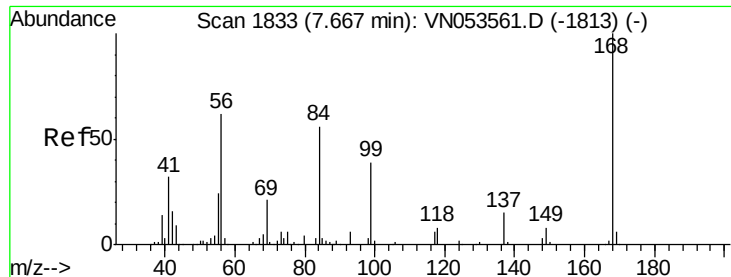
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 708498

Ion Ratio Lower Upper

168 100

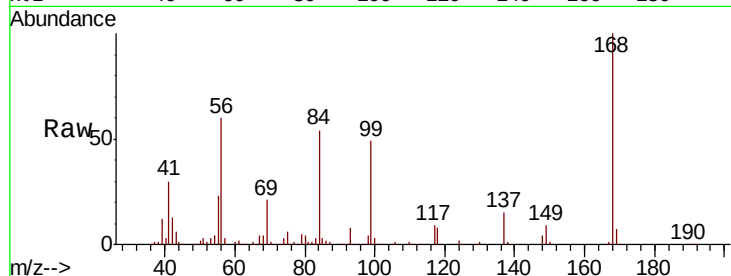
99 48.5 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

150000

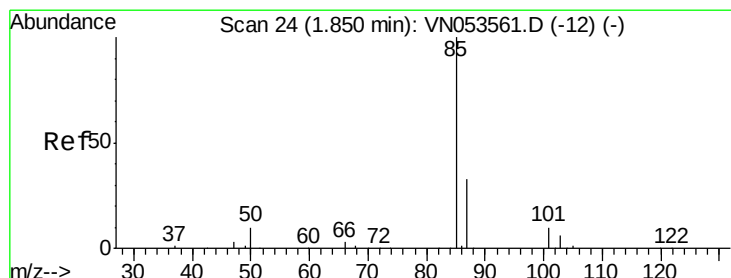
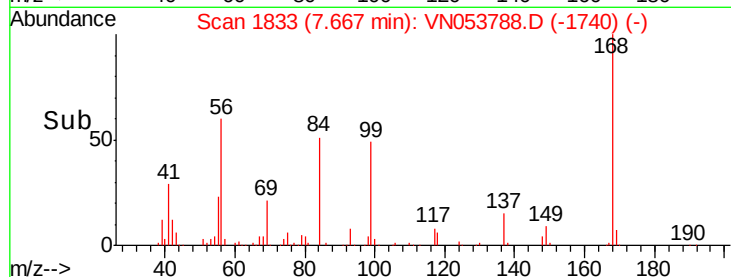
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50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 43.414 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053788.D

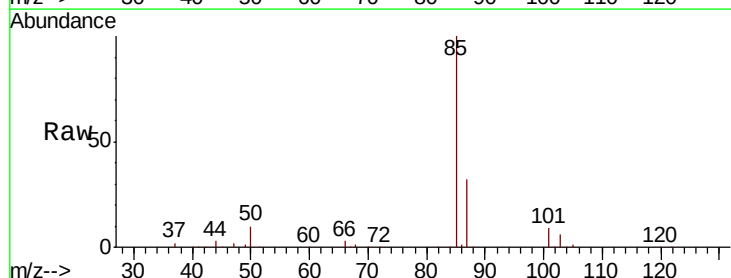
Acq: 14 Feb 2019 19:09

Tgt Ion: 85 Resp: 346412

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

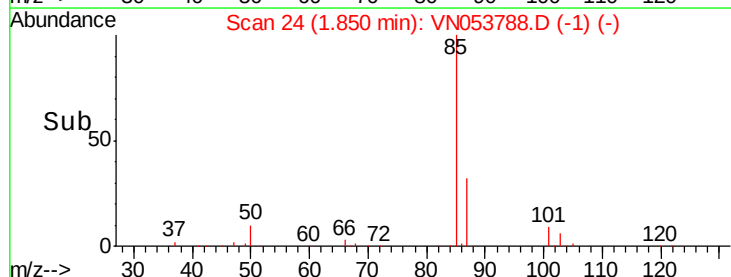
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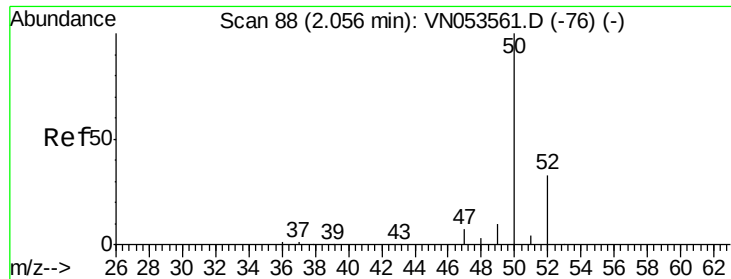
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1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.206 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 388650

Ion Ratio Lower Upper

50 100

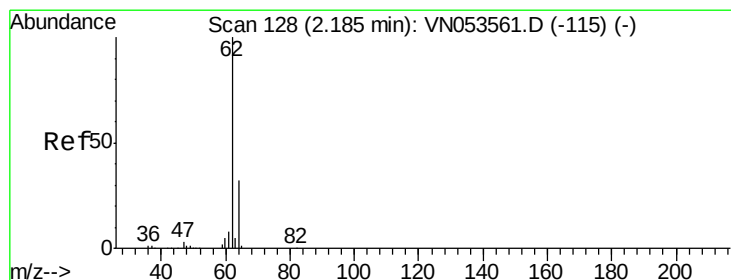
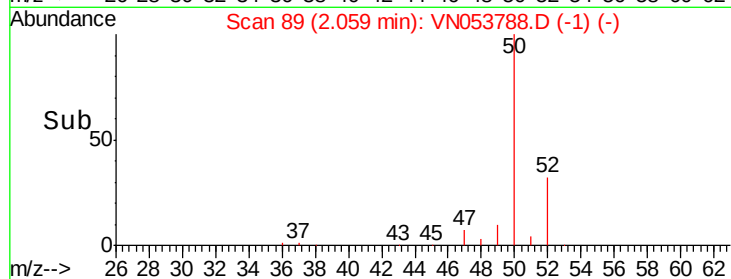
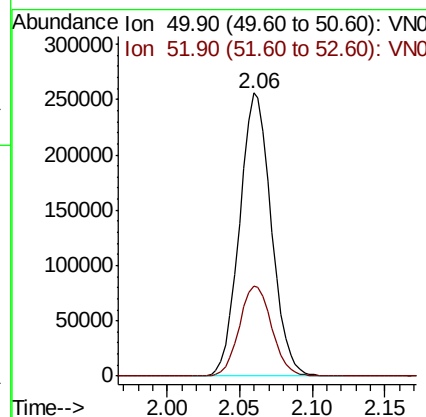
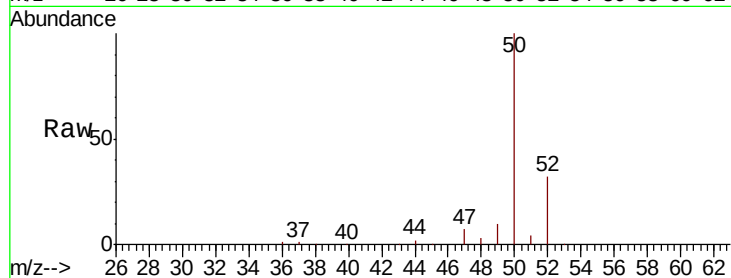
52 32.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.920 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053788.D

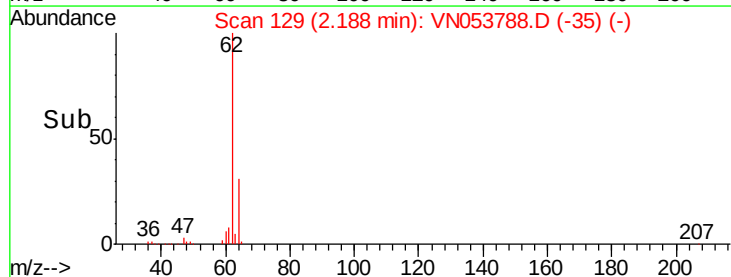
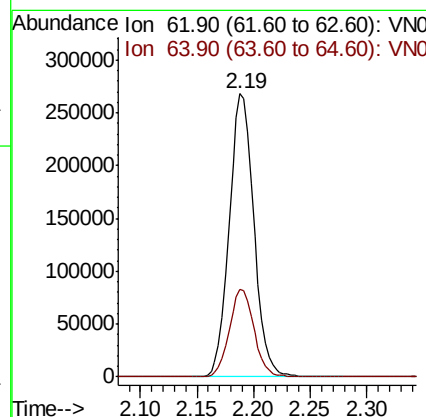
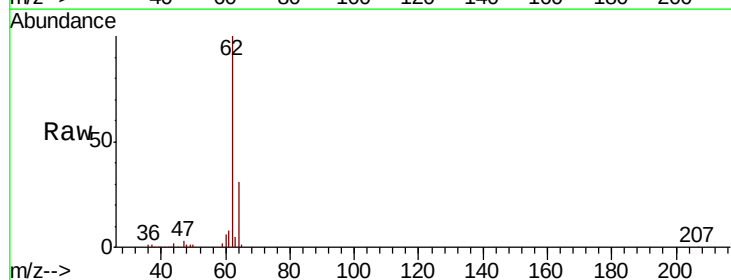
Acq: 14 Feb 2019 19:09

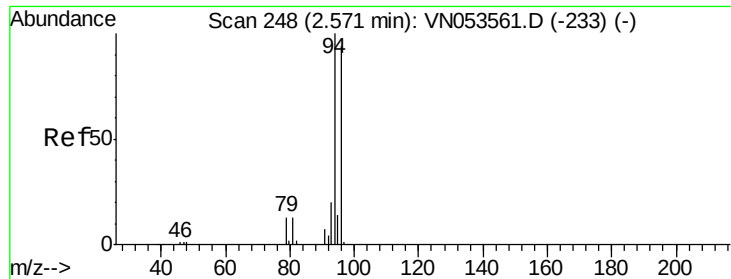
Tgt Ion: 62 Resp: 407608

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 49.348 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 263461

Ion Ratio Lower Upper

94 100

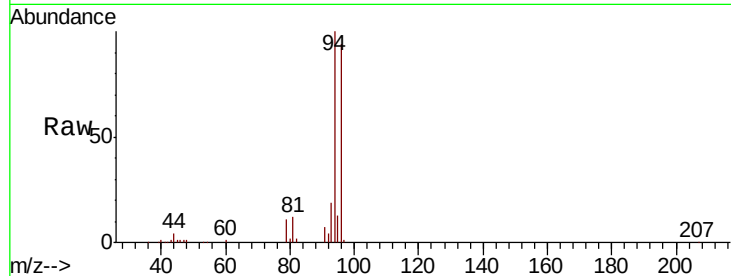
96 93.6 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

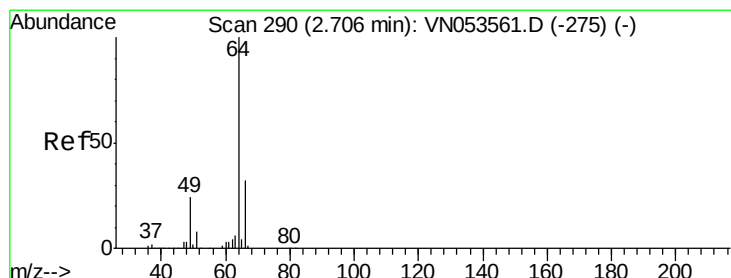
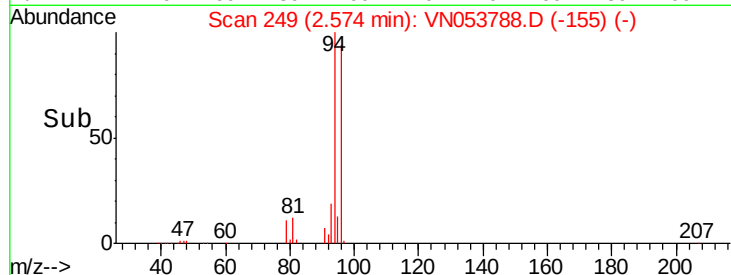
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50000

0

Time-->



#6

Chloroethane

Concen: 52.915 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053788.D

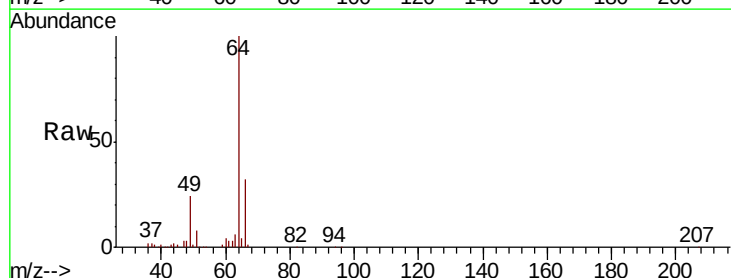
Acq: 14 Feb 2019 19:09

Tgt Ion: 64 Resp: 246903

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.71

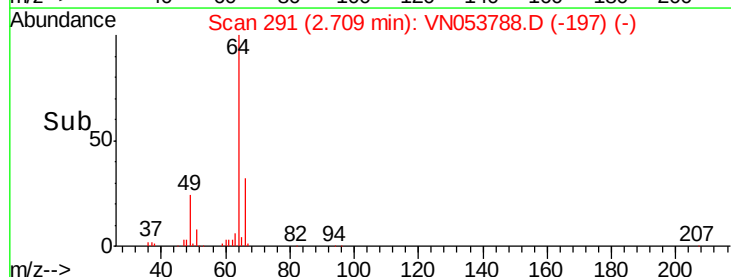
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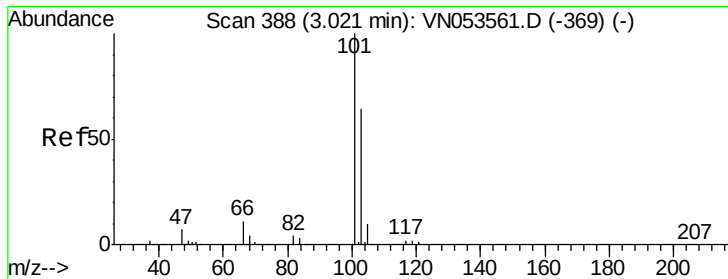
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Time-->





#7

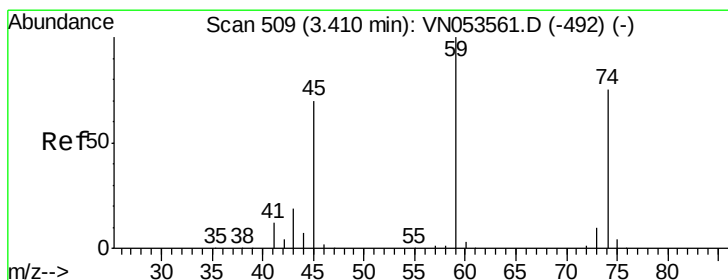
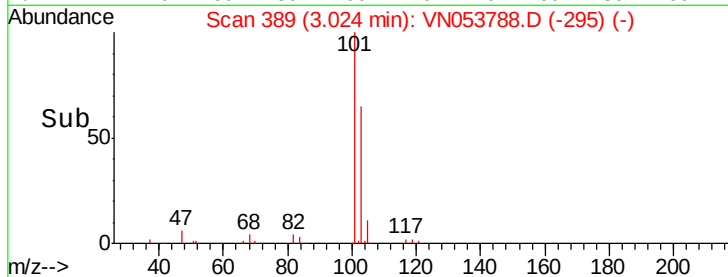
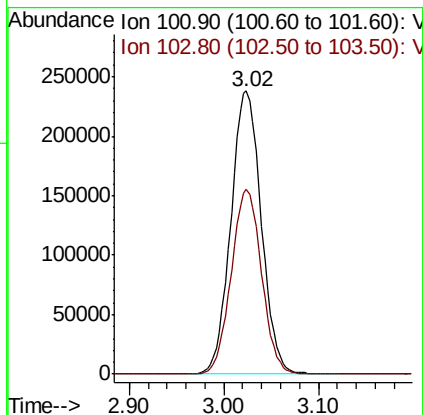
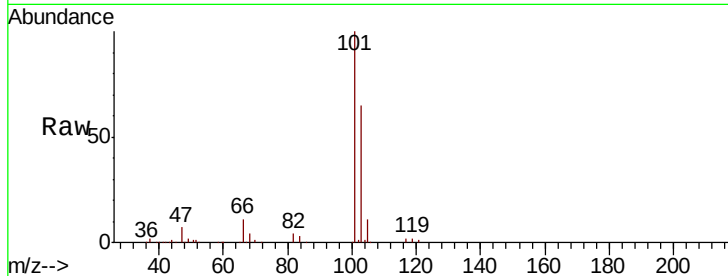
Trichlorofluoromethane
Concen: 48.023 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

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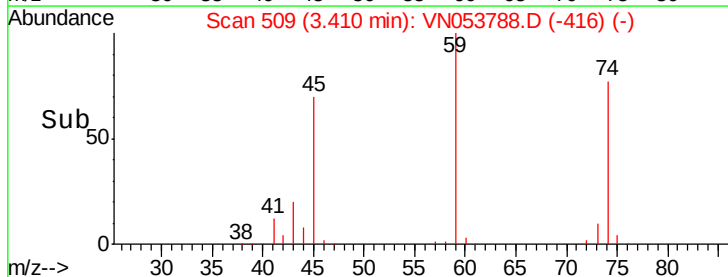
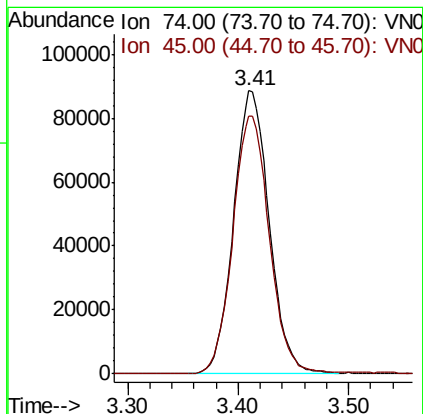
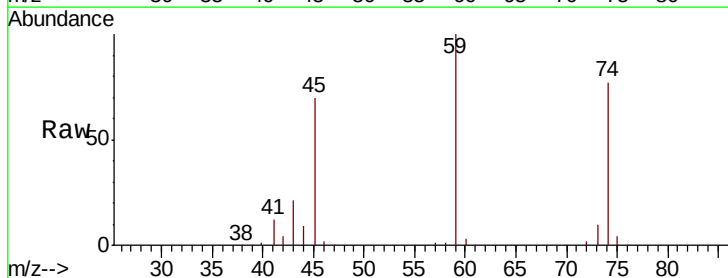
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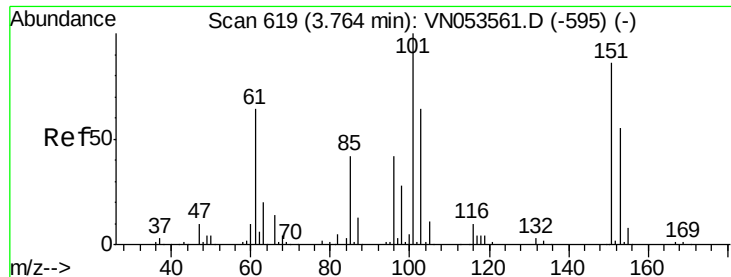


#8

Diethyl Ether
Concen: 48.992 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.6	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.504 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

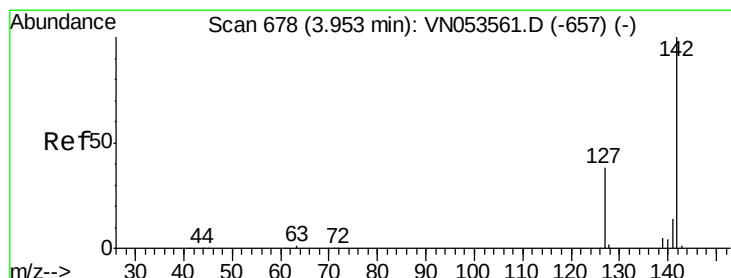
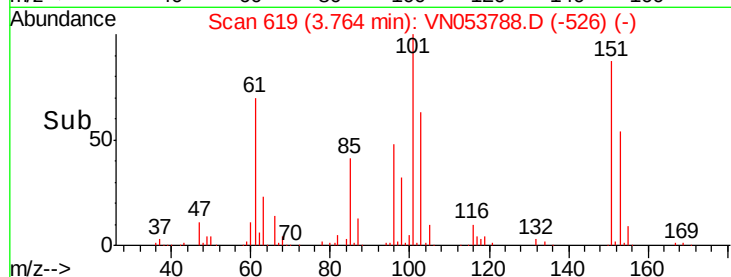
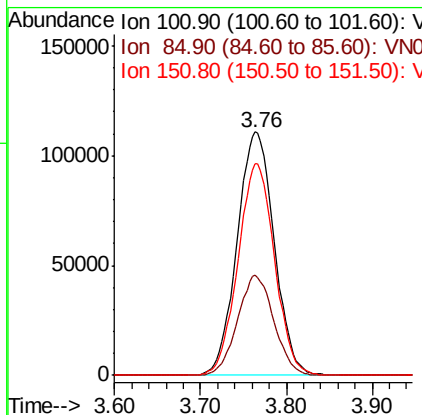
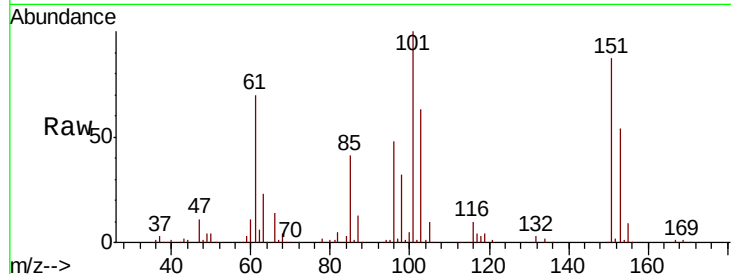
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	332154
Ion Ratio	Lower	Upper	
101	100		
85	40.3	32.8	49.2
151	85.7	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 46.657 ug/l

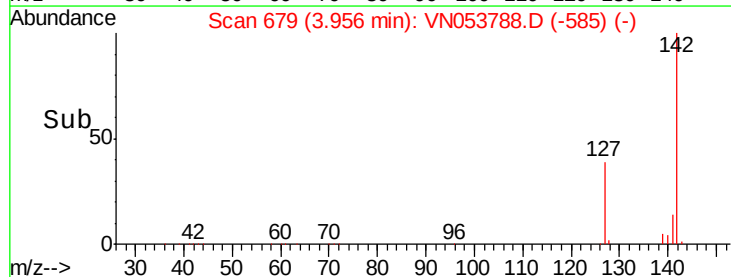
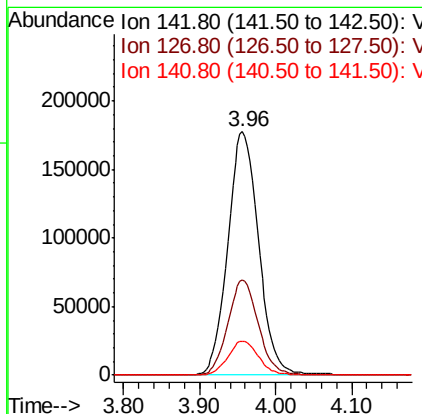
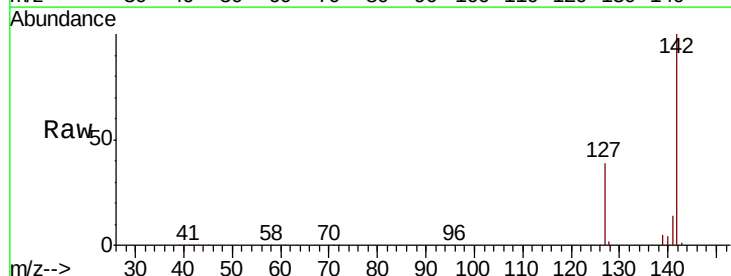
RT: 3.96 min Scan# 679

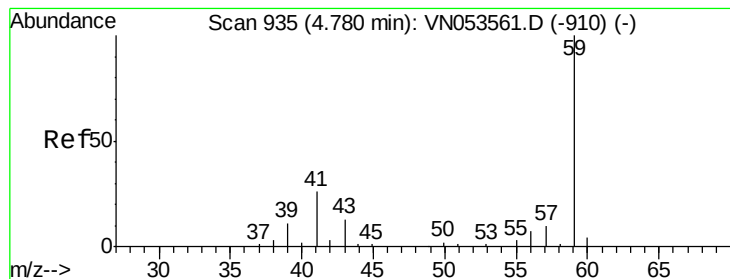
Delta R.T. 0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion:	142	Resp:	501482
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.0	46.4
141	13.9	11.1	16.7





#11

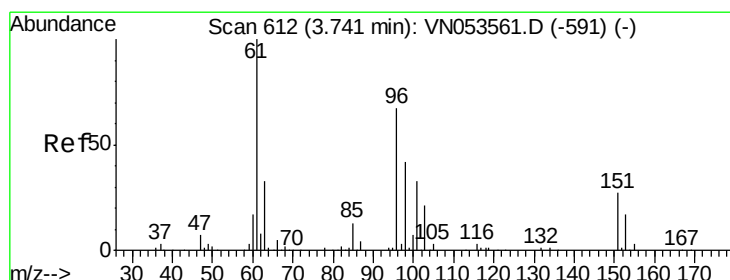
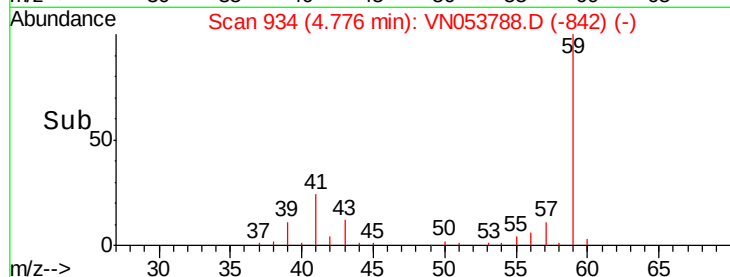
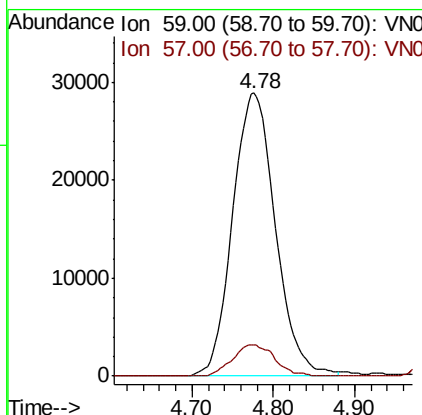
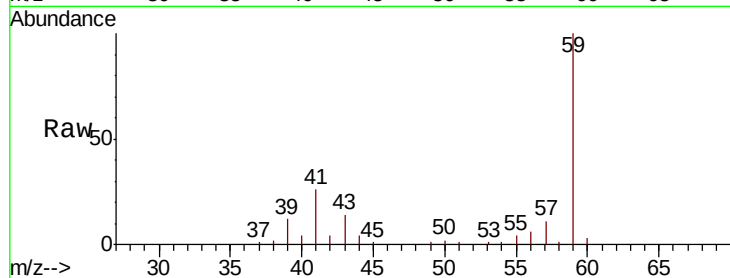
Tert butyl alcohol
Concen: 249.916 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.4

Manual Integrations
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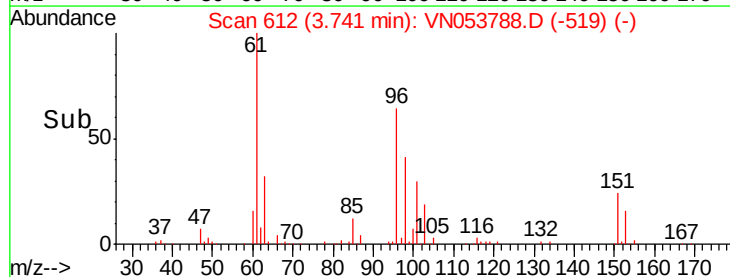
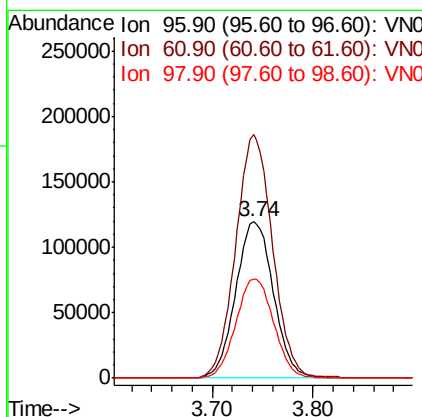
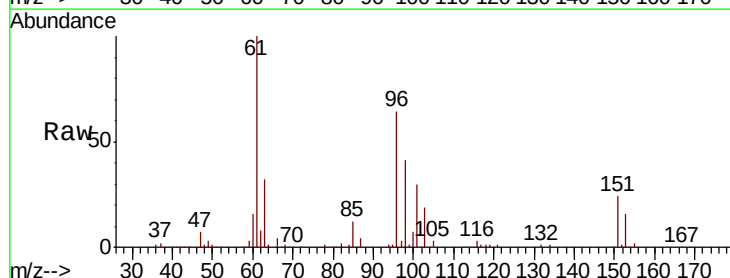
MMDadoda
2/15/2019 10:19:58 AM

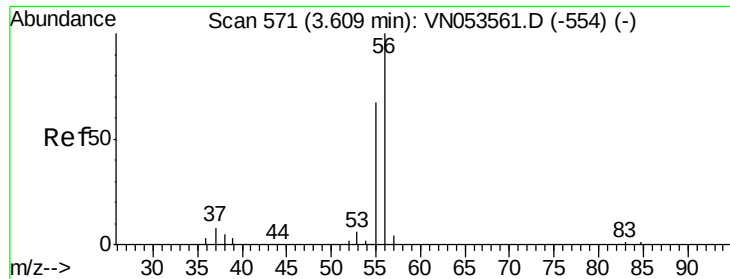


#12

1,1-Dichloroethene
Concen: 47.184 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.1	122.9	184.3
98	63.7	49.4	74.0





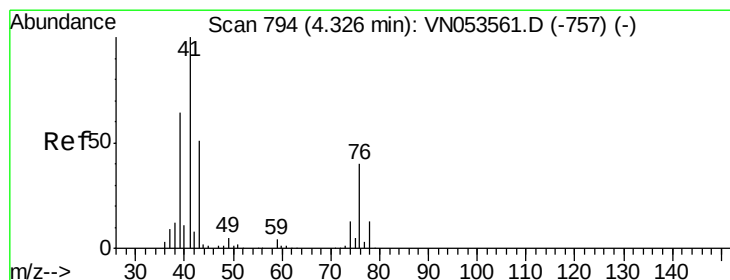
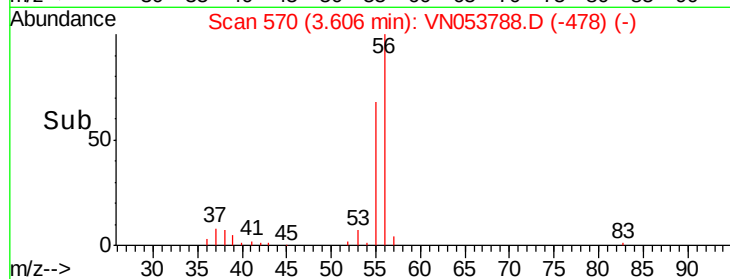
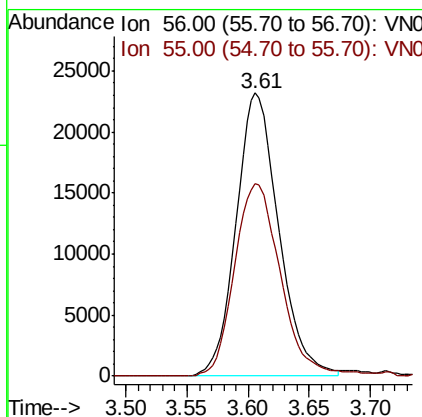
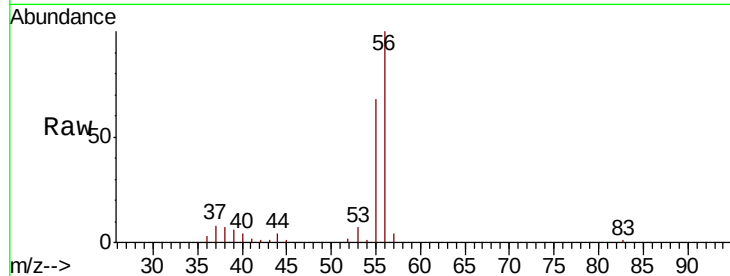
#13
Acrolein
Concen: 244.927 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	Lower	Upper
56094	100	73.6		57.4	86.0

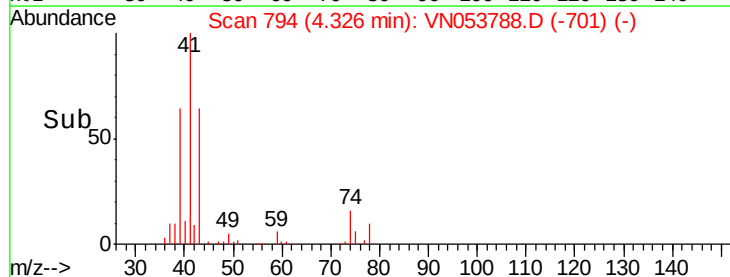
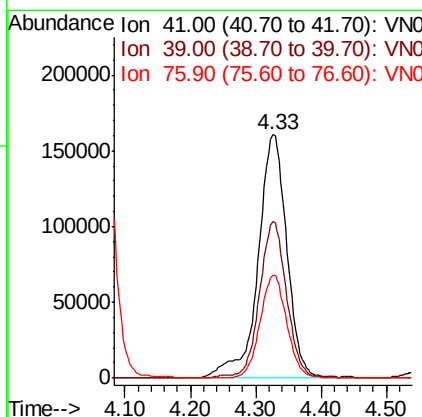
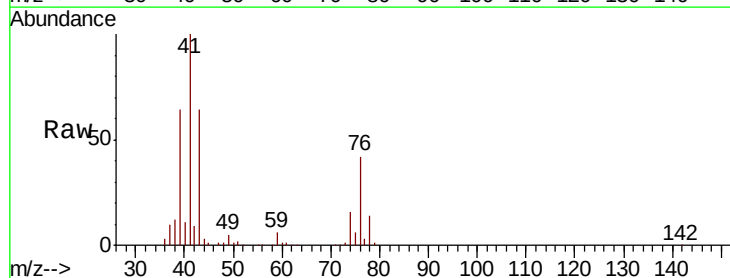
Manual Integrations
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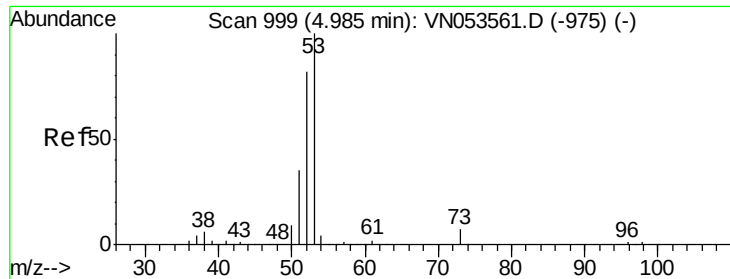
MMDadoda
2/15/2019 10:19:58 AM



#14
Allyl chloride
Concen: 47.277 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	41	39	76	Ratio	Lower	Upper
493865	100	60.6	38.4		48.9	73.3





#15

Acrylonitrile

Concen: 262.764 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

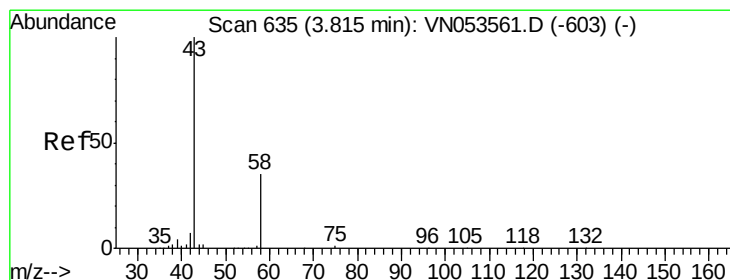
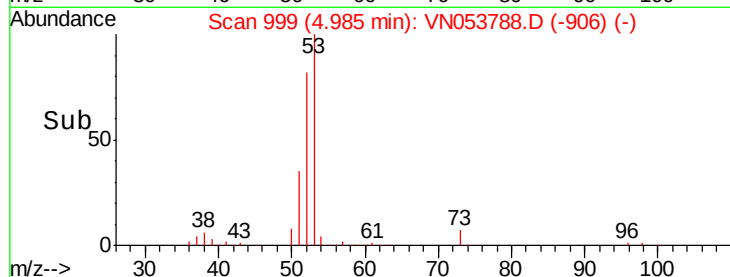
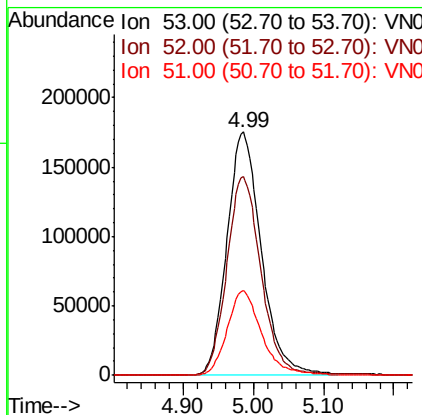
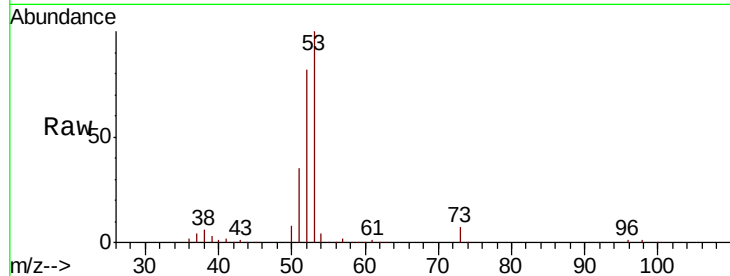
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	596698
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.0	99.0
51	34.9	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 213.509 ug/l

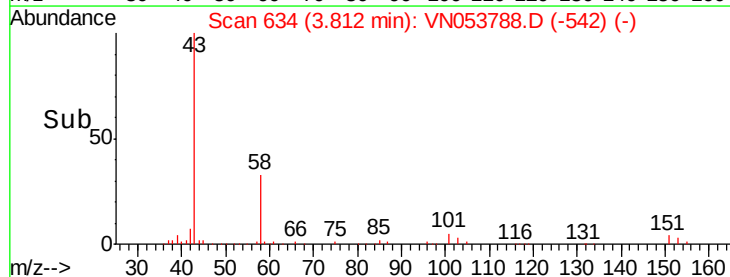
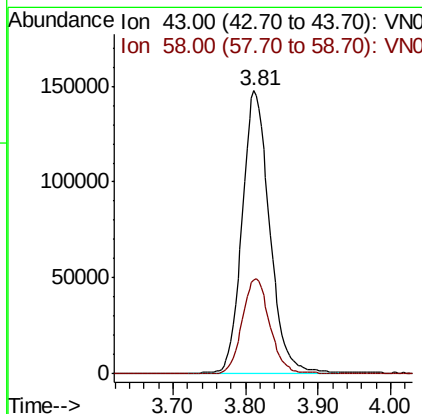
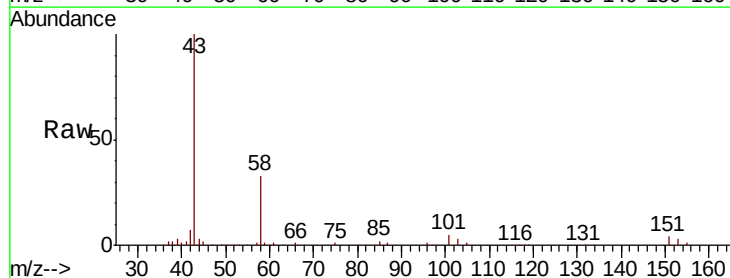
RT: 3.81 min Scan# 634

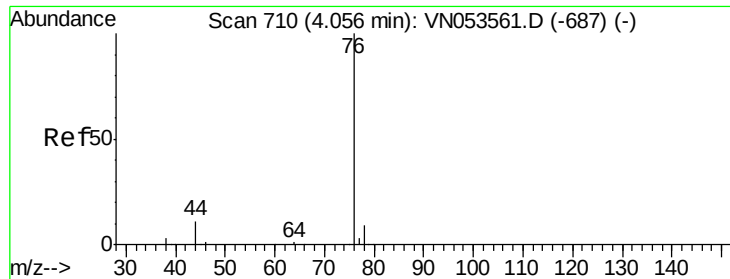
Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion:	43	Resp:	389252
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.1	40.7





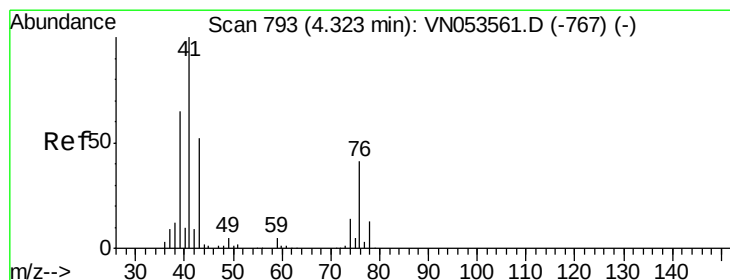
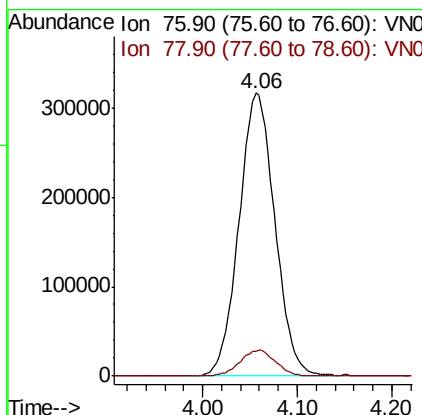
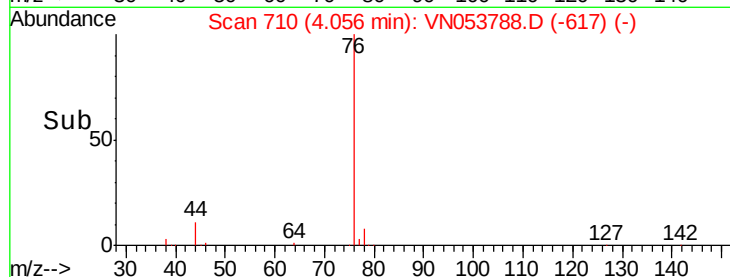
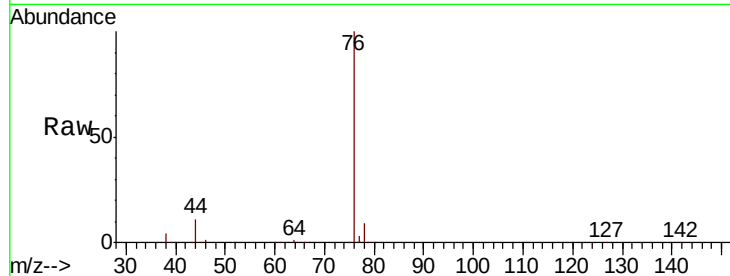
#17
Carbon Disulfide
Concen: 40.805 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

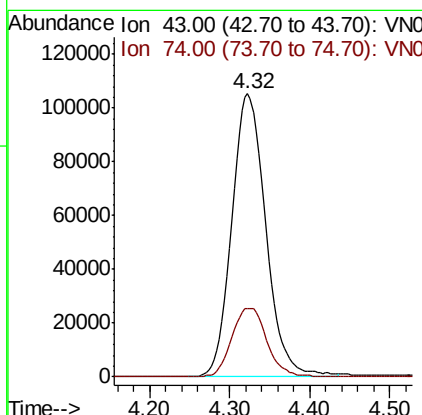
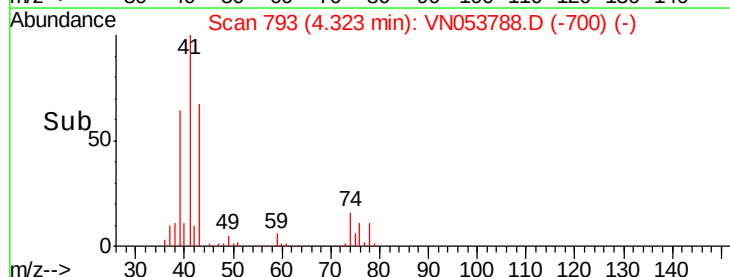
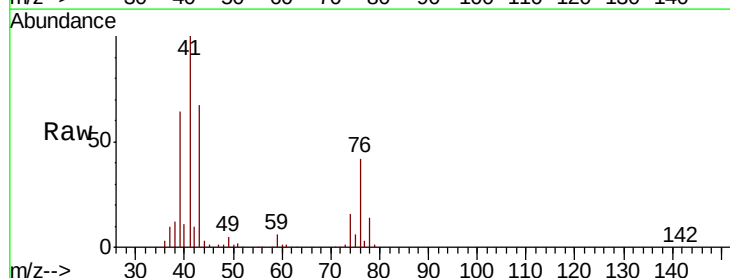
Manual Integrations
APPROVED

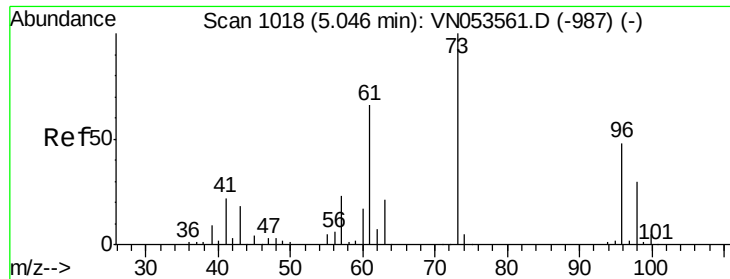
MMDadoda
2/15/2019 10:19:58 AM



#18
Methyl Acetate
Concen: 55.892 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.4	29.2





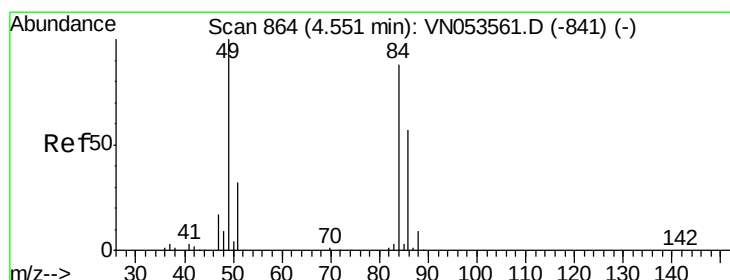
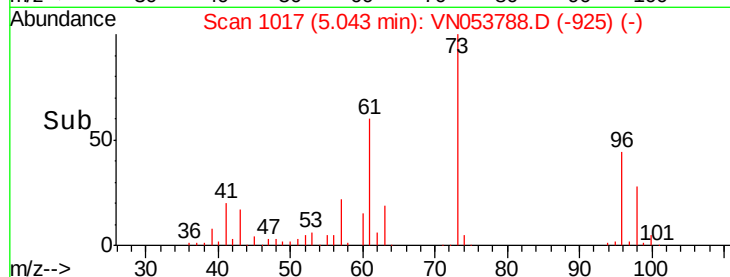
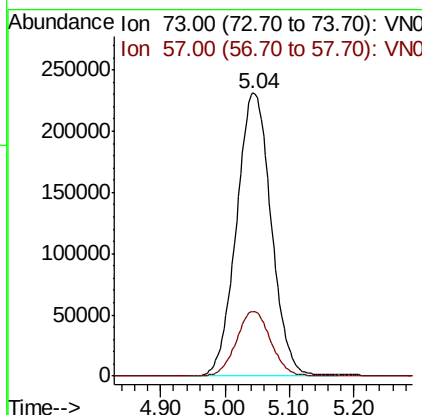
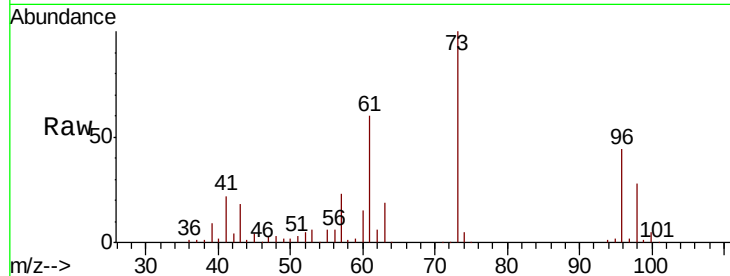
#19
Methyl tert-butyl Ether
Concen: 52.216 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 868462
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5

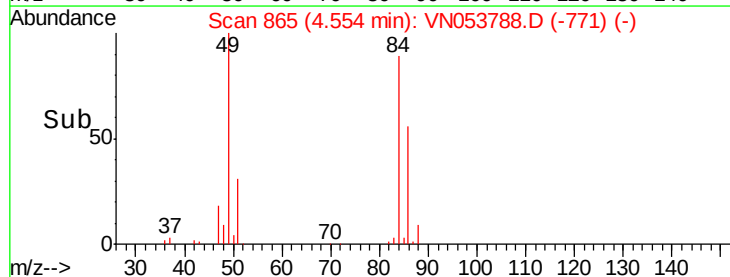
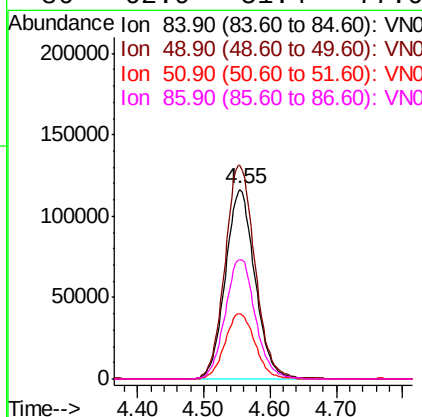
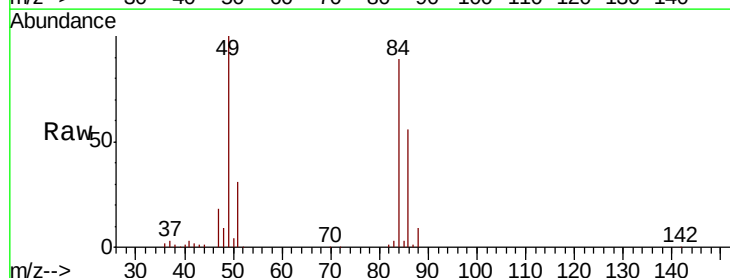
Manual Integrations
APPROVED

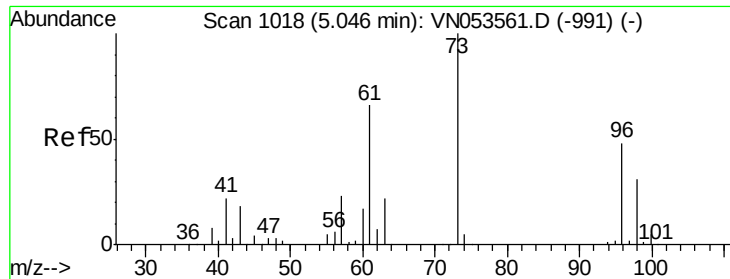
MMDadoda
2/15/2019 10:19:58 AM



#20
Methylene Chloride
Concen: 47.197 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion: 84 Resp: 360993
Ion Ratio Lower Upper
84 100
49 112.4 94.3 141.5
51 34.7 29.4 44.2
86 62.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 46.781 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 331129

Ion Ratio Lower Upper

96 100

61 136.9 110.1 165.1

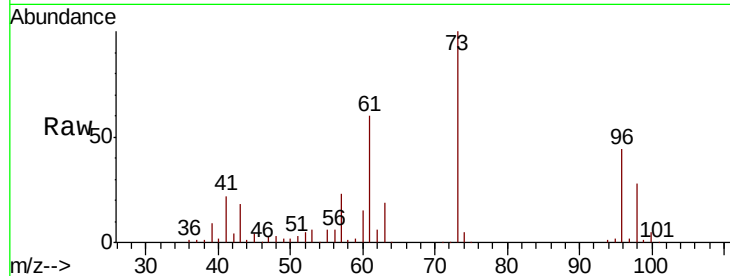
98 64.0 50.0 75.0

Manual Integrations

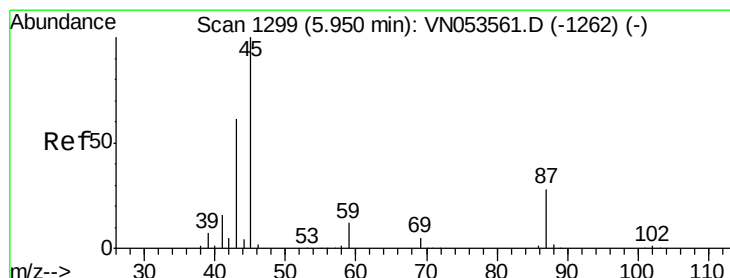
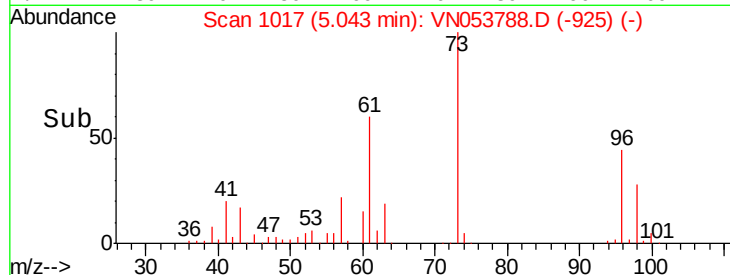
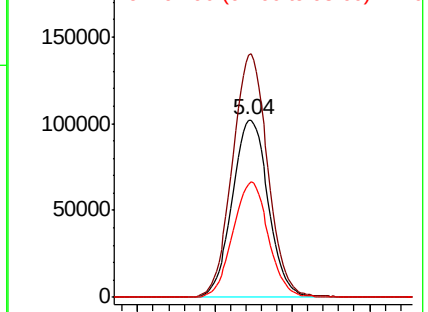
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 52.182 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion: 45 Resp: 1010045

Ion Ratio Lower Upper

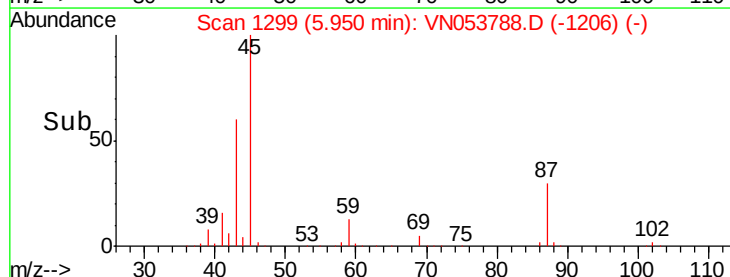
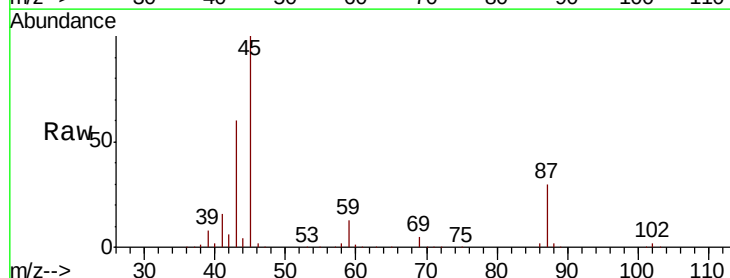
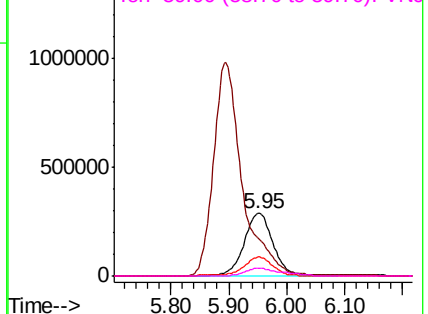
45 100

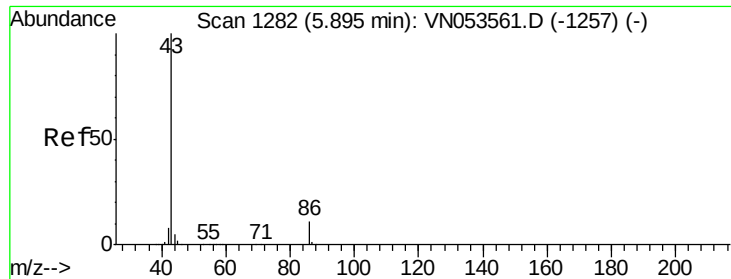
43 59.5 44.2 66.4

87 29.6 22.7 34.1

59 12.3 9.4 14.2

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: 252.588 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3382224

Ion Ratio Lower Upper

43 100

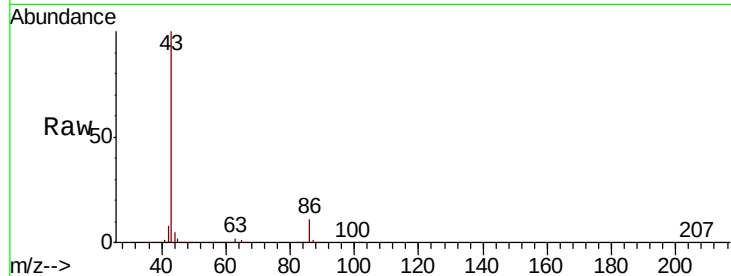
86 11.1 8.4 12.6

Manual Integrations

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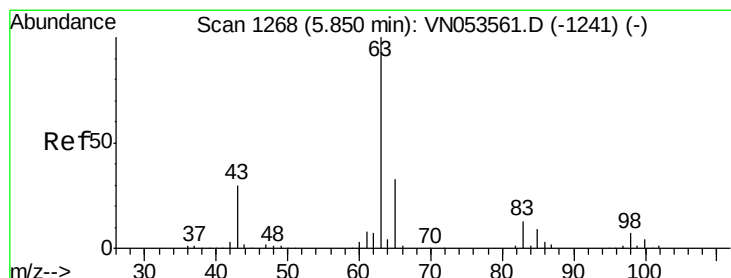
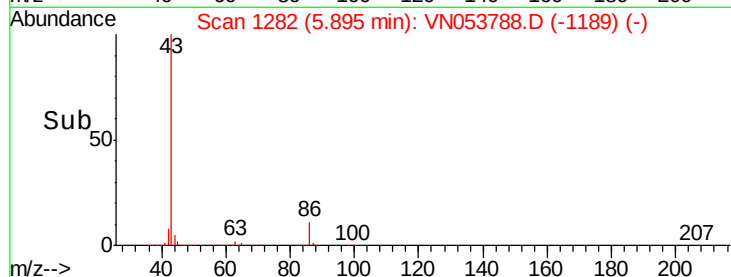
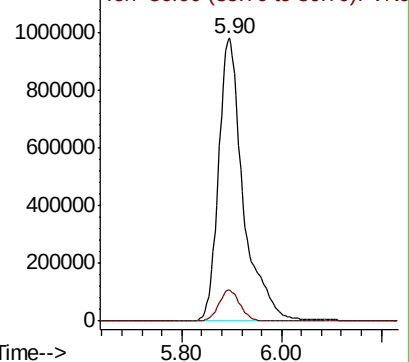
MMDadoda

2/15/2019 10:19:58 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: 48.768 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

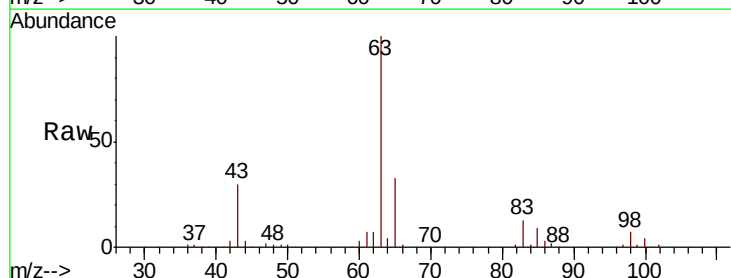
Tgt Ion: 63 Resp: 629617

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

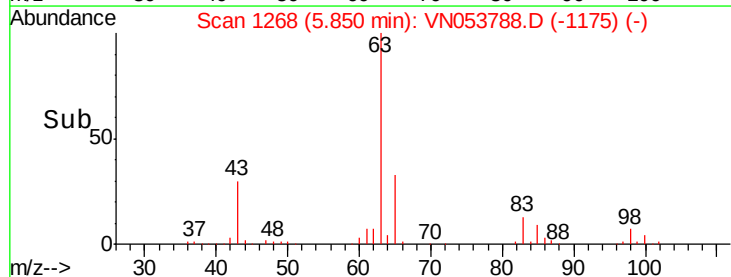
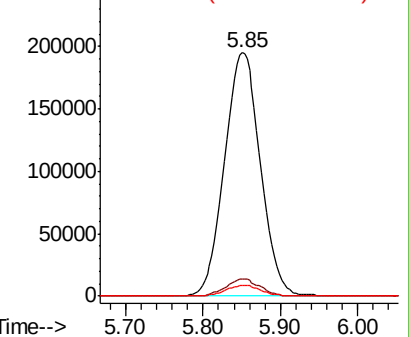
100 4.4 2.1 6.5

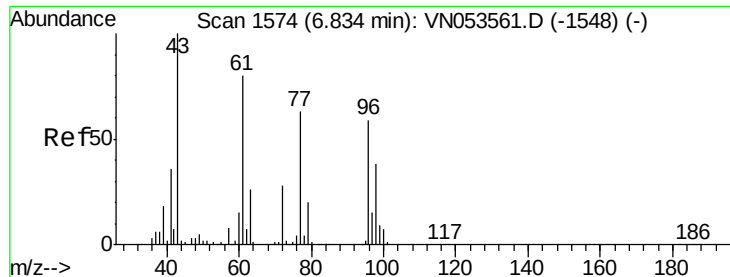


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





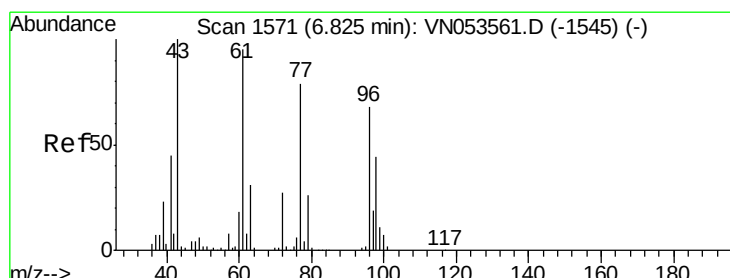
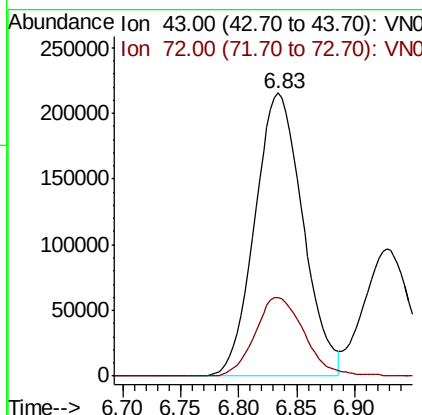
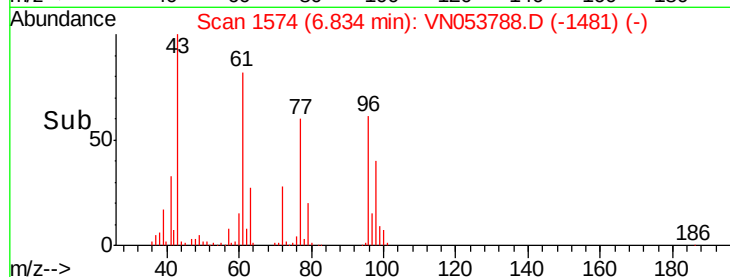
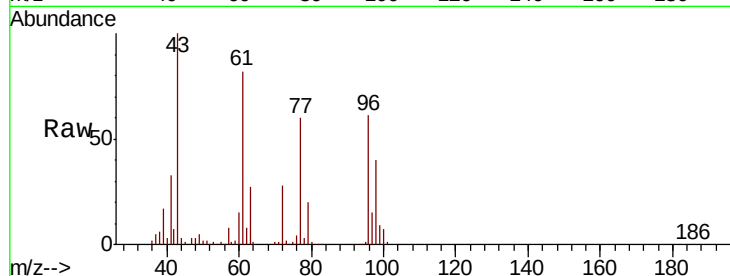
#25
2-Butanone
Concen: 238.080 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion: 43 Resp: 619047
Ion Ratio Lower Upper
43 100
72 28.0 22.0 33.0

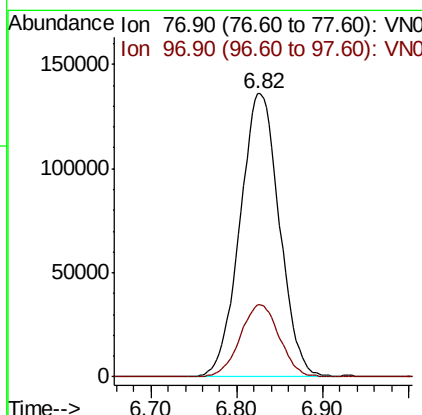
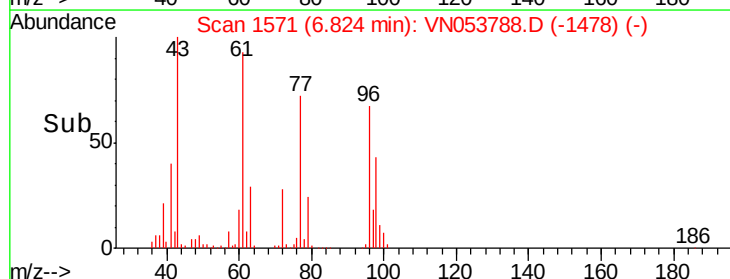
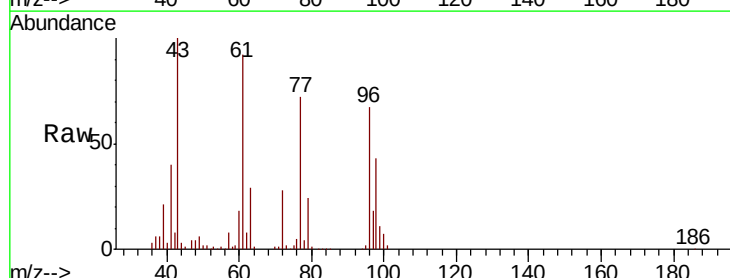
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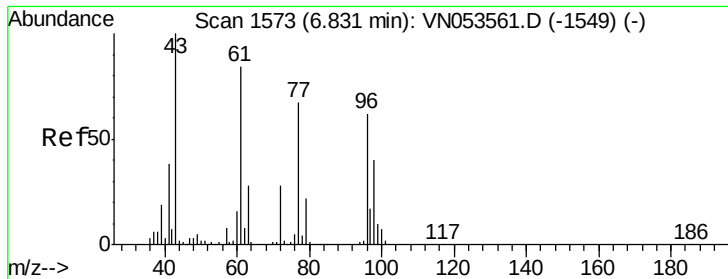
MMDadoda
2/15/2019 10:19:58 AM



#26
2,2-Dichloropropane
Concen: 44.137 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion: 77 Resp: 434987
Ion Ratio Lower Upper
77 100
97 25.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.626 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

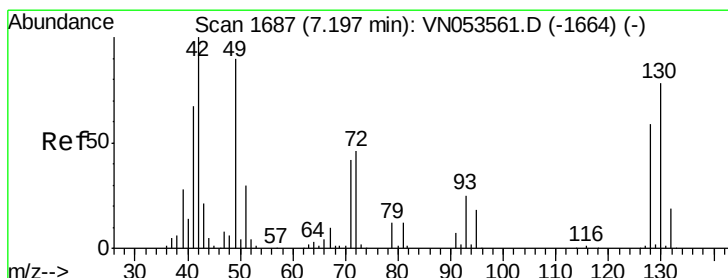
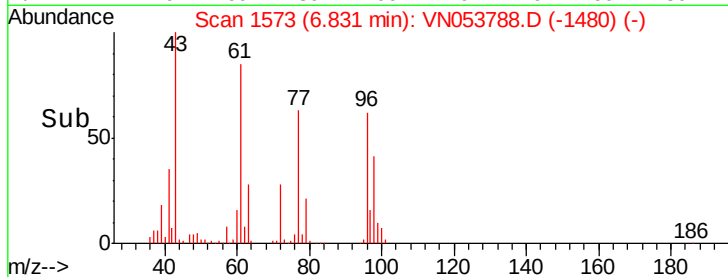
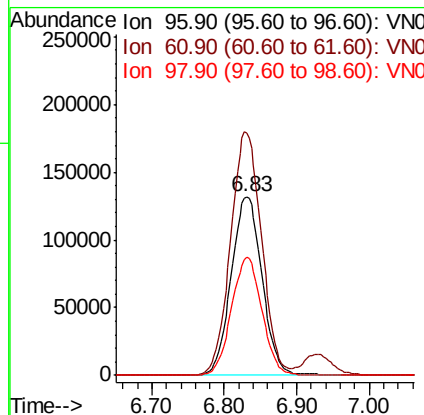
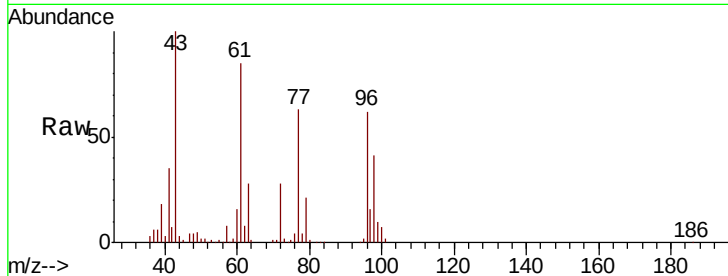
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	390593
Ion	Ratio	Lower	Upper
96	100		
61	136.8	0.0	283.8
98	65.3	0.0	129.2

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#28

Bromochloromethane

Concen: 49.275 ug/l

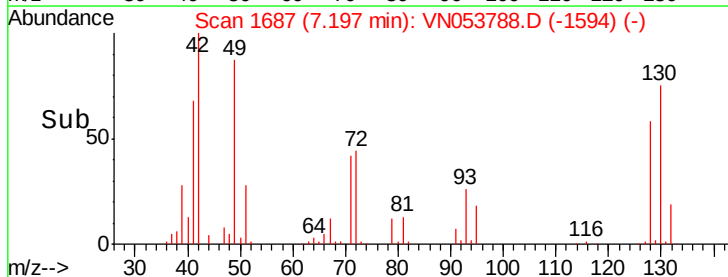
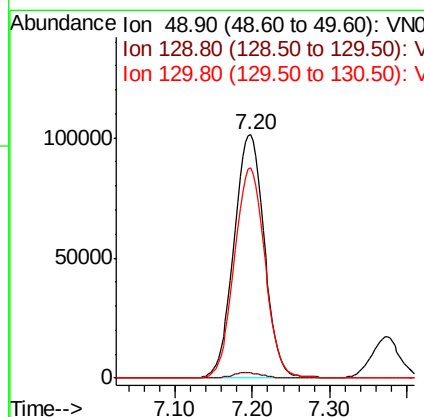
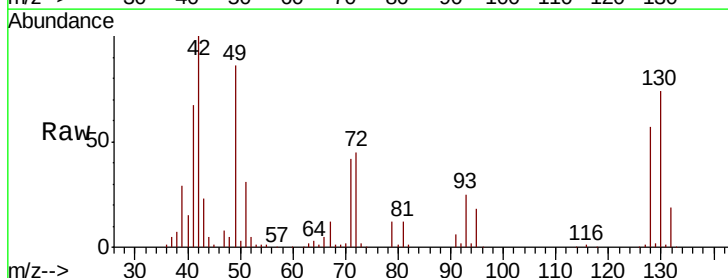
RT: 7.20 min Scan# 1687

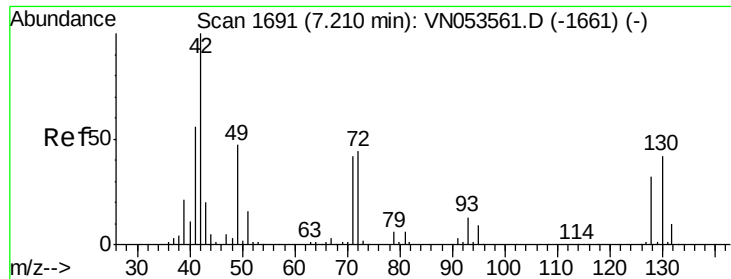
Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion:	49	Resp:	276065
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	86.5	66.3	99.5





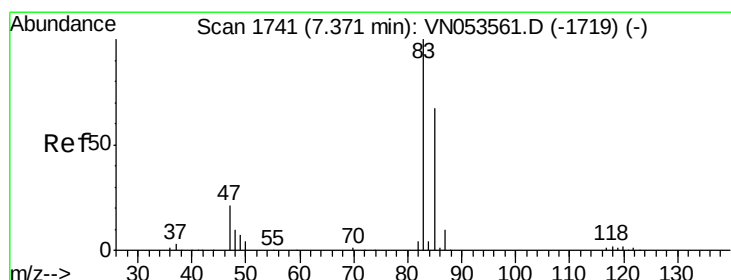
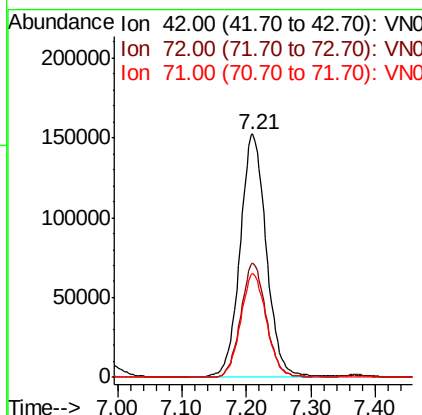
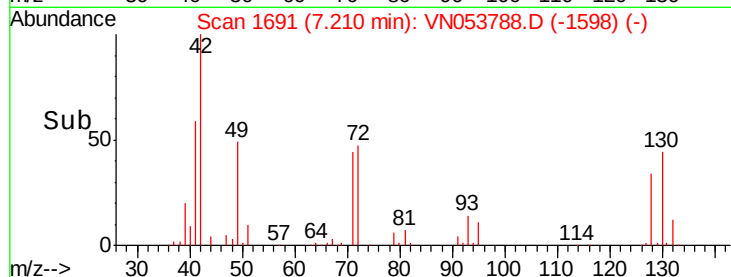
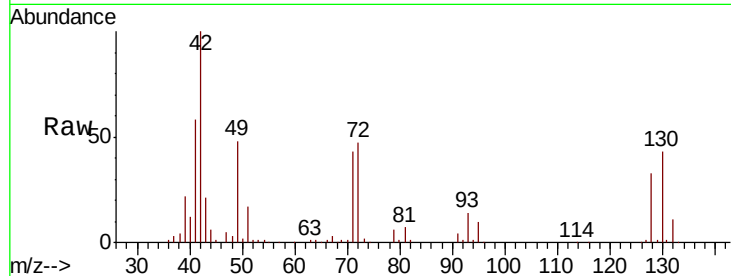
#29
Tetrahydrofuran
Concen: 257.256 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.2	52.8
71	42.3	33.0	49.4

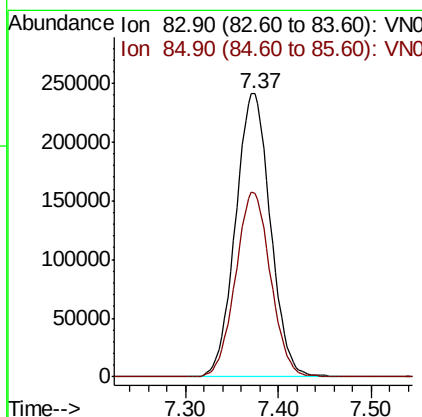
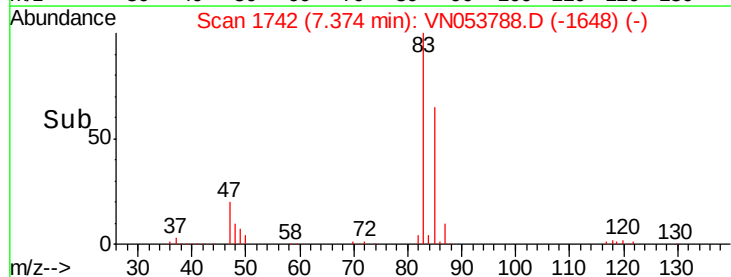
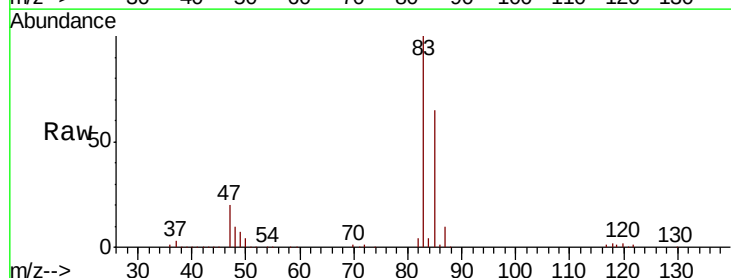
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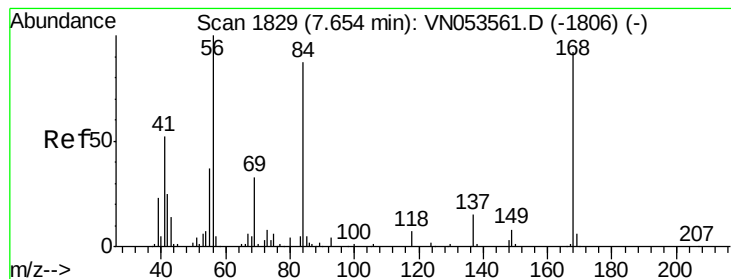
MMDadoda
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#30
Chloroform
Concen: 49.217 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.2





#31

Cyclohexane

Concen: 45.089 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

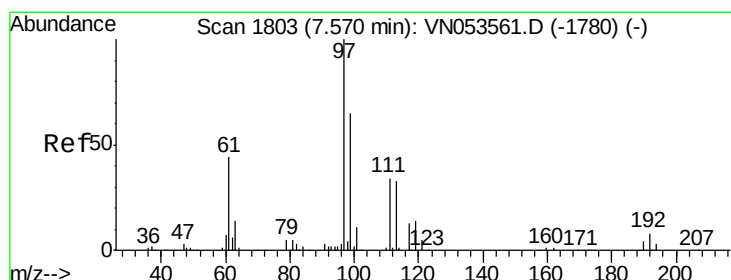
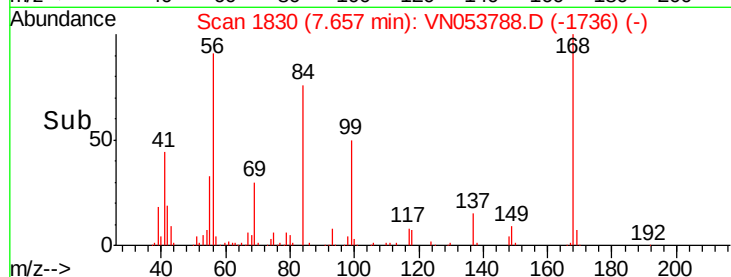
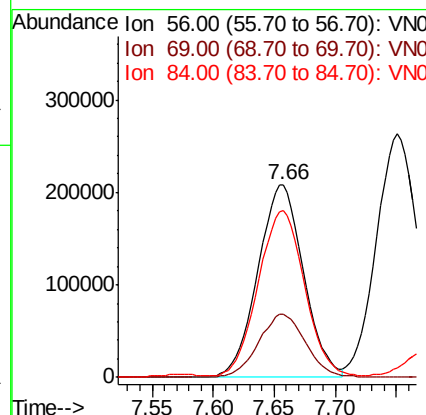
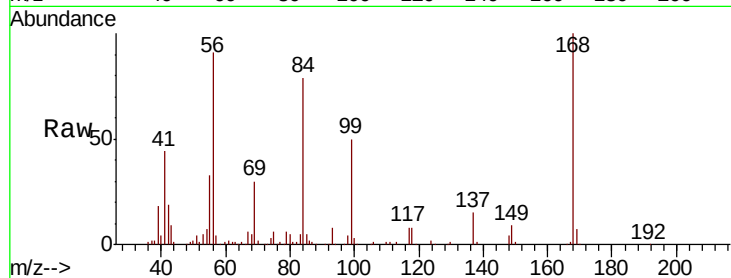
ClientSampleID :

VSTDCCC050EC

Tot Ion:	56	Resp:	542170
Ion Ratio	Lower	Upper	
56	100		
69	33.1	26.4	39.6
84	85.1	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 49.677 ug/l

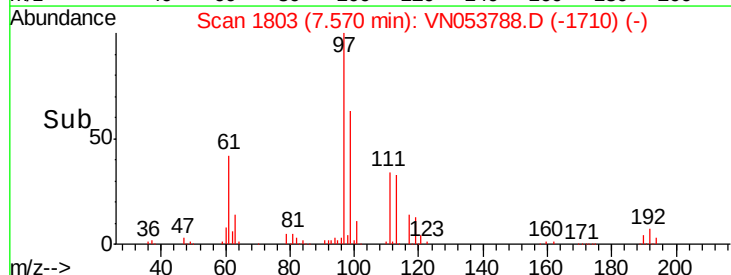
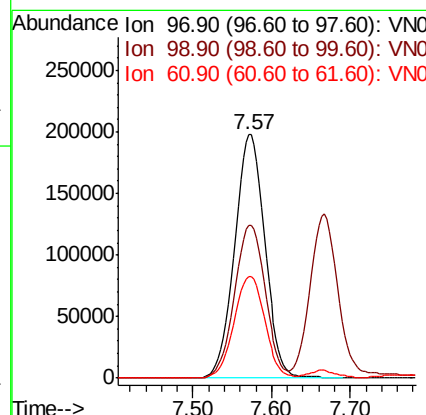
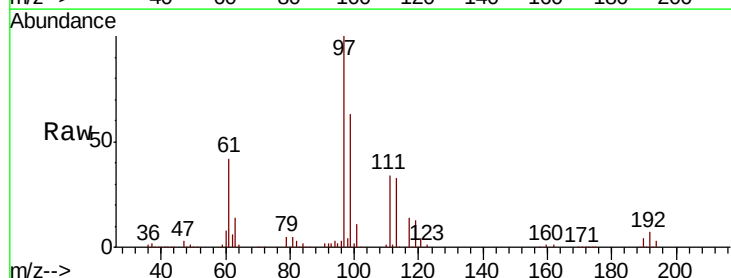
RT: 7.57 min Scan# 1803

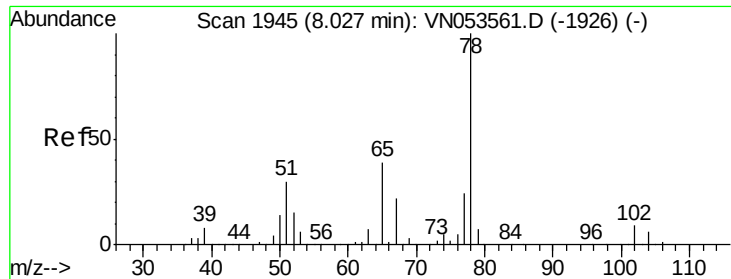
Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion:	97	Resp:	529089
Ion Ratio	Lower	Upper	
97	100		
99	63.9	52.0	78.0
61	42.5	34.4	51.6





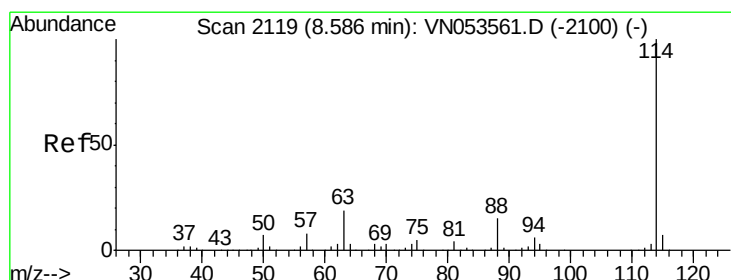
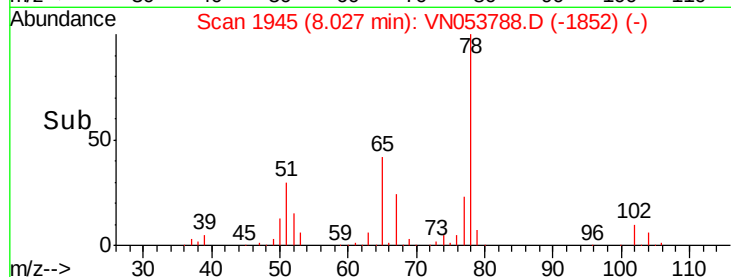
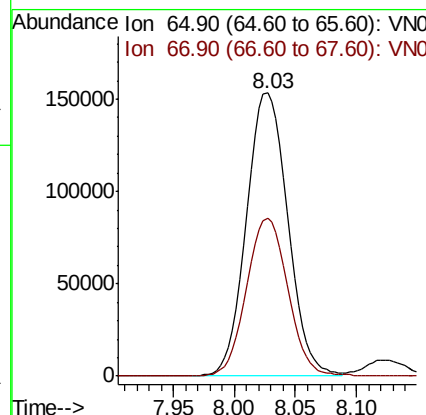
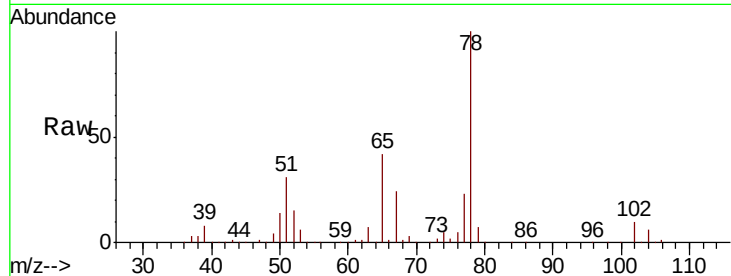
#33
 1,2-Dichloroethane-d4
 Concen: 50.782 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	360936		
67	55.8	0.0	111.2	

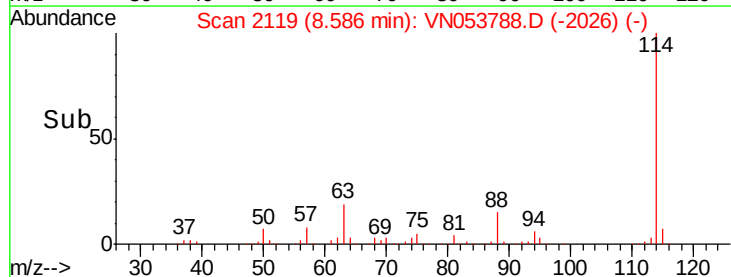
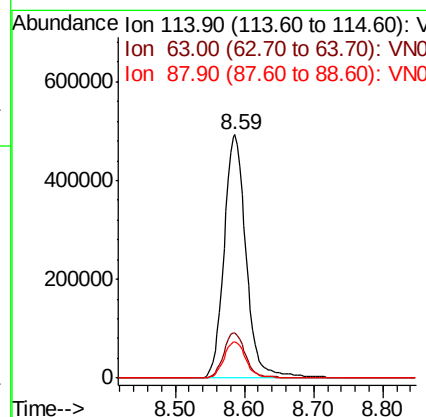
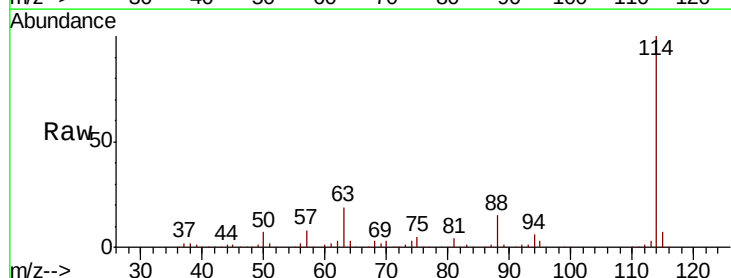
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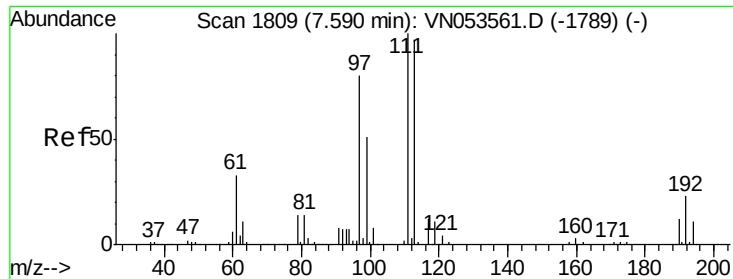
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1088661		
63	18.7	0.0	38.6	
88	14.9	0.0	30.4	





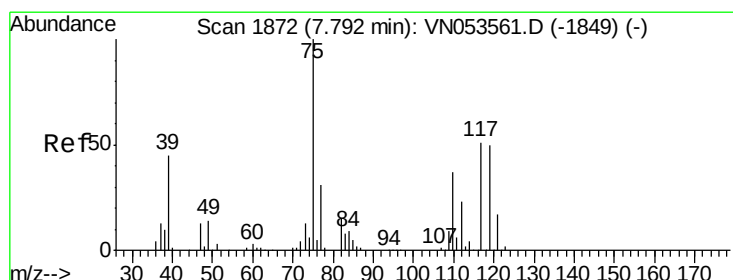
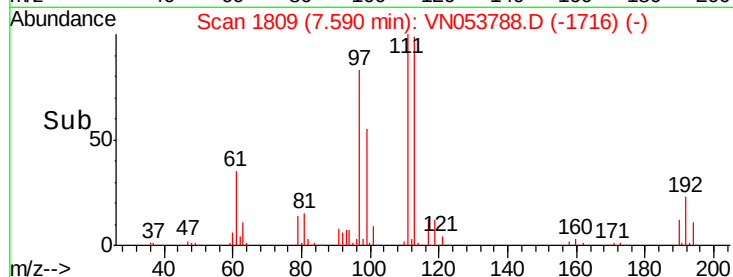
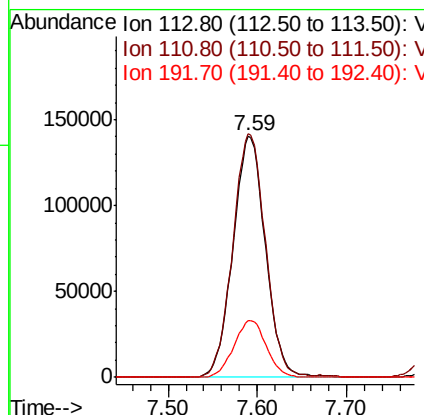
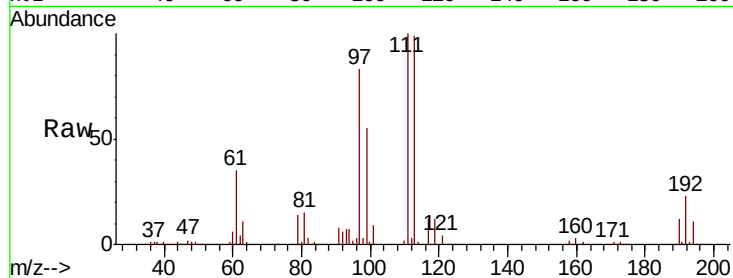
#35
Dibromofluoromethane
Concen: 51.395 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	353545		
111	101.5	81.1	121.7	
192	23.7	18.2	27.2	

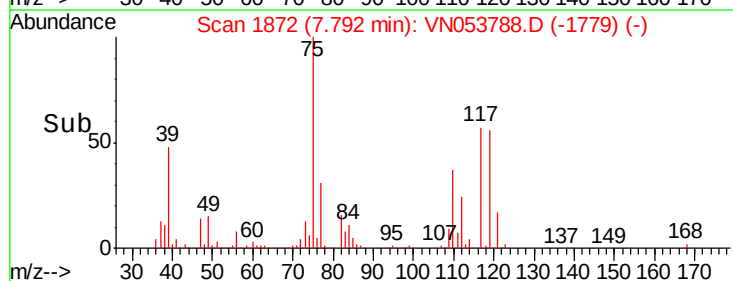
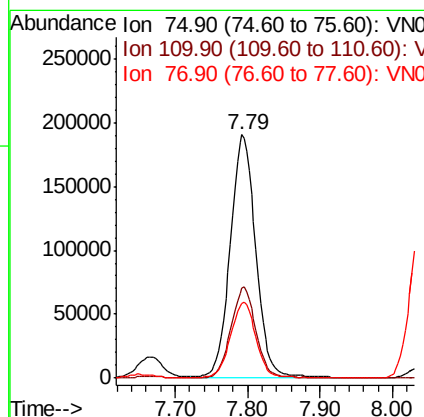
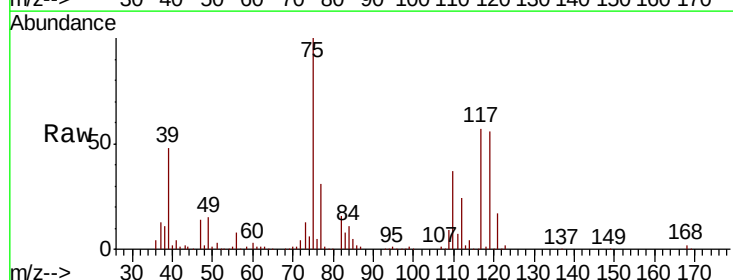
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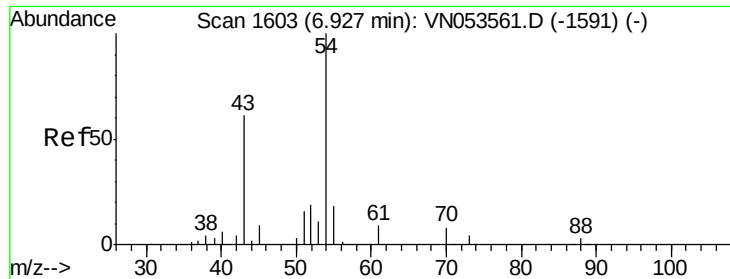
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#36
1,1-Dichloropropene
Concen: 47.433 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	465485		
110	36.8	18.1	54.3	
77	31.6	25.1	37.7	





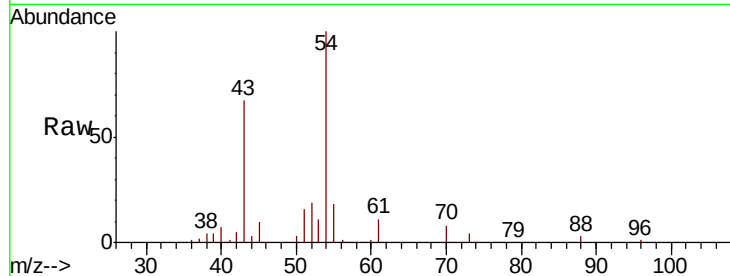
#37
Ethyl Acetate
Concen: 50.839 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	11.0	8.6	12.8

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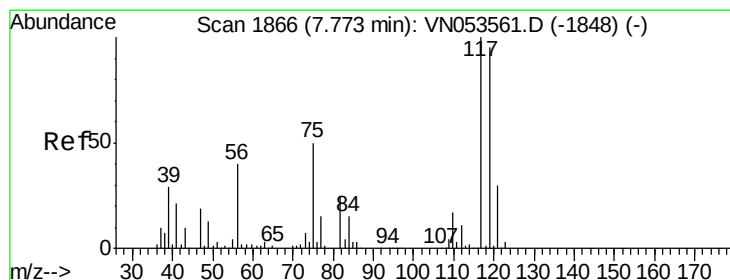
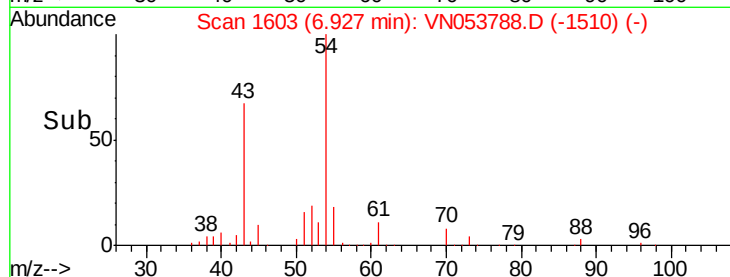
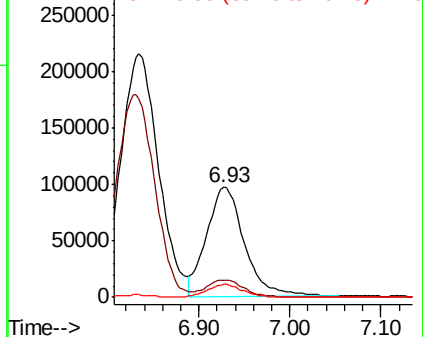


Abundance

Ion 43.00 (42.70 to 43.70): VN053561.D (-1591) (-)

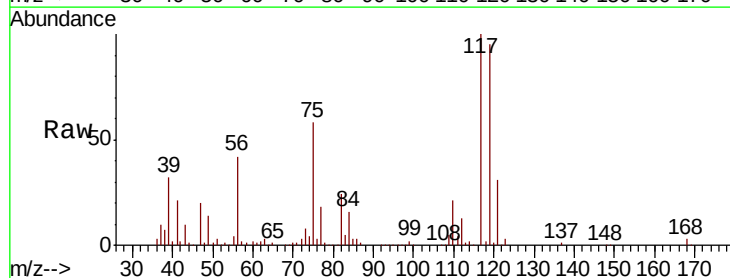
Ion 60.90 (60.60 to 61.60): VN053561.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN053561.D (-1591) (-)



#38
Carbon Tetrachloride
Concen: 47.613 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.2	115.8
121	30.9	24.6	37.0

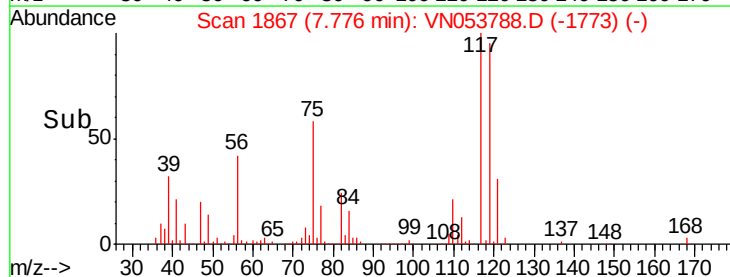
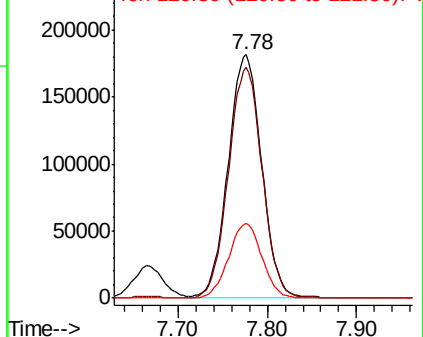


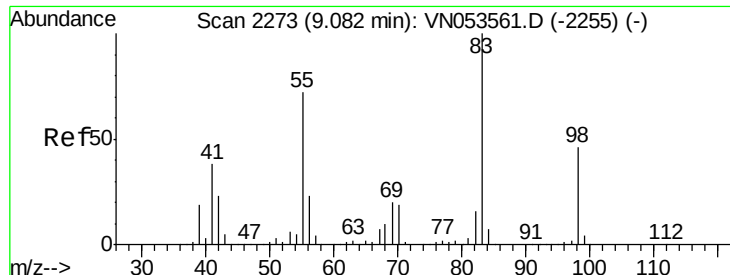
Abundance

Ion 116.80 (116.50 to 117.50): VN053561.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN053561.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN053561.D (-1848) (-)





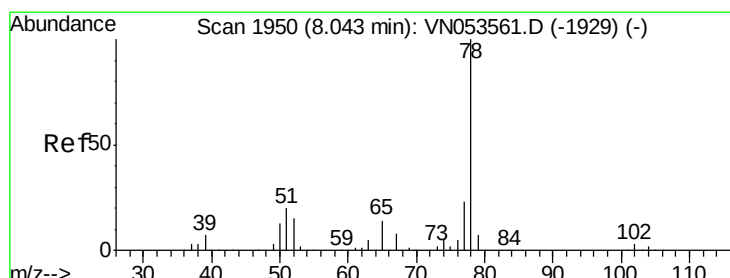
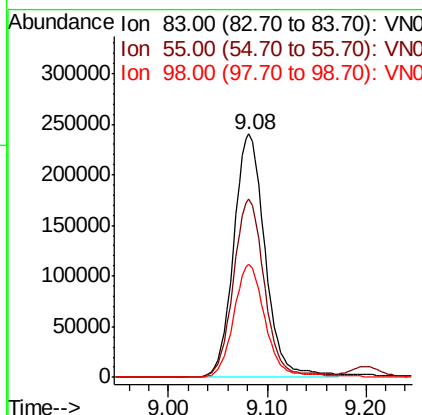
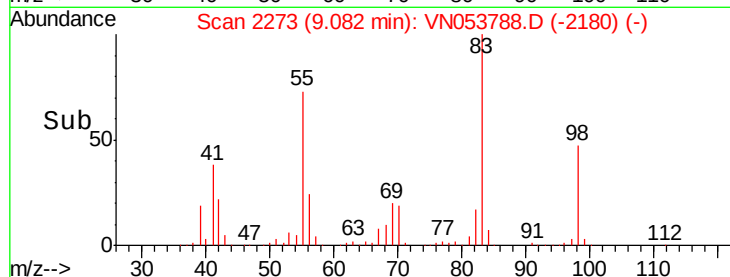
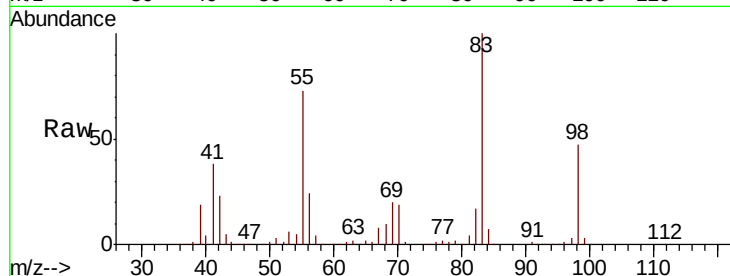
#39
Methylvlcyclohexane
Concen: 45.715 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	60.1	90.1
98	46.5	36.6	55.0

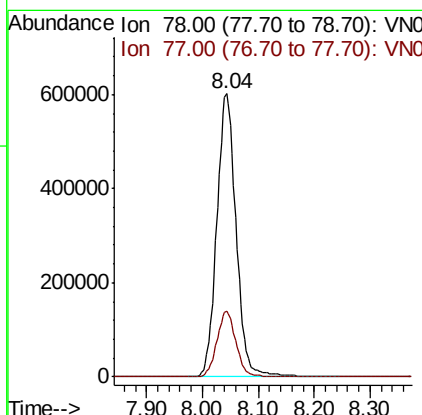
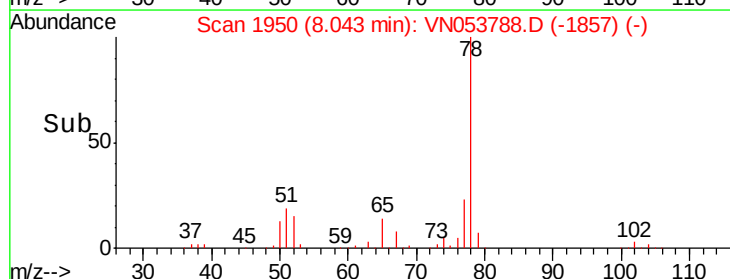
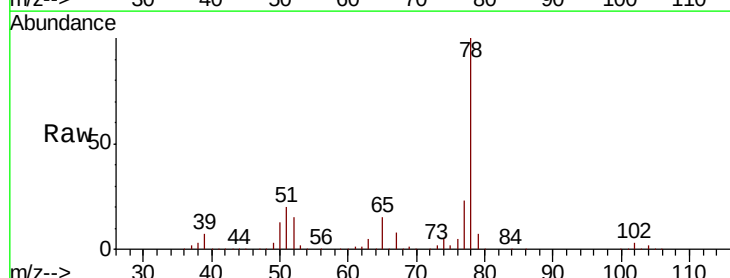
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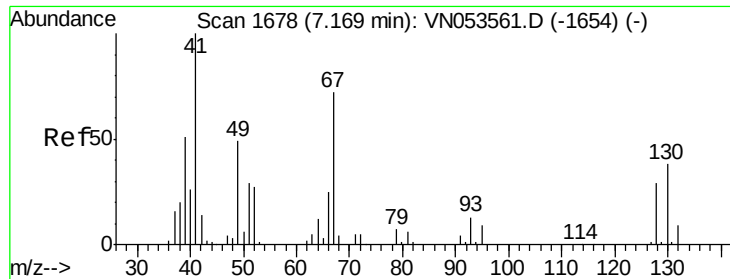
MMDadoda
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#40
Benzene
Concen: 47.856 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





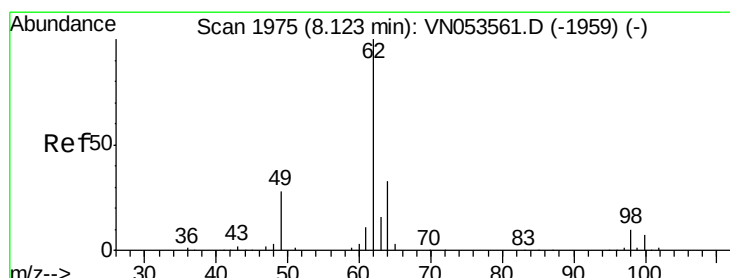
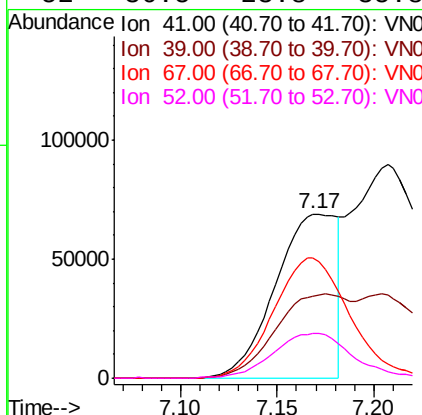
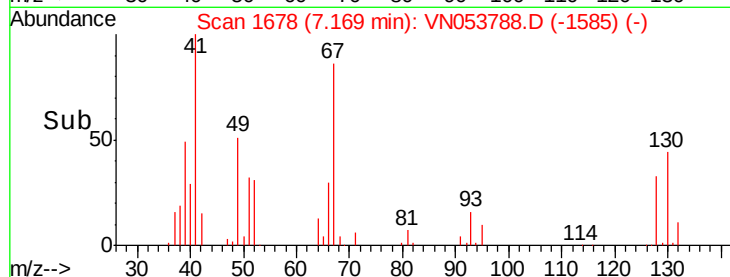
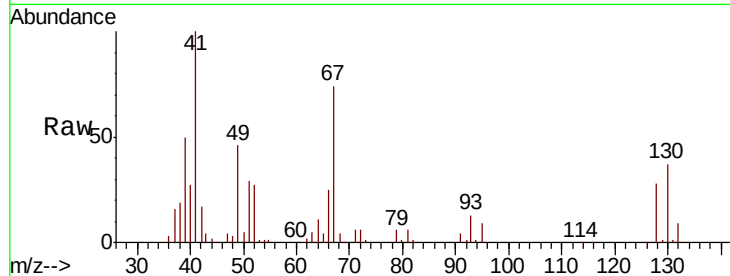
#41
Methacrylonitrile
Concen: 49.763 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.1	46.8	70.2
67	91.1	63.0	94.6
52	36.5	23.8	35.8#

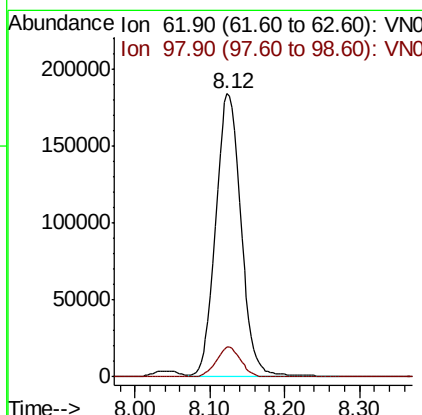
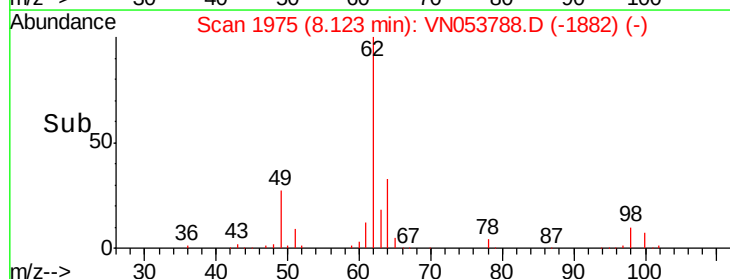
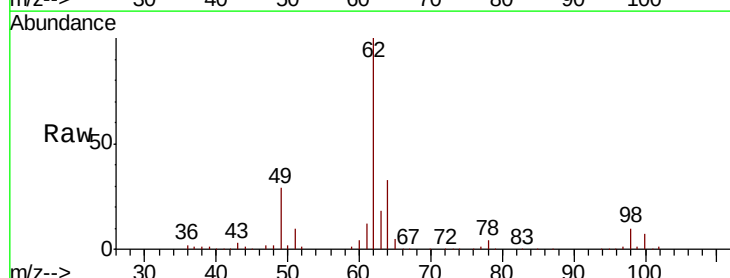
Manual Integrations
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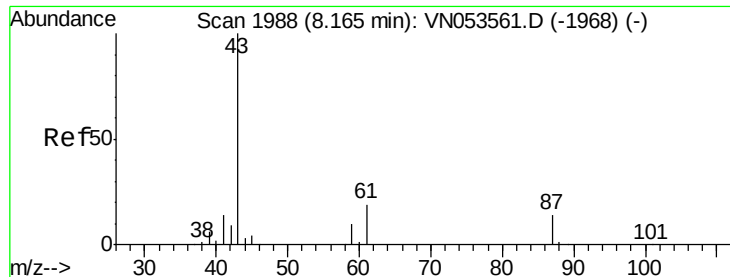
MMDadoda
2/15/2019 10:19:58 AM



#42
1,2-Dichloroethane
Concen: 48.054 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6





#43

Isopropyl Acetate

Concen: 48.083 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

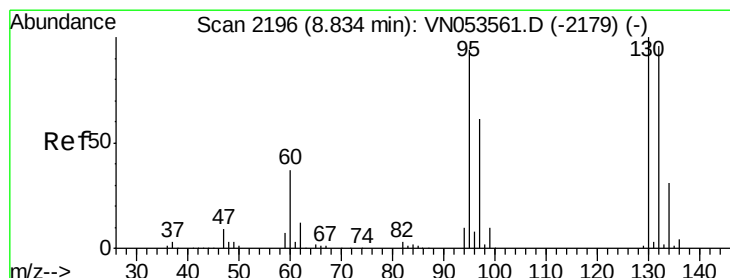
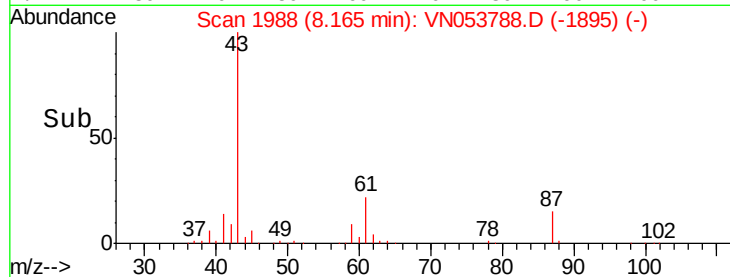
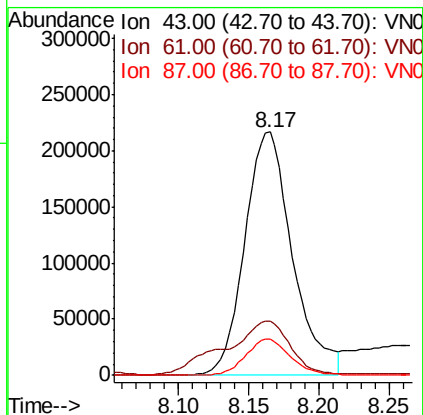
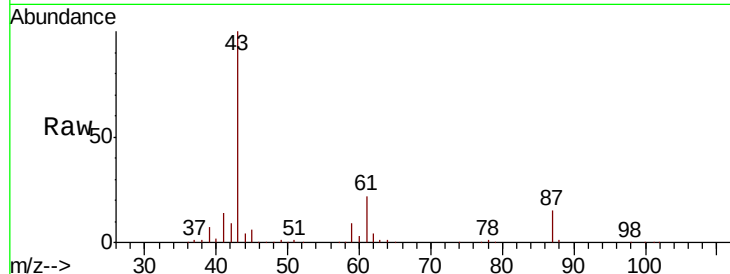
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	508948
Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.9	35.9
87	14.1	11.0	16.6

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MMDadoda
2/15/2019 10:19:58 AM



#44

Trichloroethene

Concen: 46.756 ug/l

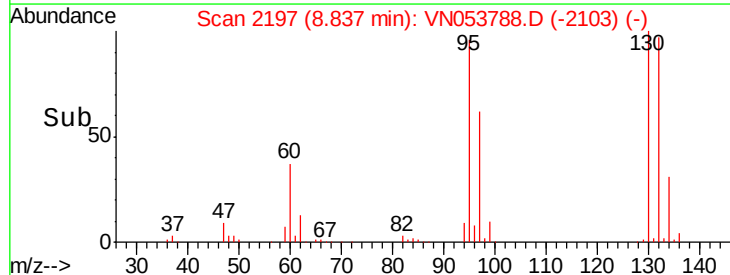
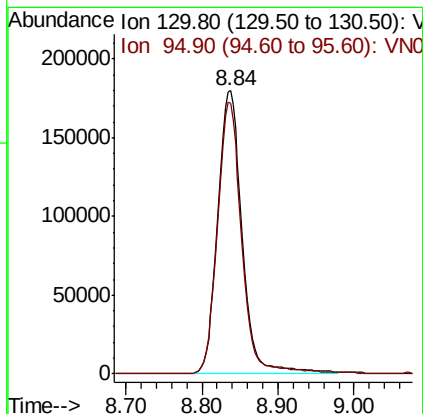
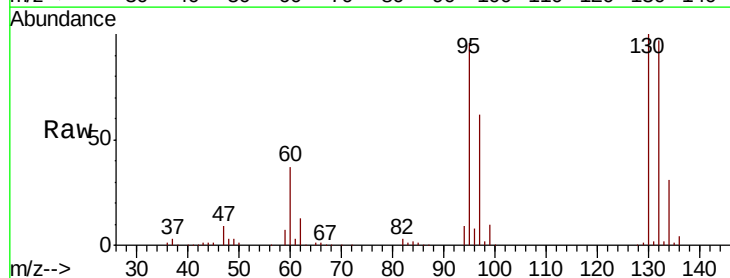
RT: 8.84 min Scan# 2197

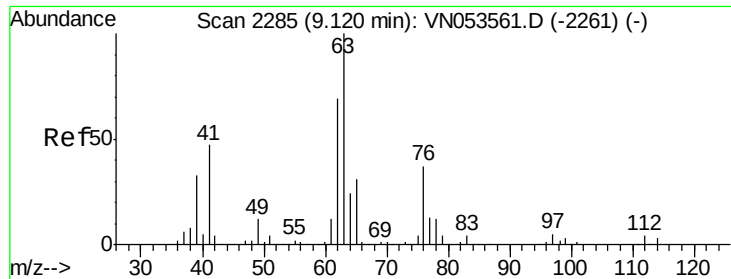
Delta R.T. 0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion:	130	Resp:	402832
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	191.4





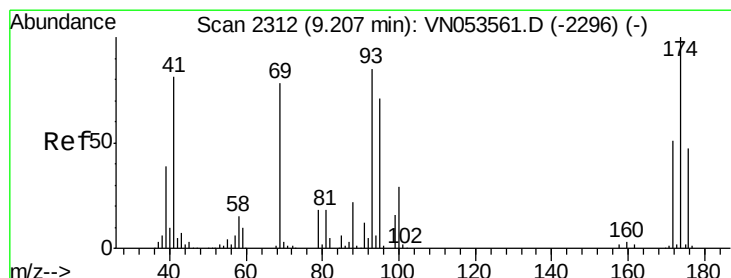
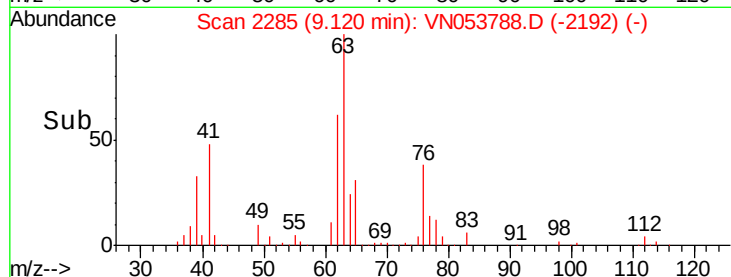
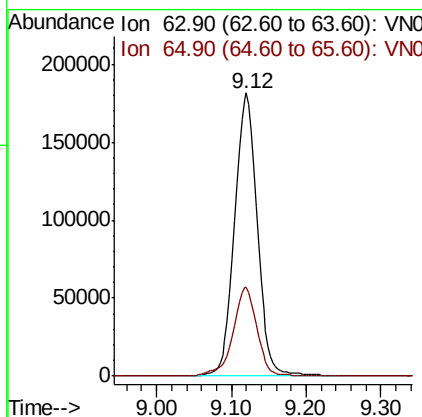
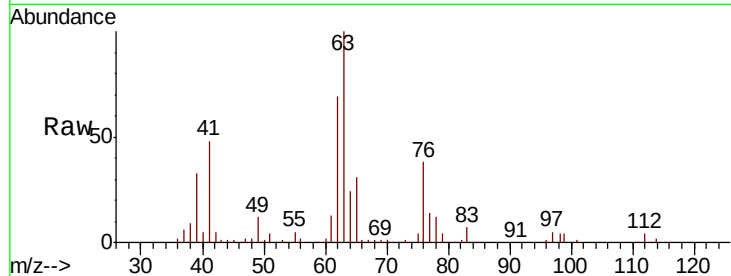
#45
 1,2-Dichloropropane
 Concen: 49.711 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.4

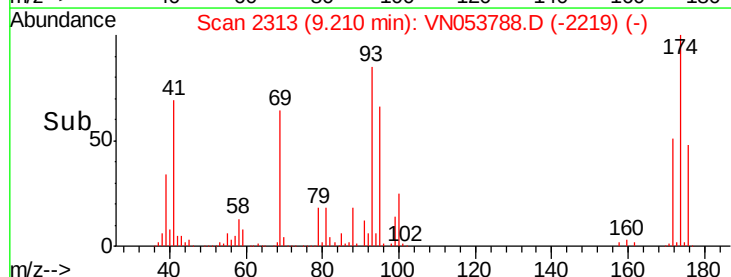
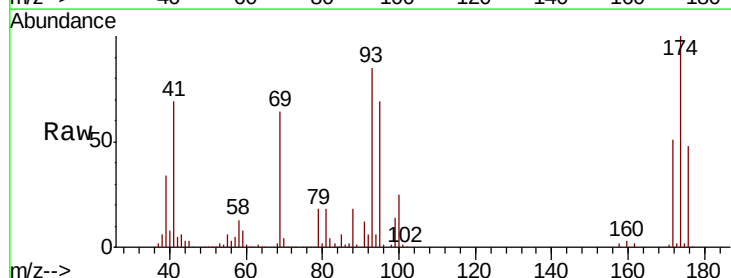
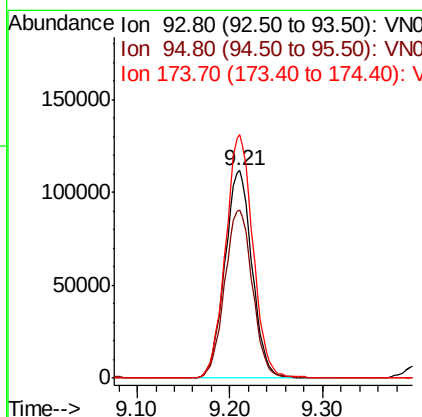
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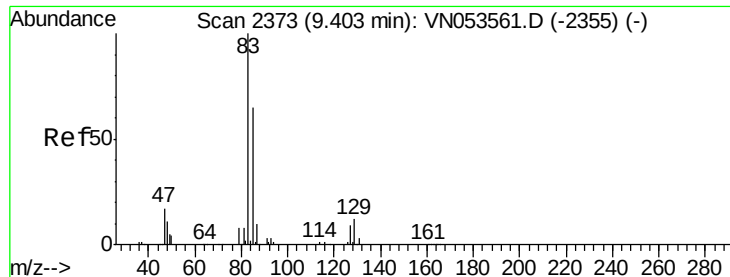
MMDadoda
 2/15/2019 10:19:58 AM



#46
 Dibromomethane
 Concen: 48.980 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	67.3	100.9
174	117.9	91.0	136.4





#47

Bromodichloromethane

Concen: 49.842 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

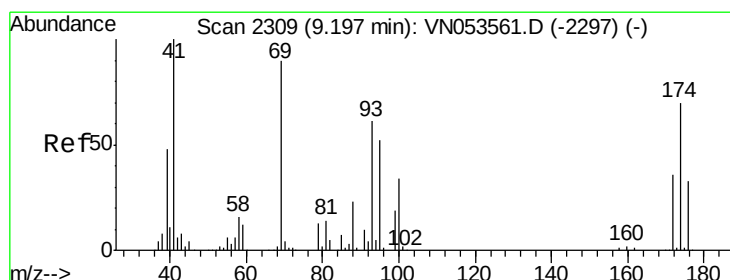
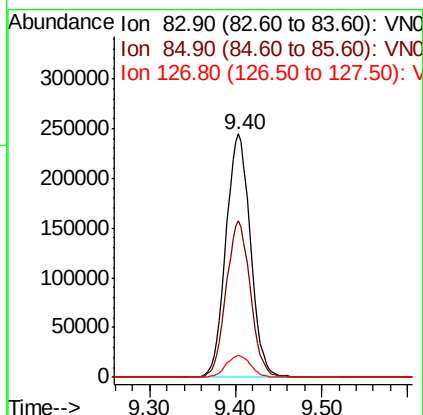
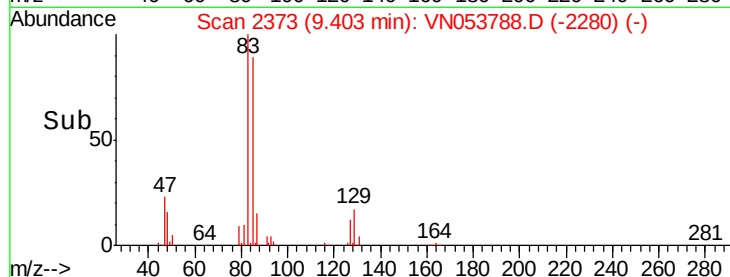
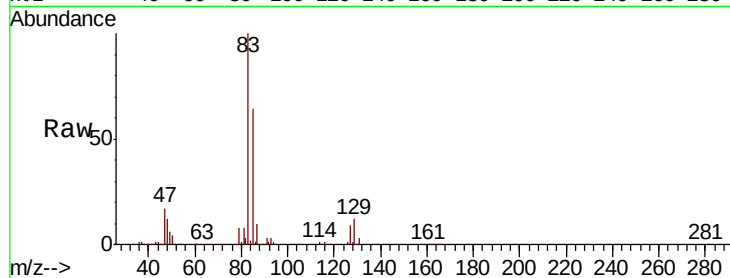
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	483544
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.0	76.6
127	8.9	7.0	10.6

Manual Integrations
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MMDadoda
2/15/2019 10:19:58 AM



#48

Methyl methacrylate

Concen: 46.304 ug/l m

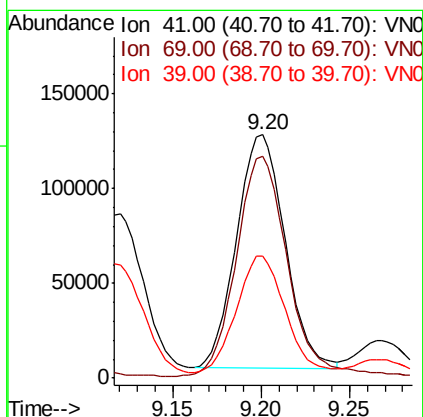
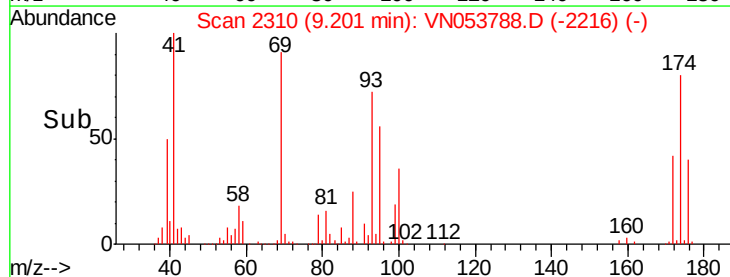
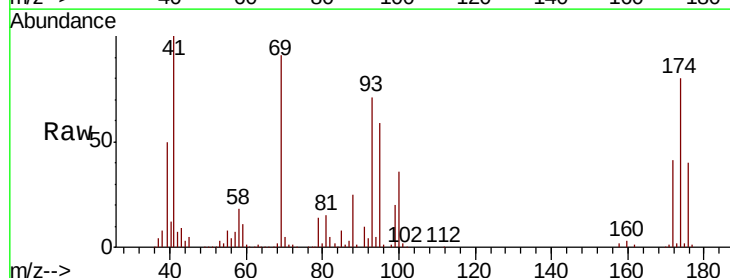
RT: 9.20 min Scan# 2310

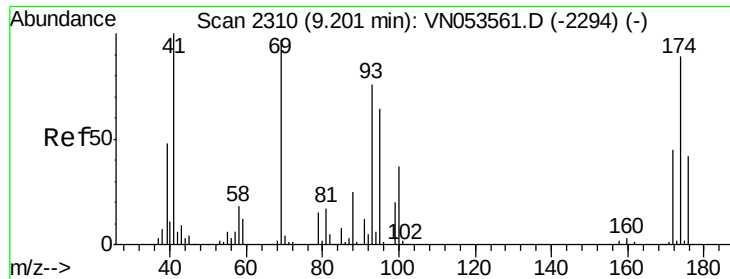
Delta R.T. 0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion:	41	Resp:	233958
Ion Ratio	Lower	Upper	
41	100		
69	103.0	73.8	110.6
39	55.4	40.0	60.0





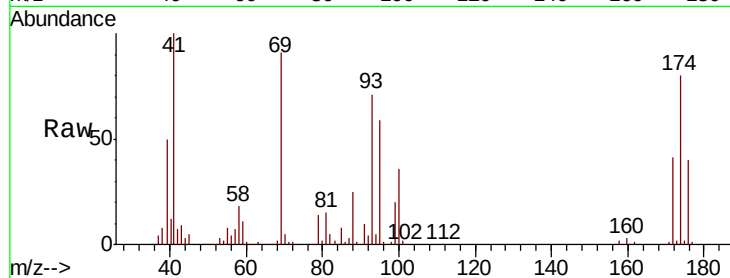
#49
1,4-Dioxane
Concen: 924.923 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	67492
Ion Ratio	Lower	Upper	
88	100		
43	30.1	27.8	41.6
58	72.2	56.5	84.7

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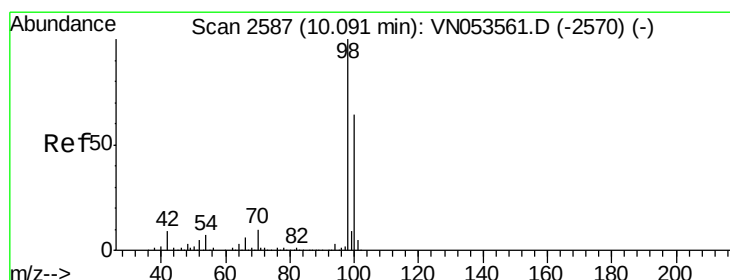
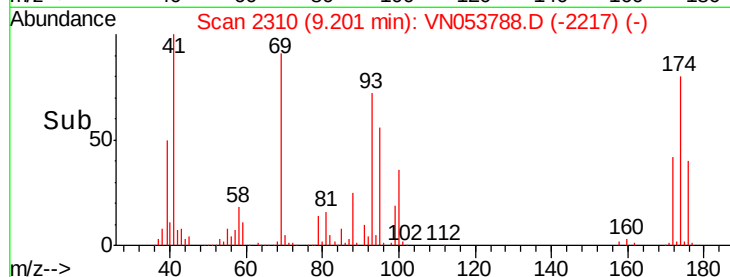
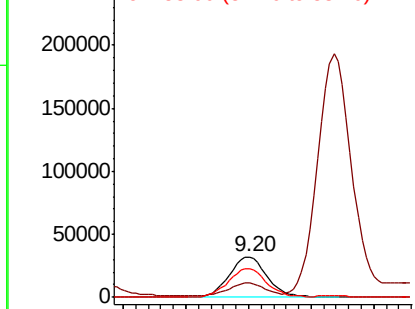


Abundance

Ion 88.00 (87.70 to 88.70): VN0

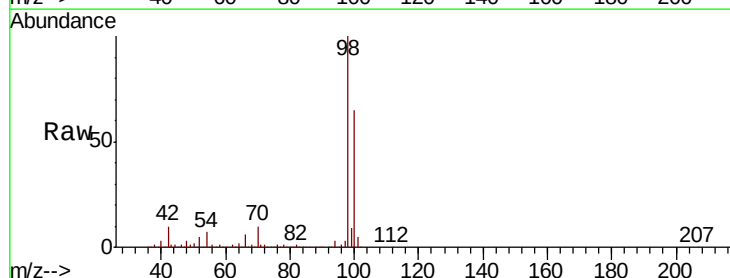
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 49.558 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

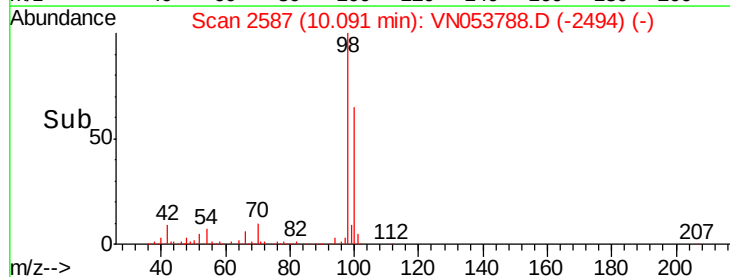
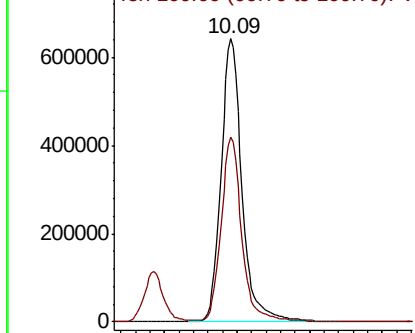
Tgt Ion	98	Resp	1280048
Ion Ratio	Lower	Upper	
98	100		
100	64.7	51.4	77.0

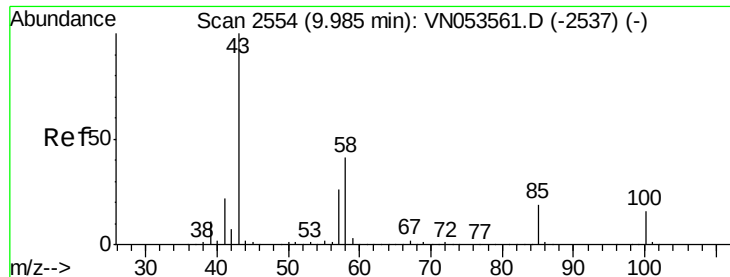


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 261.012 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1357635

Ion Ratio Lower Upper

43 100

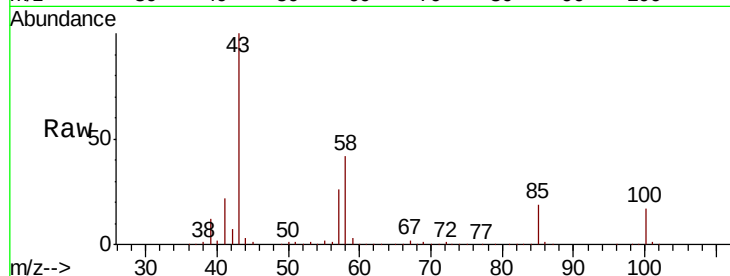
58 41.2 32.8 49.2

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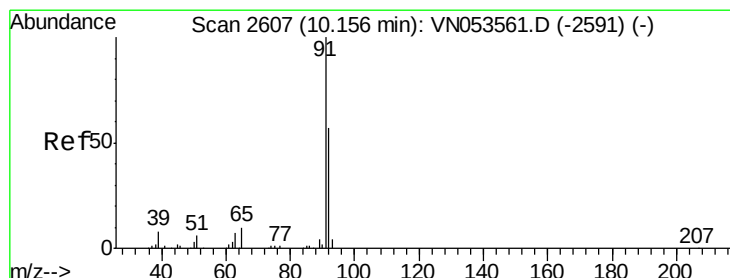
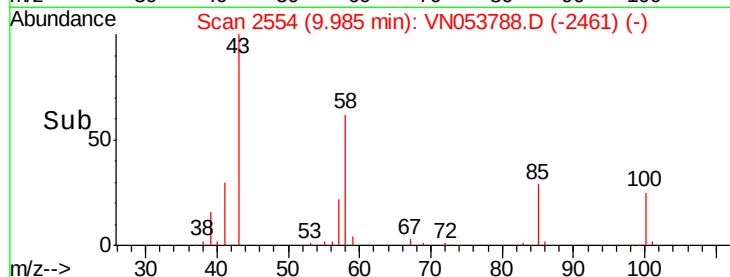
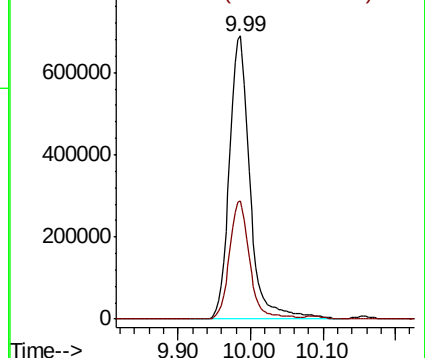
MMDadoda

2/15/2019 10:19:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.985 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053788.D

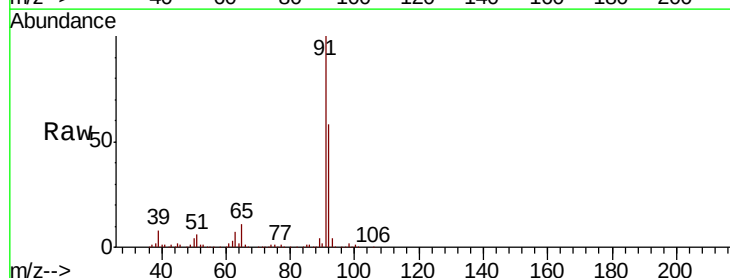
Acq: 14 Feb 2019 19:09

Tgt Ion: 92 Resp: 879798

Ion Ratio Lower Upper

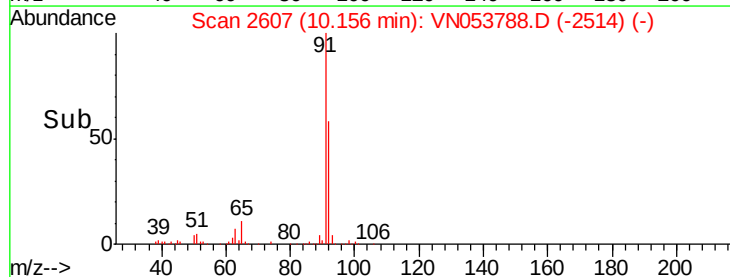
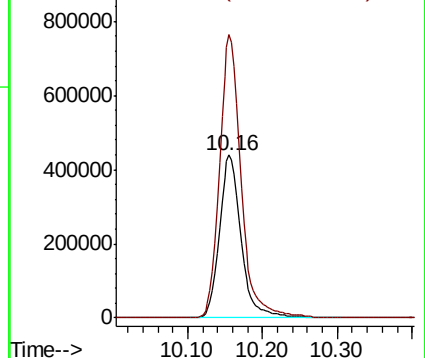
92 100

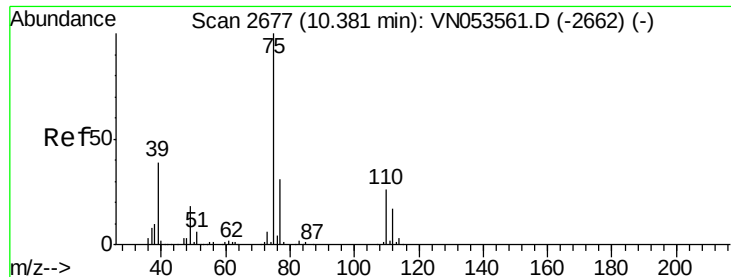
91 173.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





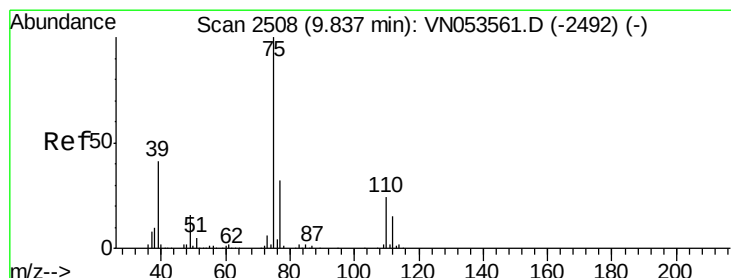
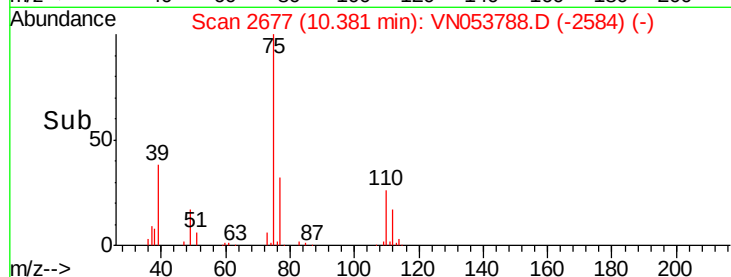
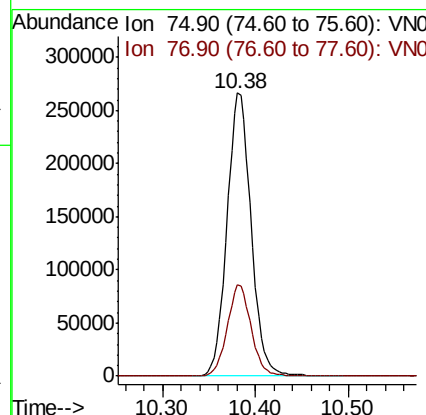
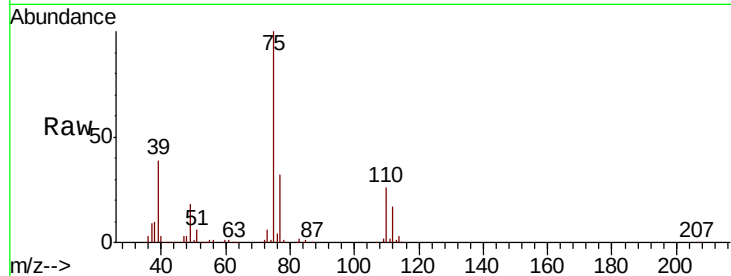
#53
t-1,3-Dichloropropene
Concen: 49.393 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.5	38.3

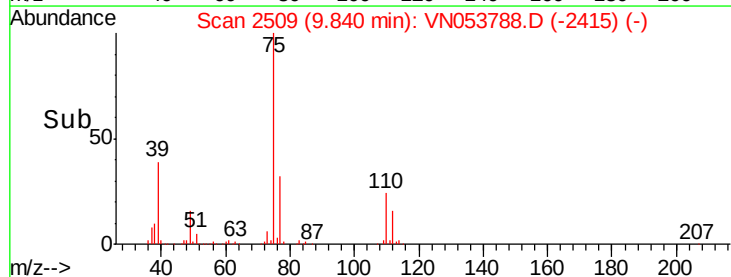
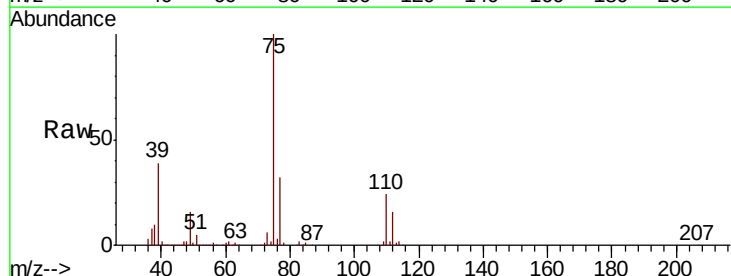
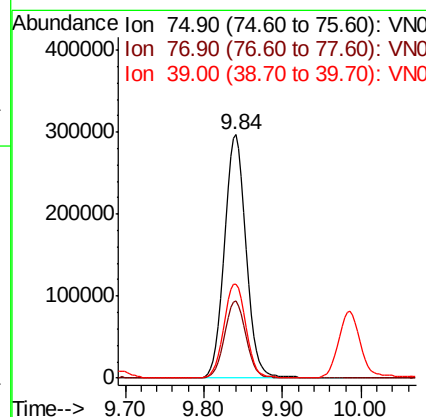
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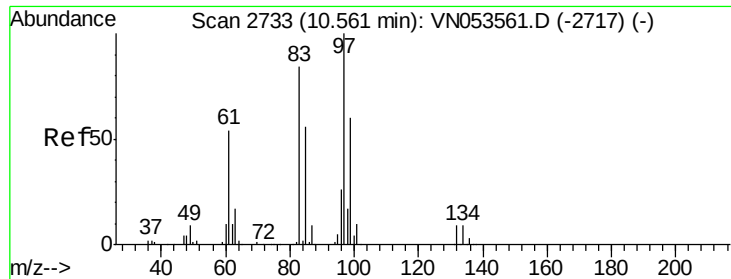
MMDadoda
2/15/2019 10:19:58 AM



#54
cis-1,3-Dichloropropene
Concen: 48.852 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6
39	38.7	33.4	50.0





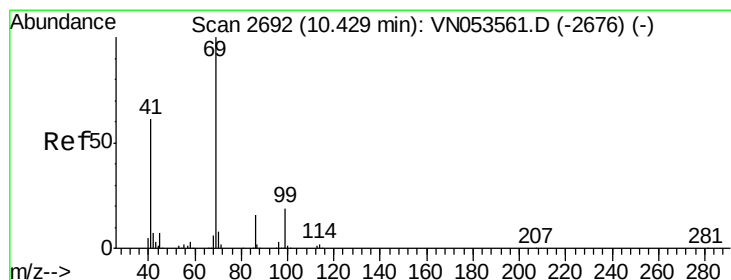
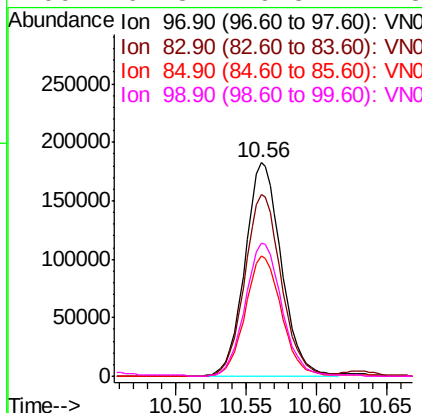
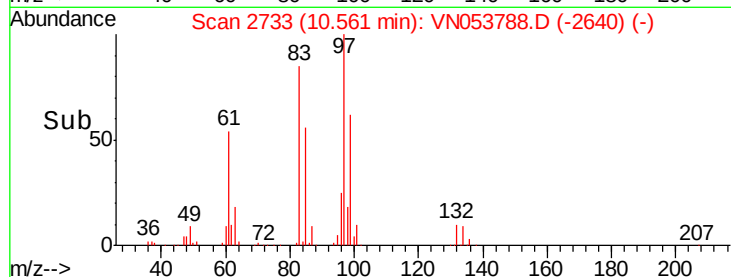
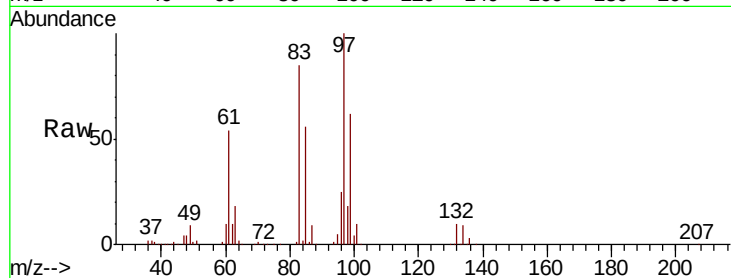
#55
 1,1,2-Trichloroethane
 Concen: 50.821 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		328915		
83	85.3	70.1	105.1		
85	56.1	45.4	68.0		
99	61.8	49.8	74.8		

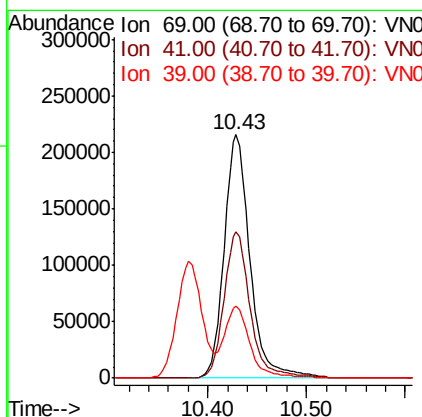
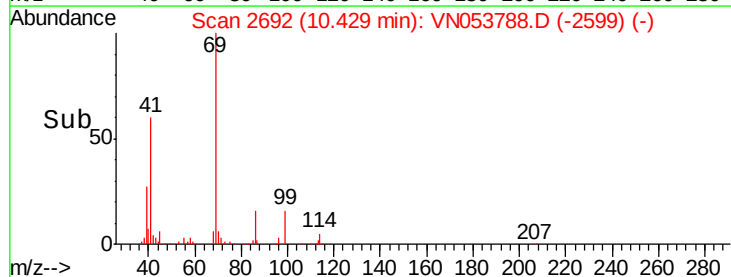
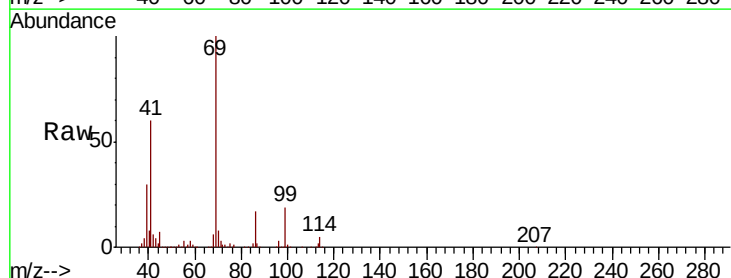
Manual Integrations
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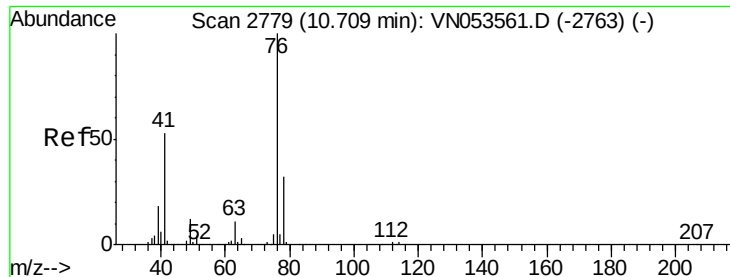
MMDadoda
 2/15/2019 10:19:58 AM



#56
 Ethyl methacrylate
 Concen: 51.778 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		396433		
41	60.8	49.4	74.0		
39	29.5	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 49.872 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 551636

Ion Ratio Lower Upper

76 100

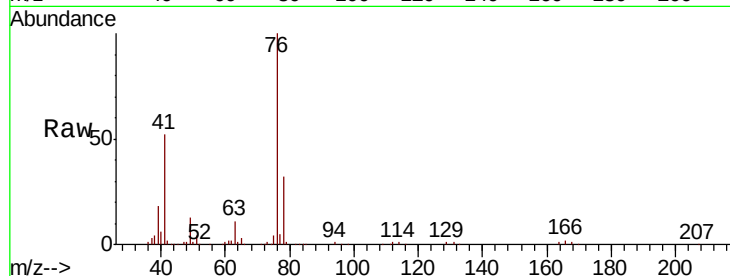
78 31.7 25.6 38.4

Manual Integrations

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MMDadoda

2/15/2019 10:19:58 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

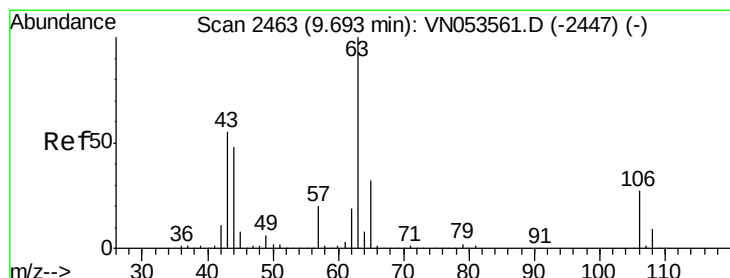
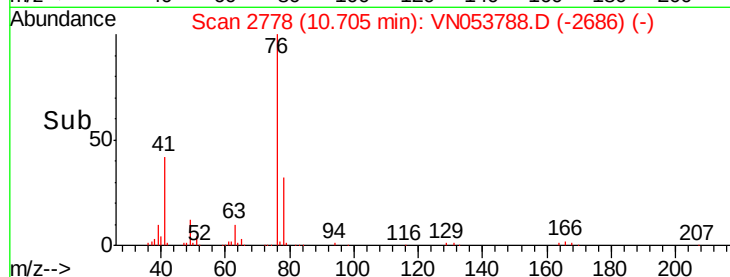
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 196.449 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053788.D

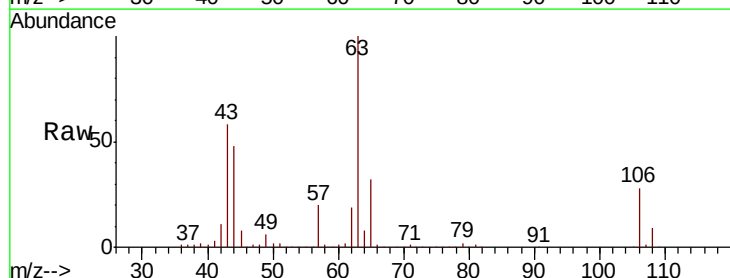
Acq: 14 Feb 2019 19:09

Tgt Ion: 63 Resp: 924381

Ion Ratio Lower Upper

63 100

106 27.6 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

600000

500000

400000

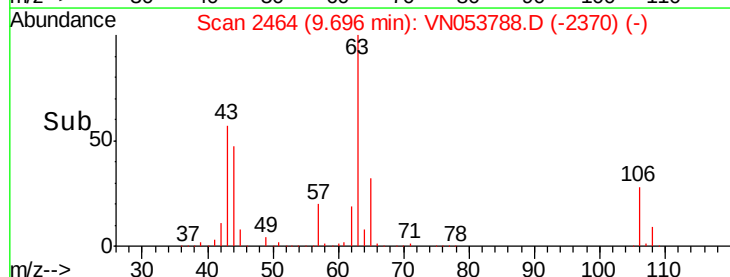
300000

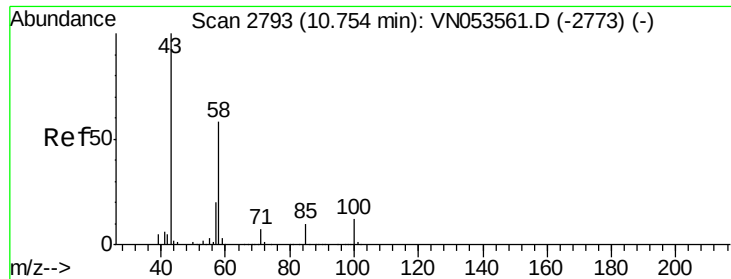
200000

100000

0

Time-->





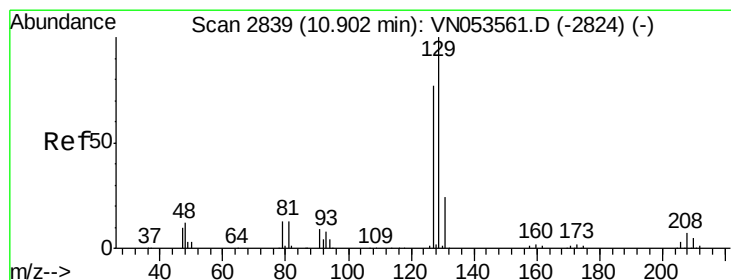
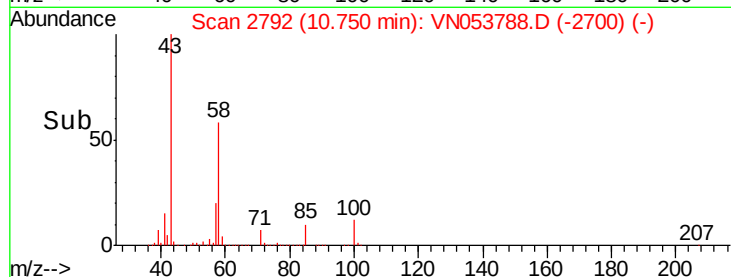
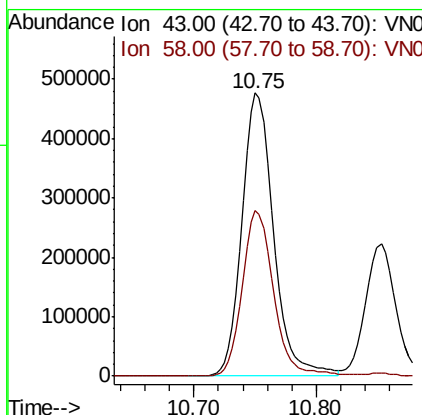
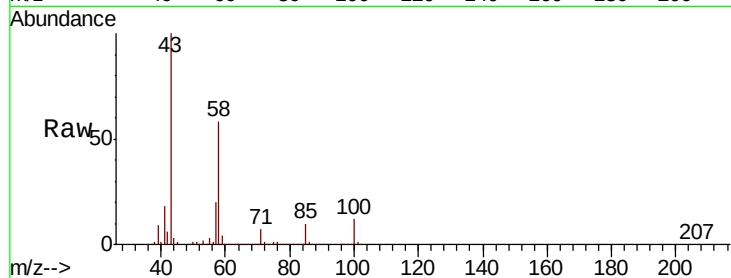
#59
2-Hexanone
Concen: 240.212 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 848210
Ion Ratio Lower Upper
43 100
58 58.2 28.6 85.8

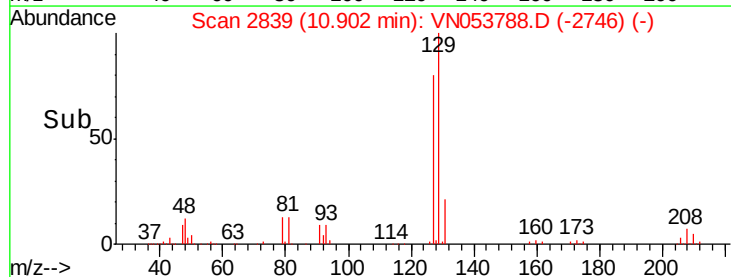
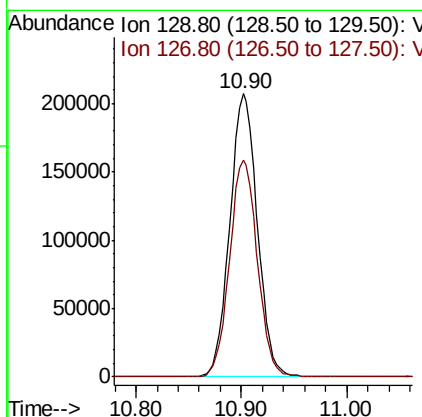
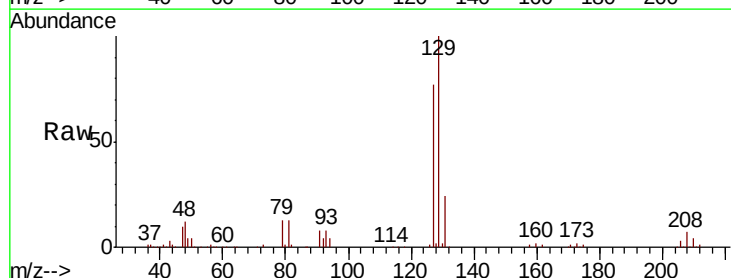
Manual Integrations
APPROVED

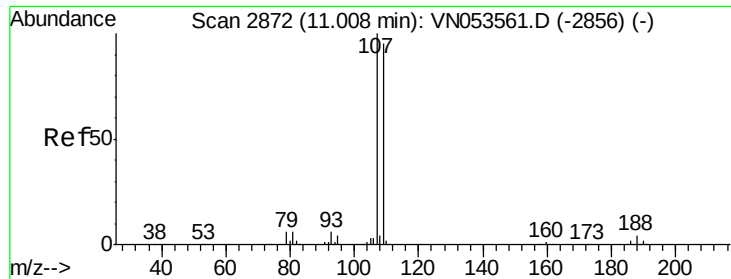
MMDadoda
2/15/2019 10:19:58 AM



#60
Dibromochloromethane
Concen: 51.236 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion: 129 Resp: 373933
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





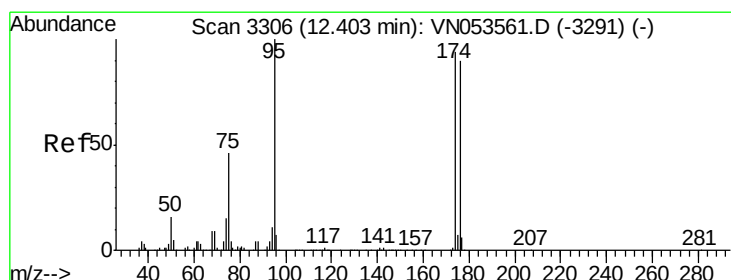
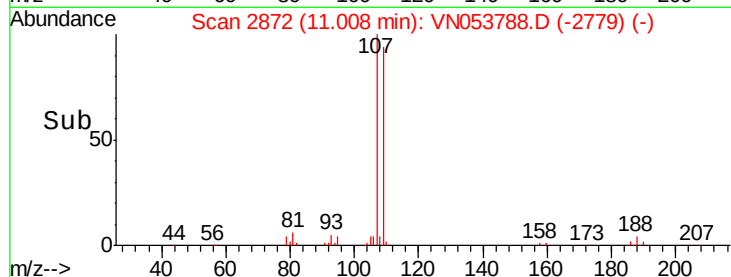
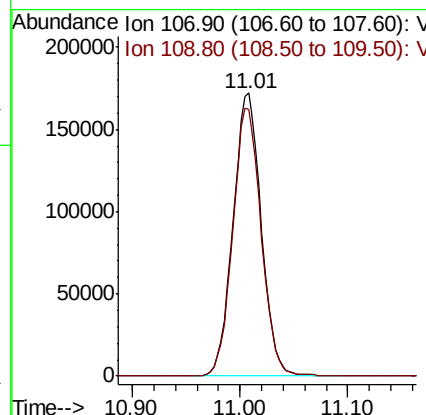
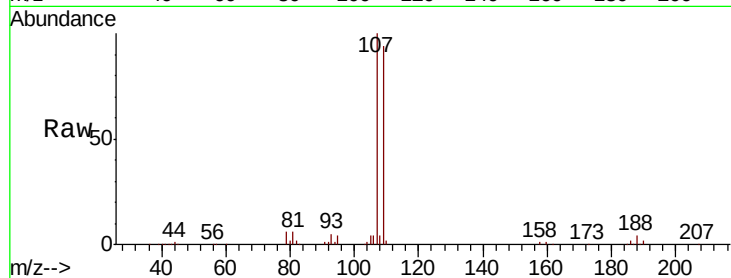
#61
 1,2-Dibromoethane
 Concen: 48.859 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.7	113.5

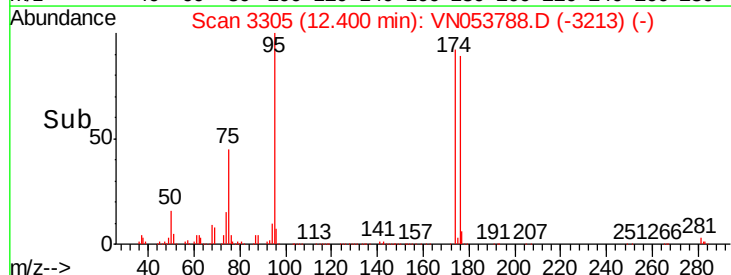
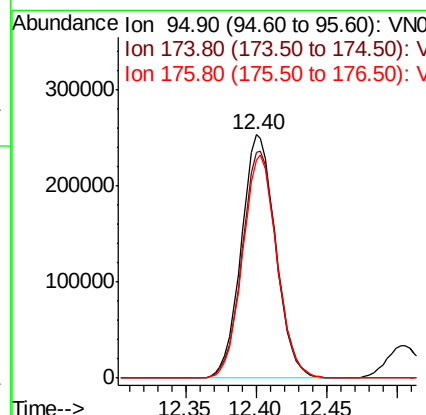
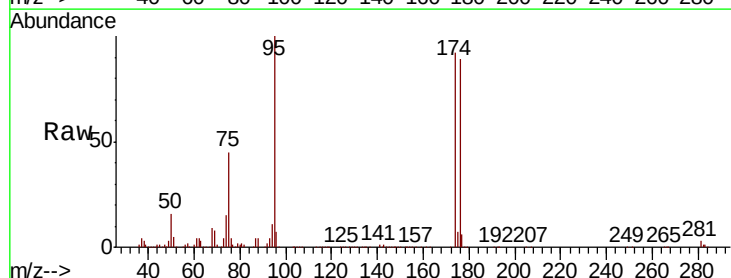
Manual Integrations
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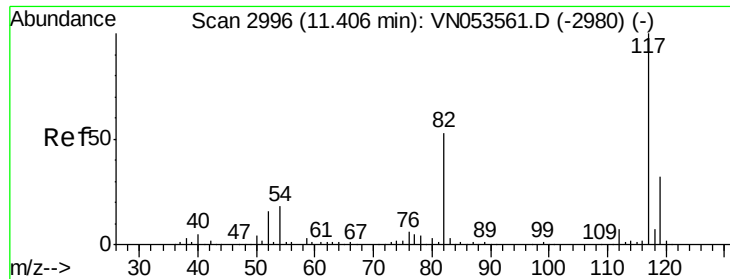
MMDadoda
 2/15/2019 10:19:58 AM



#62
 4-Bromofluorobenzene
 Concen: 49.976 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	183.2
176	91.4	0.0	177.4





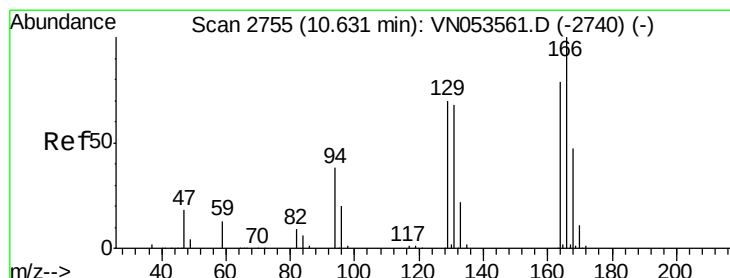
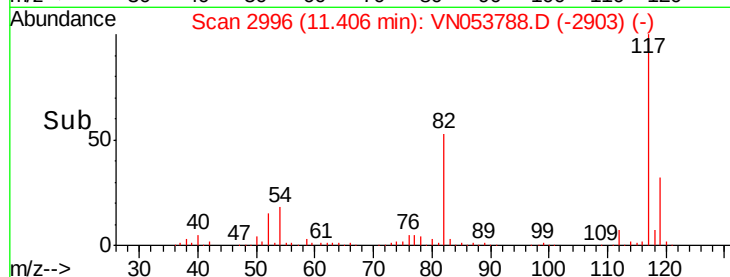
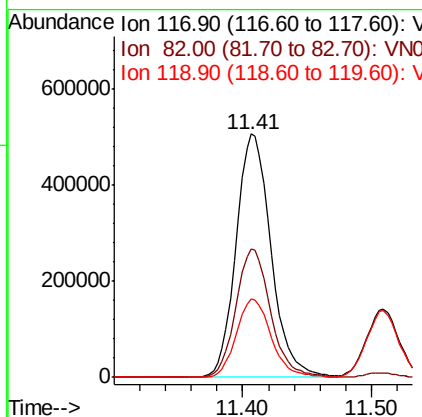
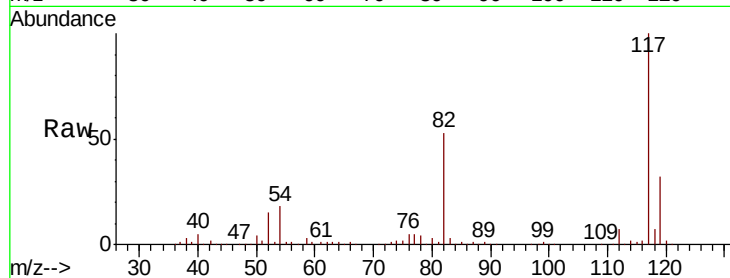
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.9	64.3
119	32.2	26.0	39.0

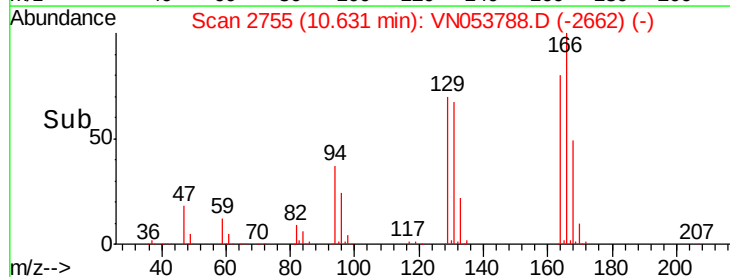
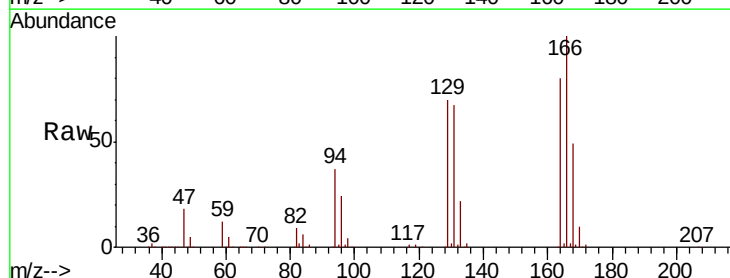
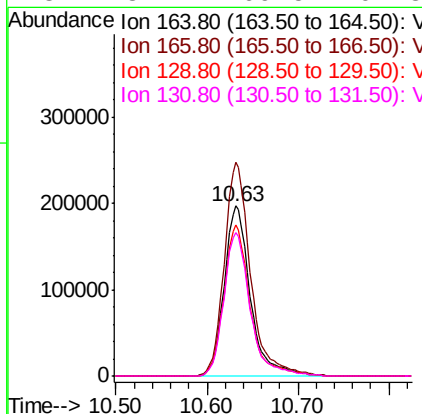
Manual Integrations
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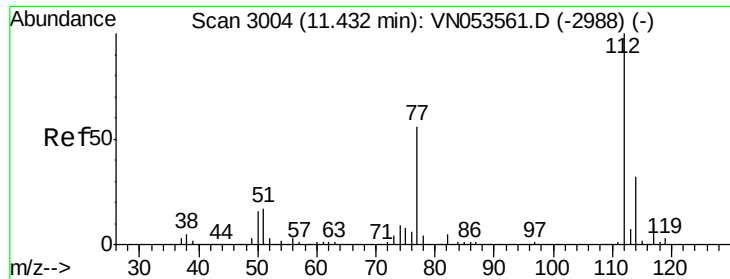
MMDadoda
2/15/2019 10:19:58 AM



#64
Tetrachloroethene
Concen: 48.010 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.2	153.4
129	88.4	72.6	109.0
131	84.4	69.5	104.3





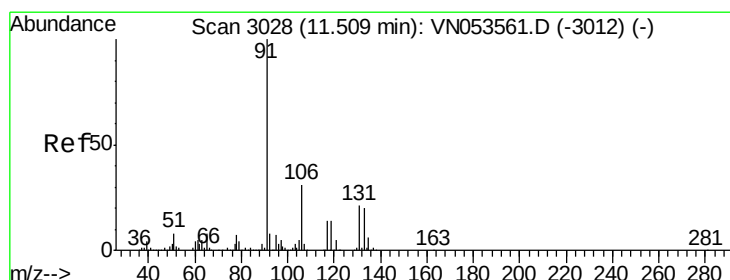
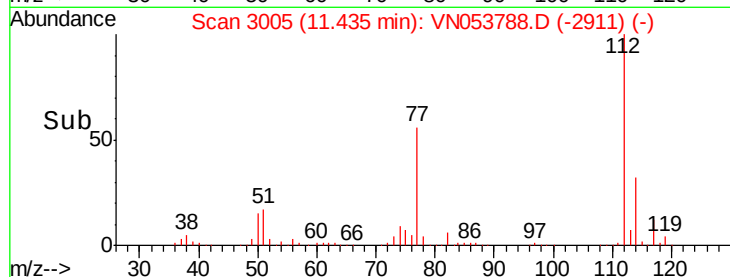
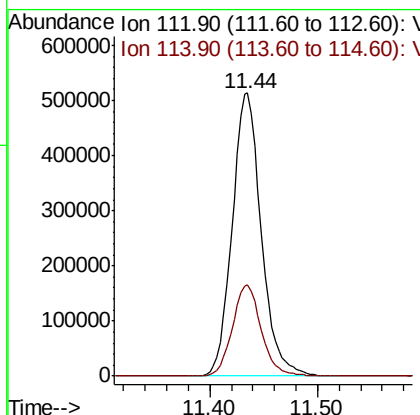
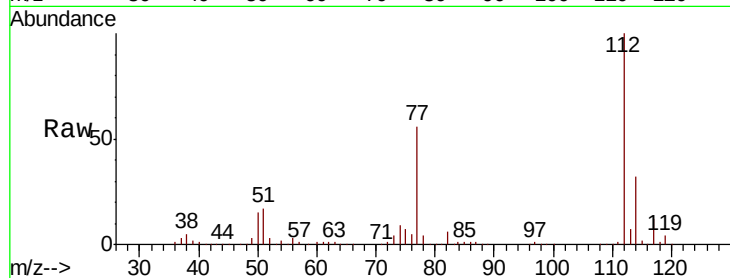
#65
Chlorobenzene
Concen: 47.577 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 963759
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

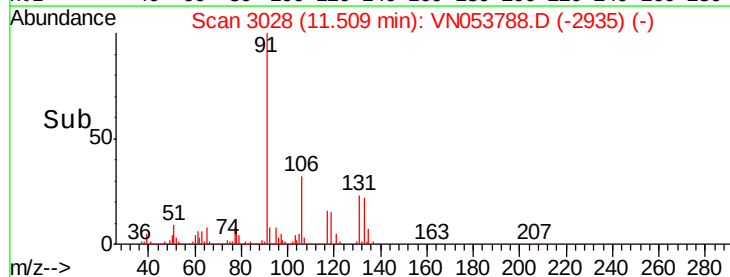
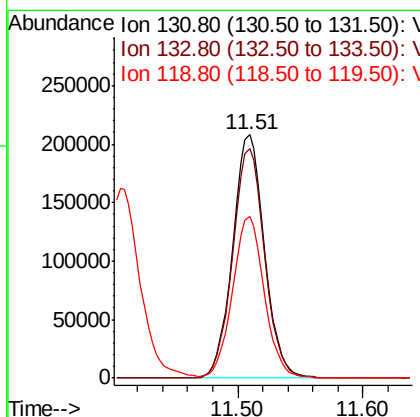
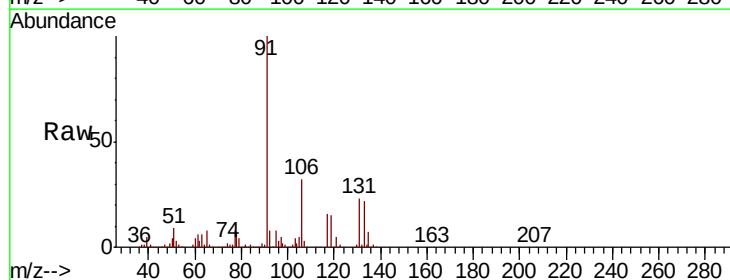
Manual Integrations
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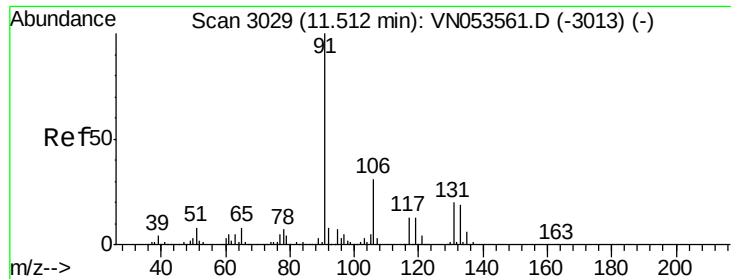
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.628 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion:131 Resp: 365242
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.0
119 66.5 33.5 100.5





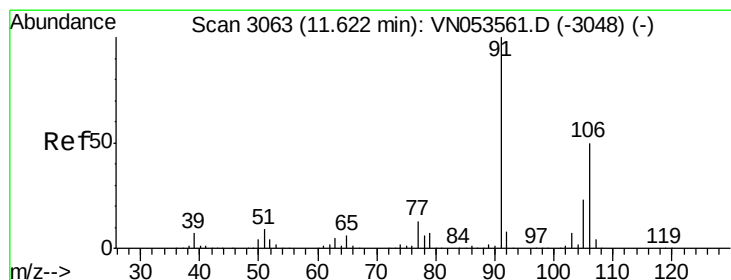
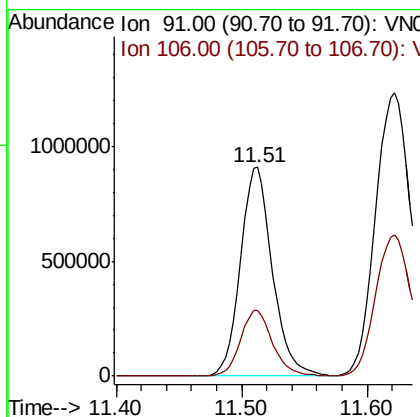
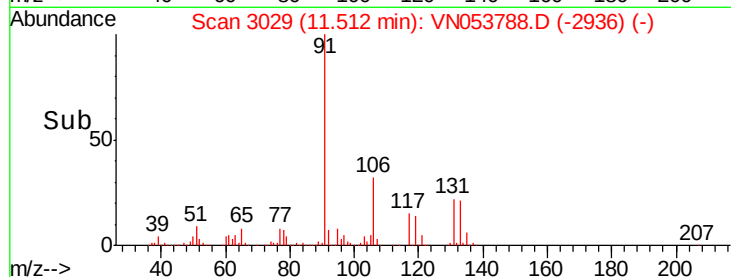
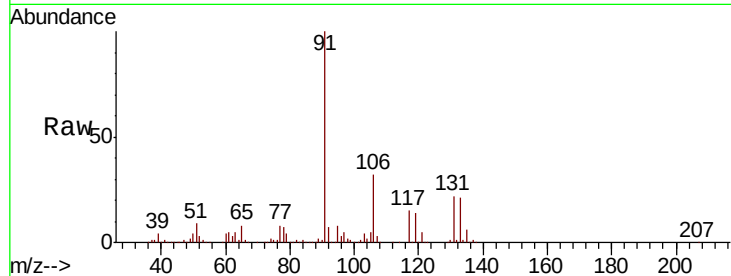
#67
Ethyl Benzene
Concen: 48.410 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 1610870
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6

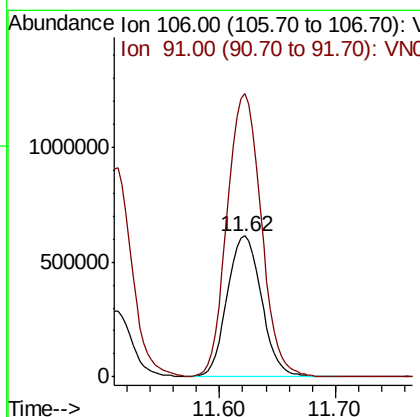
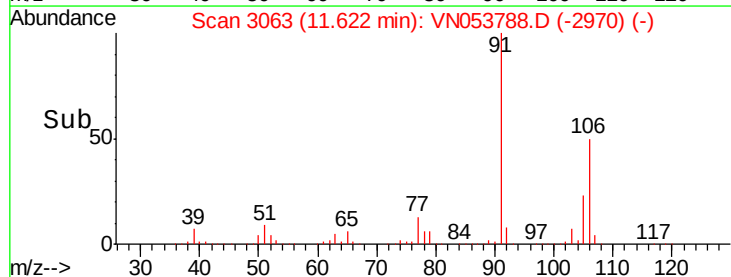
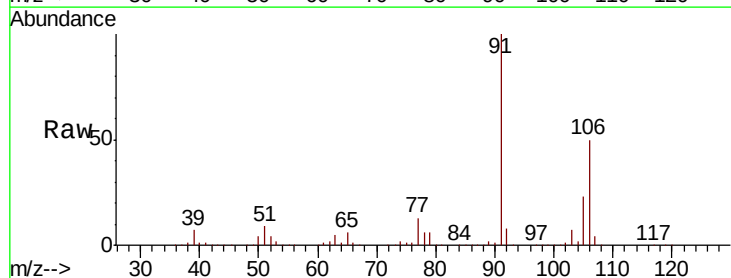
Manual Integrations
APPROVED

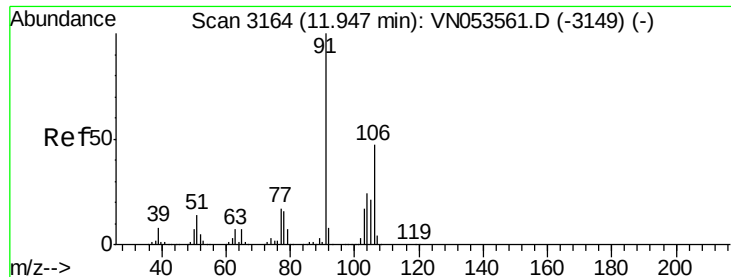
MMDadoda
2/15/2019 10:19:58 AM



#68
m/p-Xylenes
Concen: 98.846 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion: 106 Resp: 1255356
Ion Ratio Lower Upper
106 100
91 200.2 161.4 242.2





#69

o-Xylene

Concen: 50.234 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:106 Resp: 616345

Ion Ratio Lower Upper

106 100

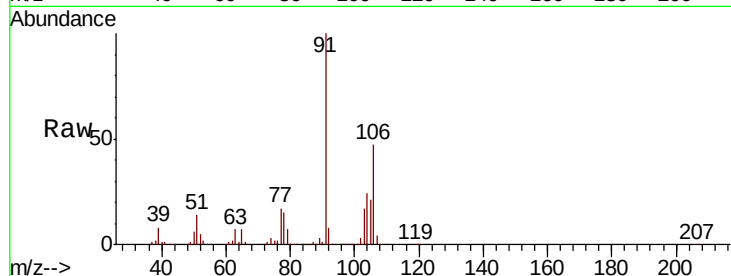
91 210.2 106.9 320.8

Manual Integrations

APPROVED

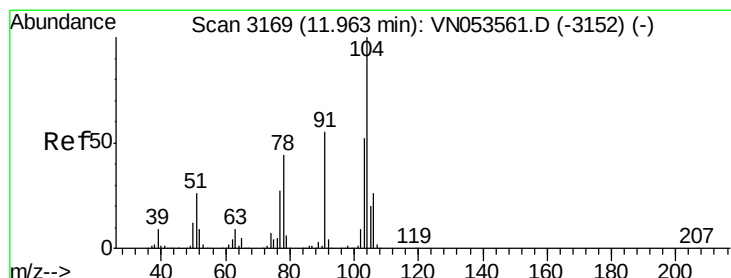
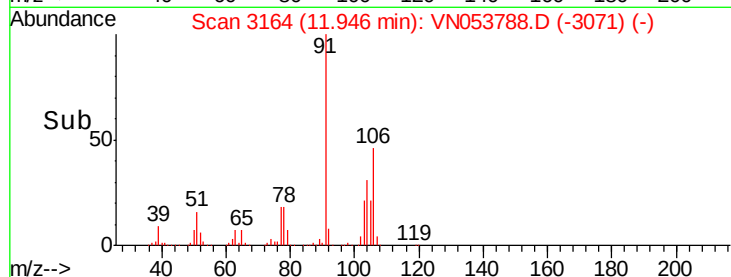
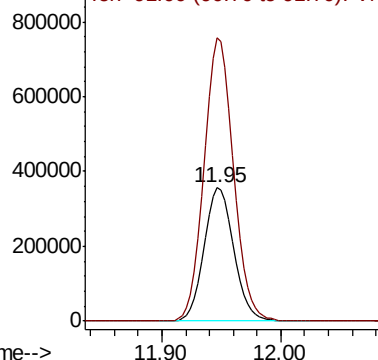
MMDadoda

2/15/2019 10:19:58 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 50.578 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

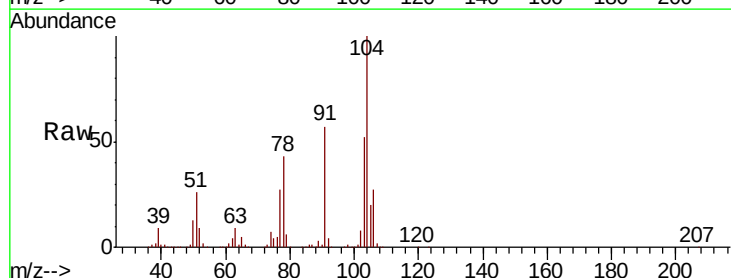
Tgt Ion:104 Resp: 1005825

Ion Ratio Lower Upper

104 100

78 46.8 38.2 57.2

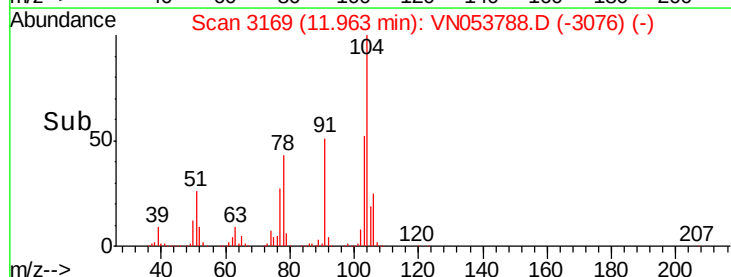
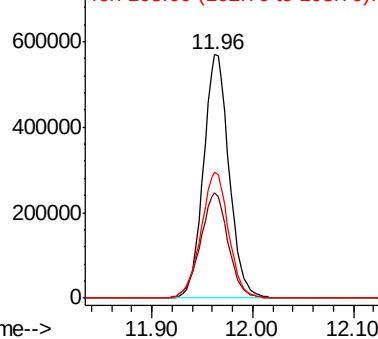
103 55.7 44.4 66.6

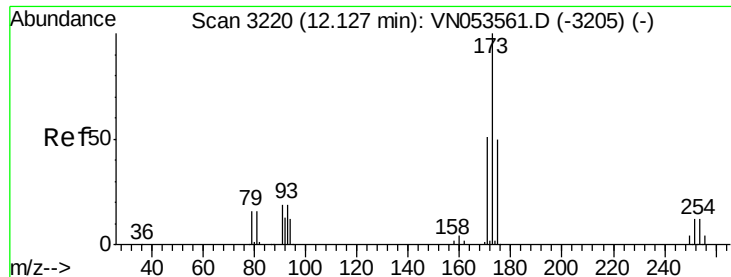


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





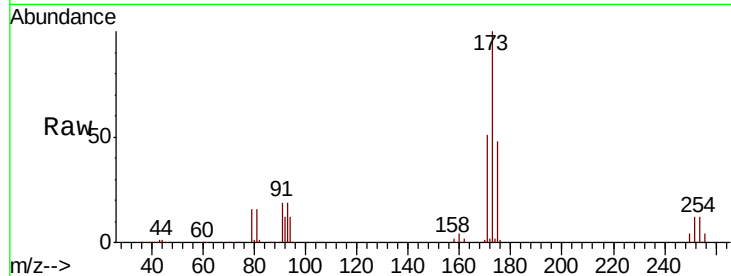
#71
Bromoform
Concen: 53.249 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

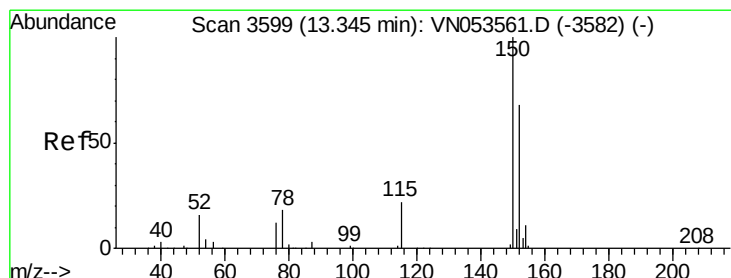
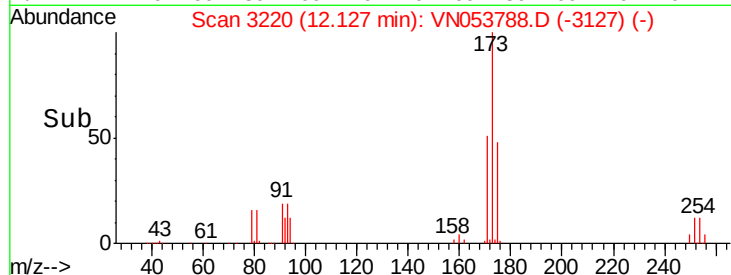
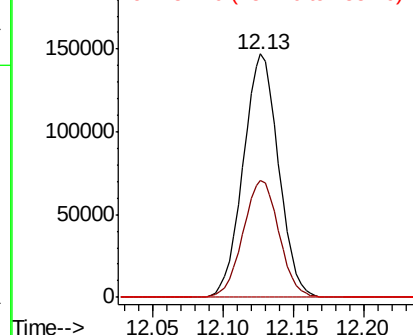
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.1	0.2	0.2#

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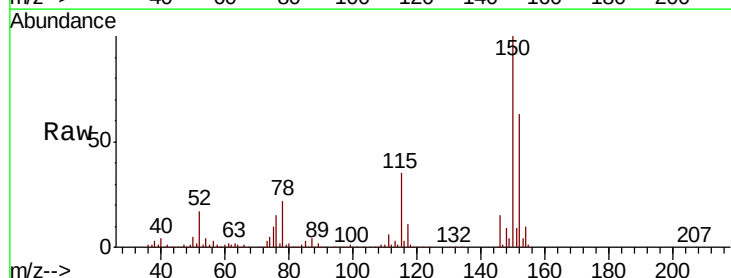


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

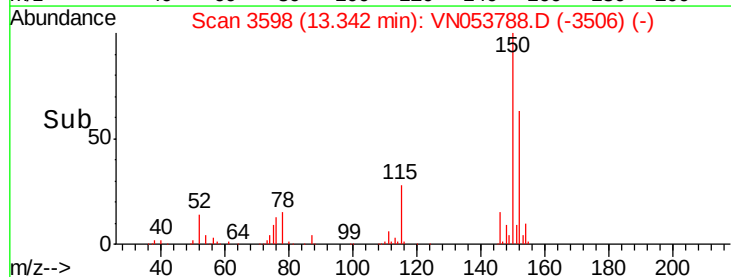
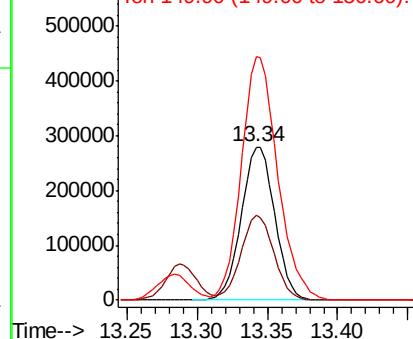


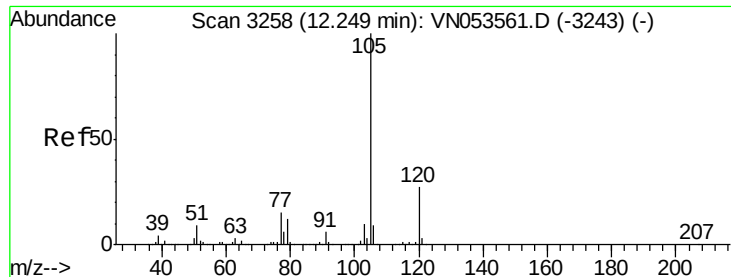
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.8	83.4
150	172.5	0.0	349.0



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: 48.930 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1597373

Ion Ratio Lower Upper

105 100

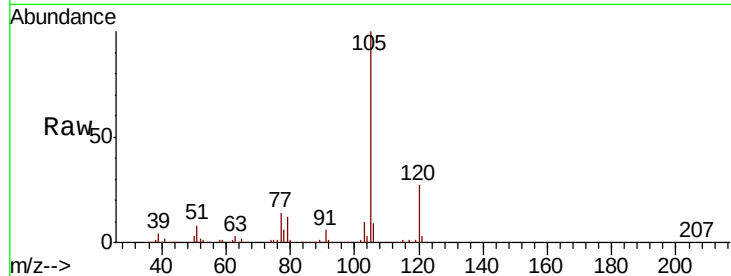
120 27.2 13.6 40.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

1000000

800000

600000

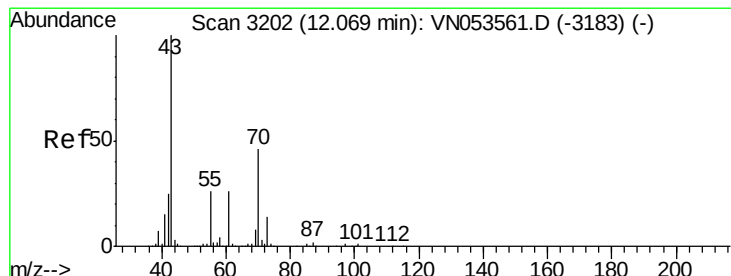
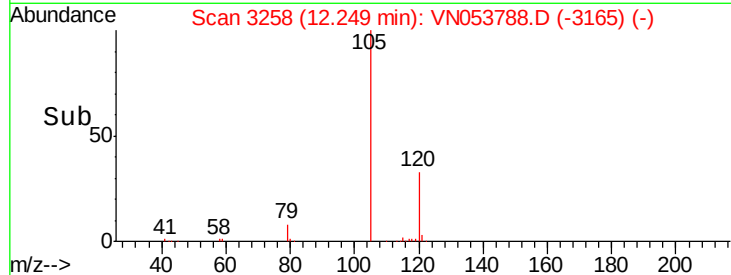
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 50.174 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion: 43 Resp: 393880

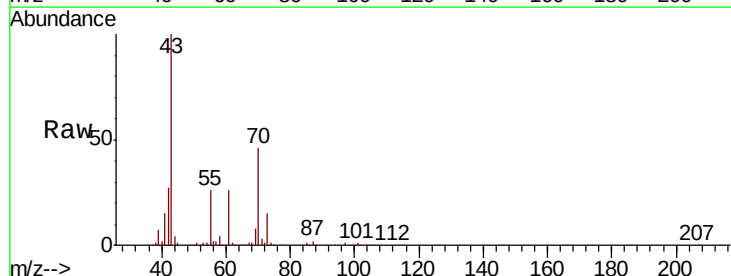
Ion Ratio Lower Upper

43 100

70 45.9 35.4 53.2

55 26.8 20.9 31.3

61 26.0 20.5 30.7



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

12.07

400000

300000

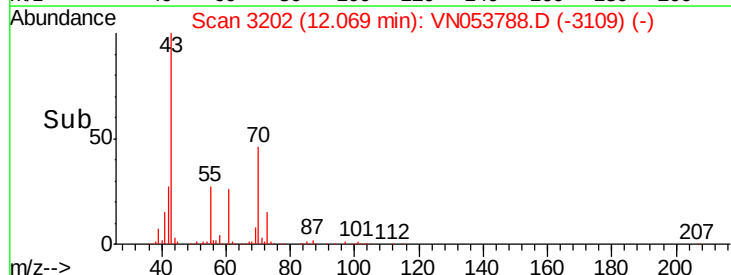
200000

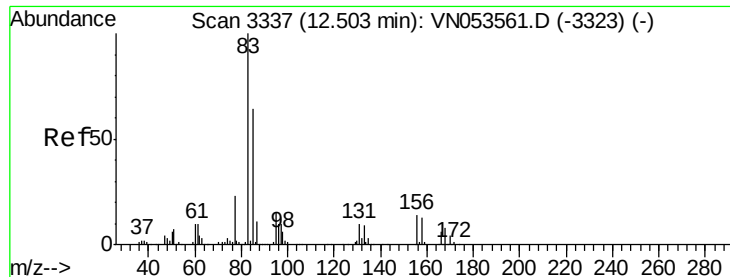
100000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 48.517 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 379067

Ion Ratio Lower Upper

83 100

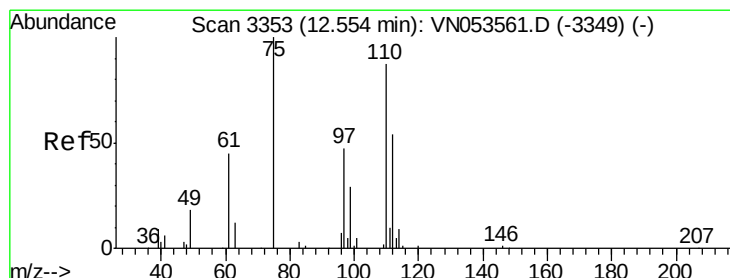
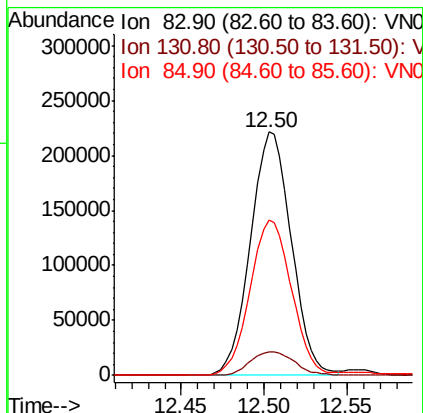
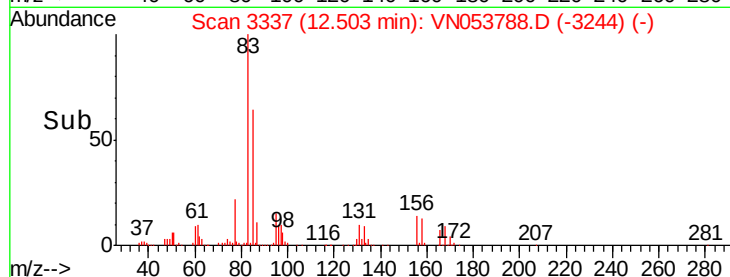
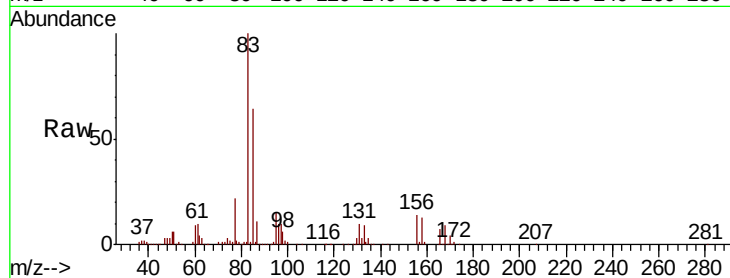
131 10.6 5.3 15.8

85 64.7 32.1 96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.113 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053788.D

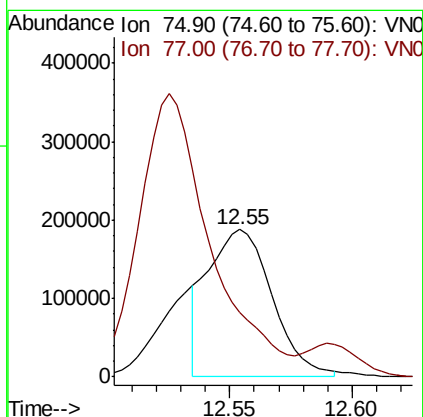
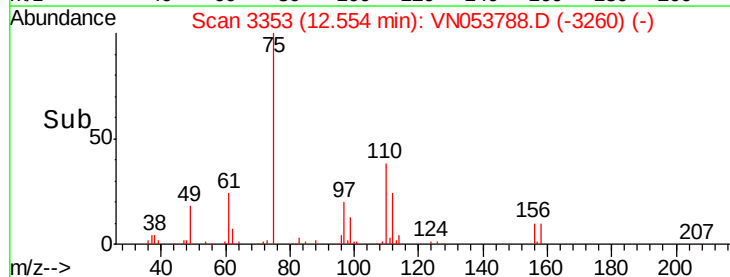
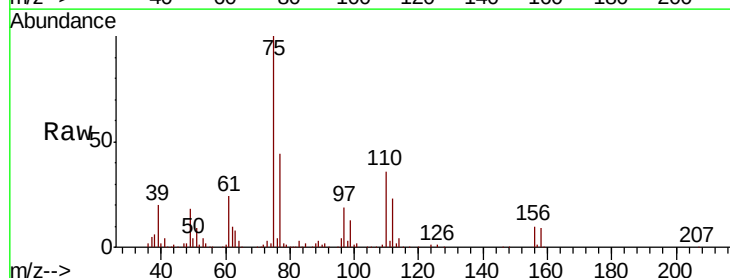
Acq: 14 Feb 2019 19:09

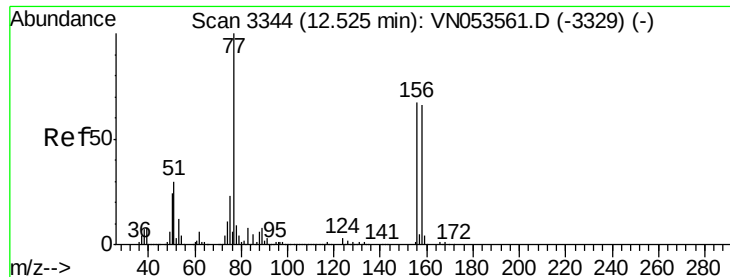
Tgt Ion: 75 Resp: 340669

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.819 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

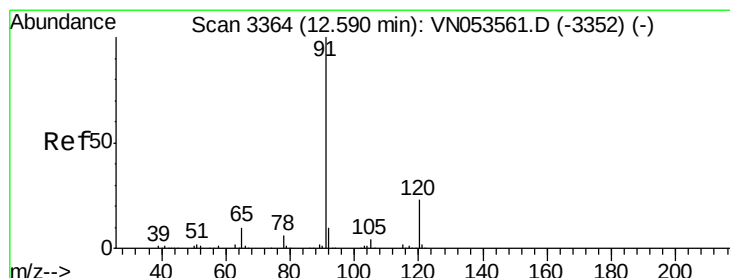
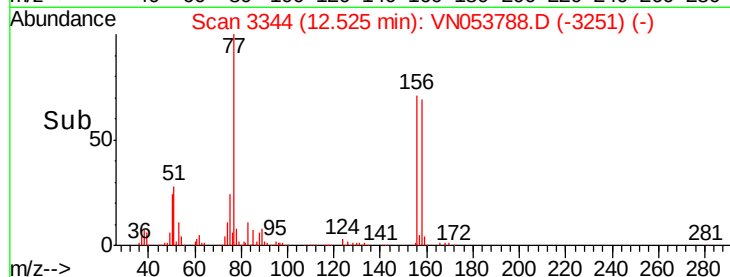
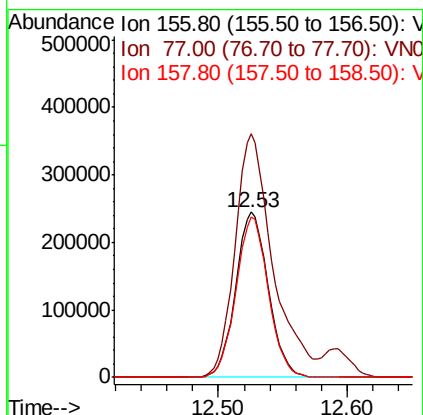
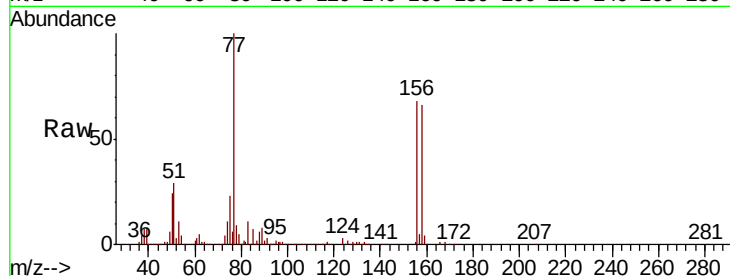
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	429525
Ion Ratio	Lower	Upper	
156	100		
77	171.3	87.9	263.8
158	96.3	48.8	146.4

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#78

n-propylbenzene

Concen: 48.759 ug/l

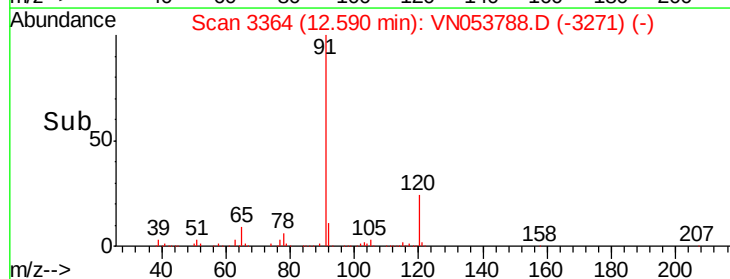
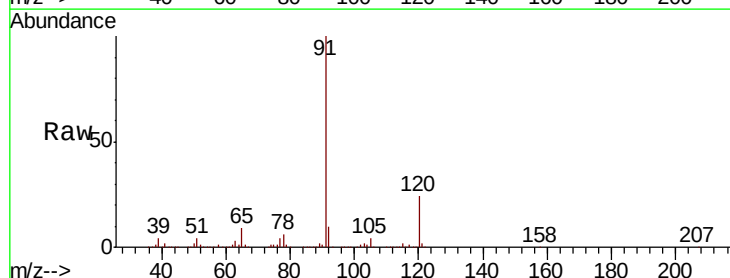
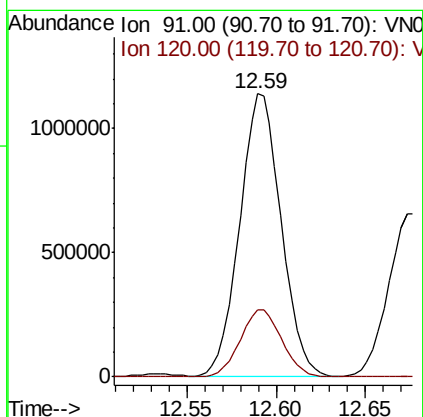
RT: 12.59 min Scan# 3364

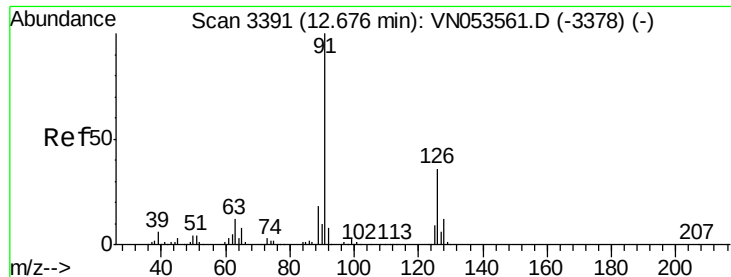
Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion:	91	Resp:	1840133
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 49.090 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1099116

Ion Ratio Lower Upper

91 100

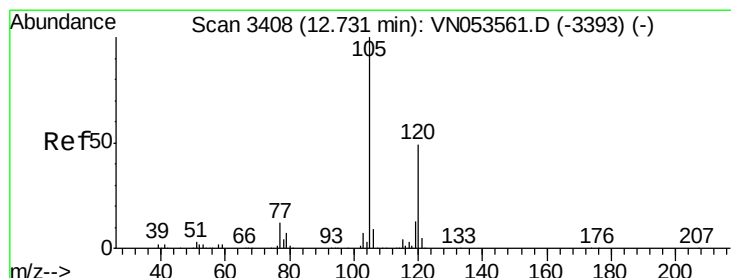
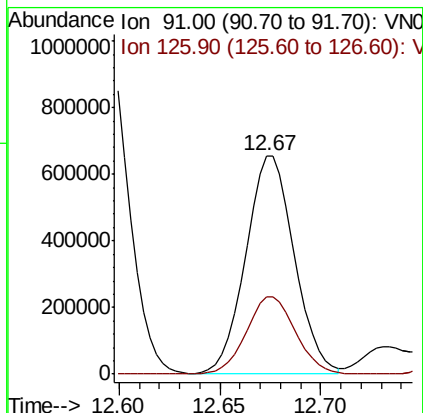
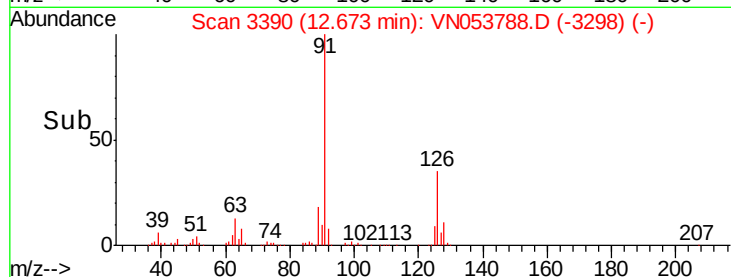
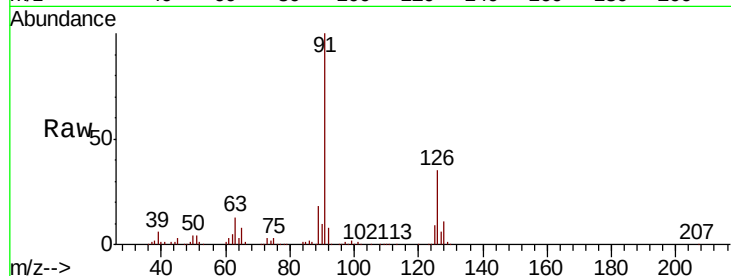
126 36.1 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.499 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053788.D

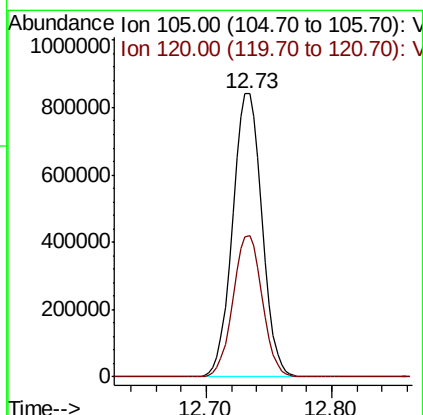
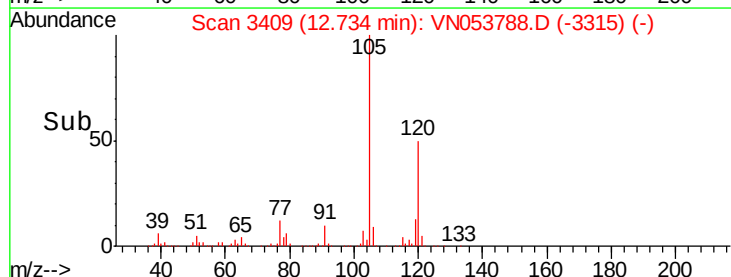
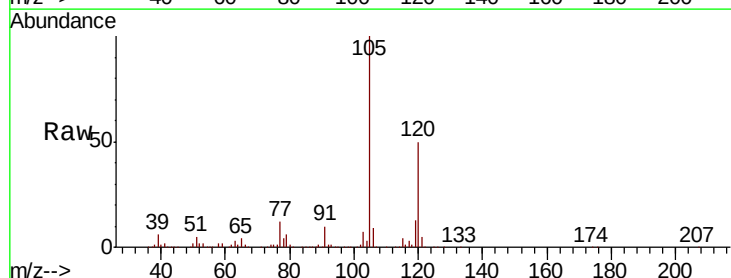
Acq: 14 Feb 2019 19:09

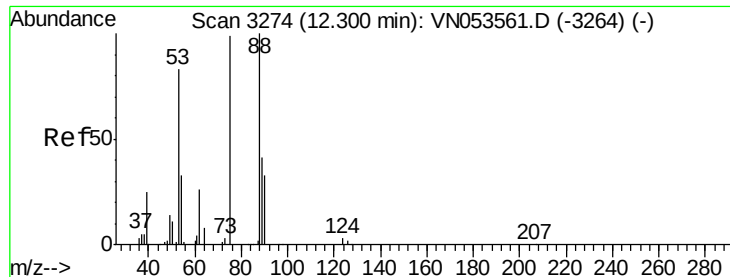
Tgt Ion: 105 Resp: 1367088

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.608 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

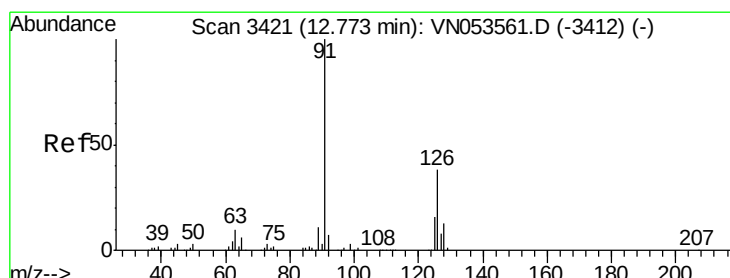
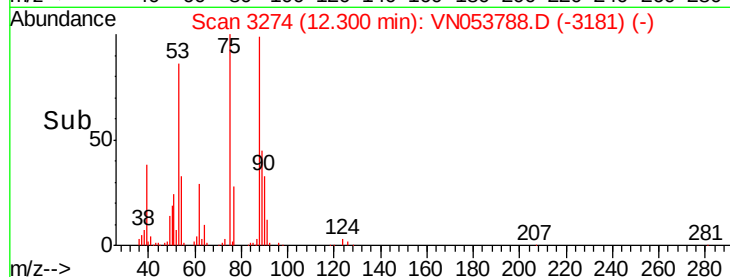
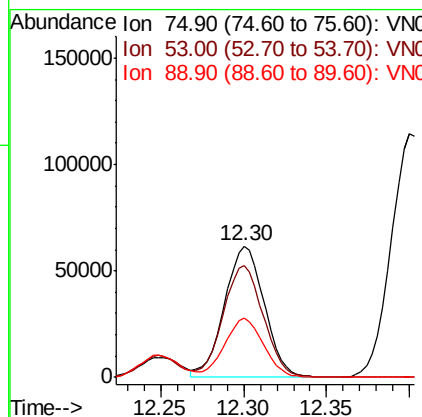
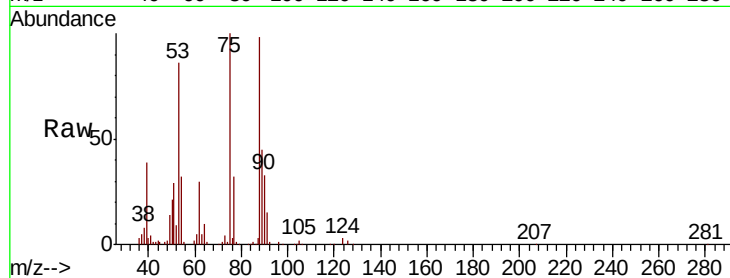
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	103110
Ion	Ratio	Lower	Upper
75	100		
53	86.4	69.8	104.6
89	44.3	35.6	53.4

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#82

4-Chlorotoluene

Concen: 47.958 ug/l

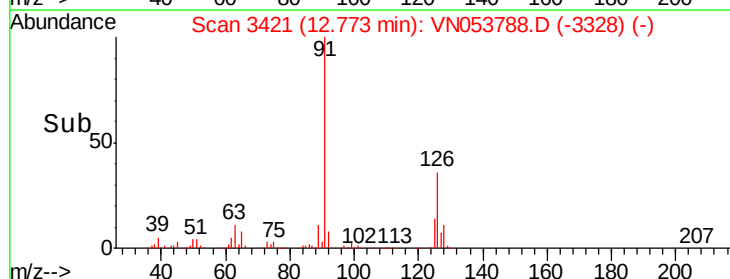
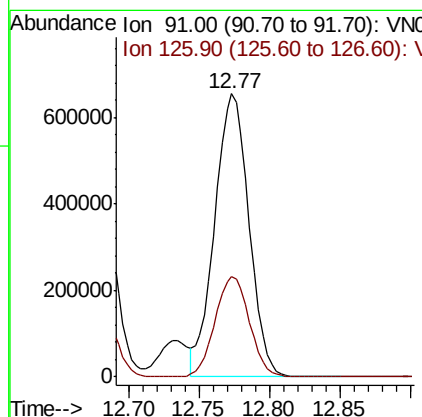
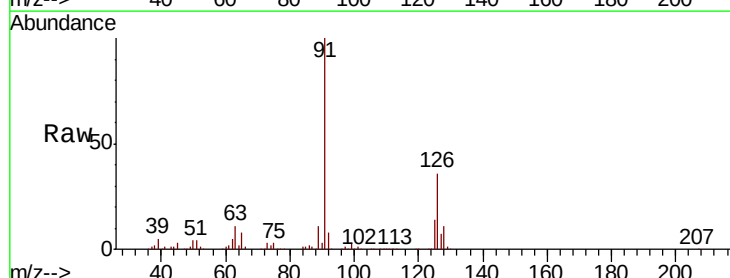
RT: 12.77 min Scan# 3421

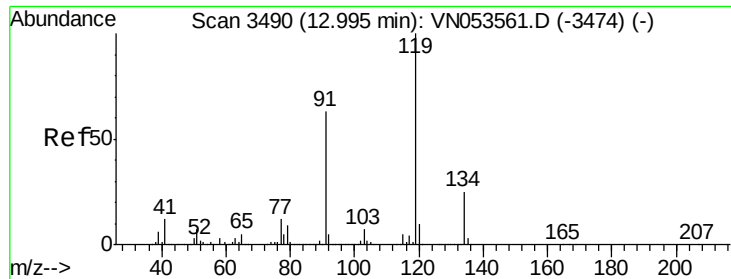
Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion:	91	Resp:	1101850
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.9





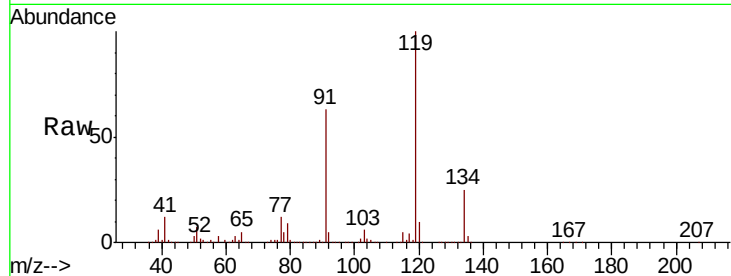
#83
tert-Butylbenzene
Concen: 50.526 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

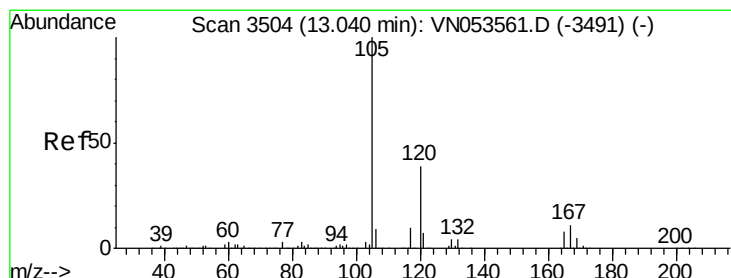
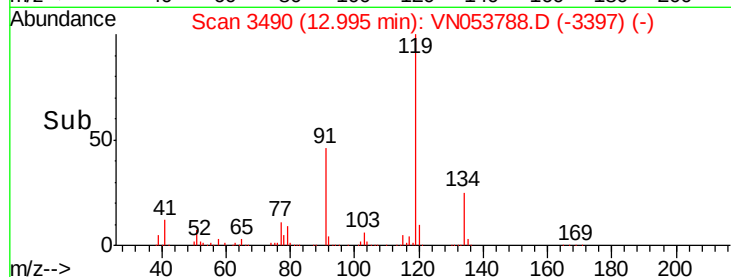
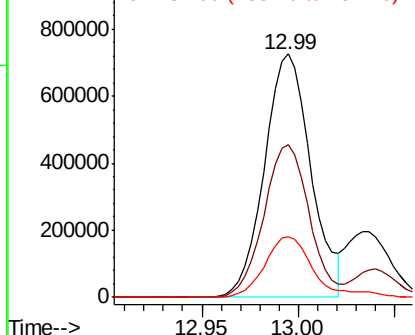
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	31.3	93.8
134	26.2	12.9	38.7

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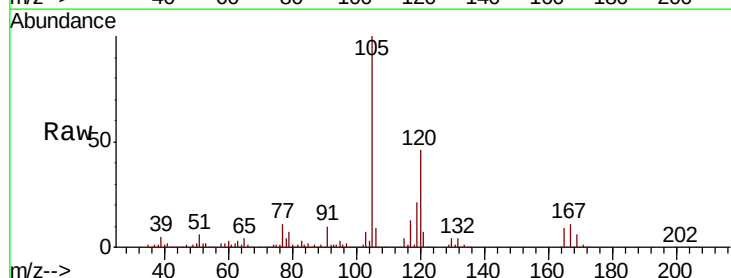


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

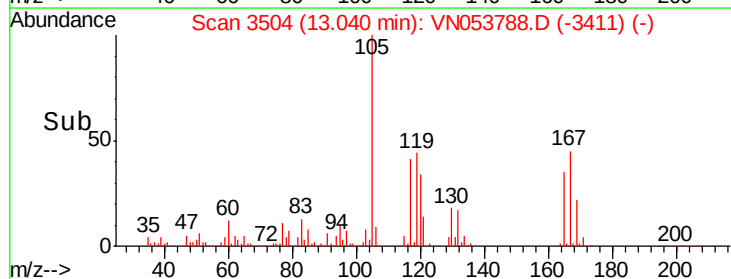
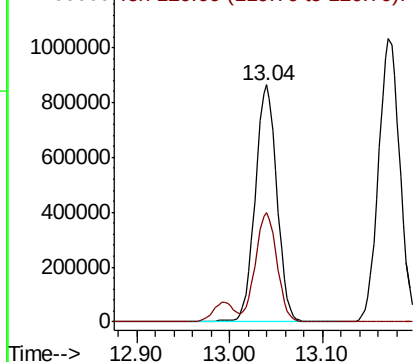


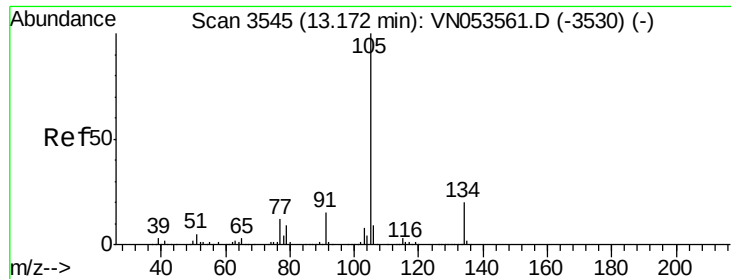
#84
1,2,4-Trimethylbenzene
Concen: 50.650 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	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: 50.372 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1640089

Ion Ratio Lower Upper

105 100

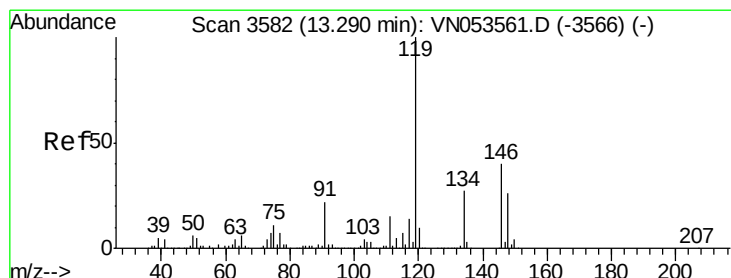
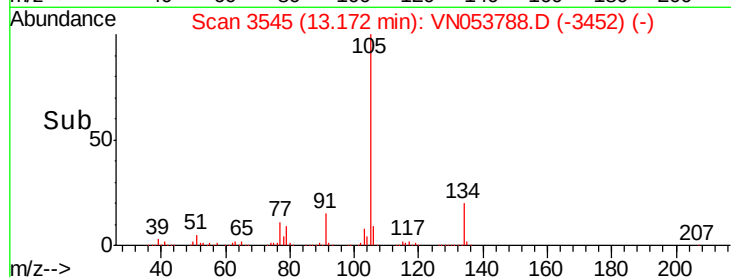
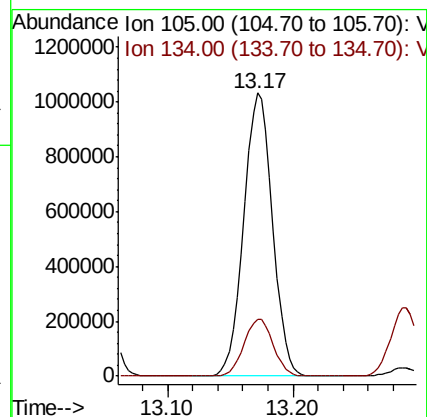
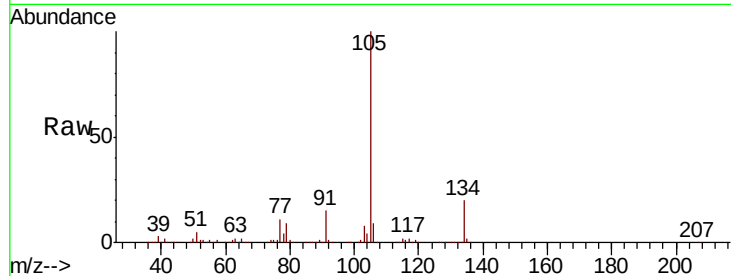
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 49.964 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

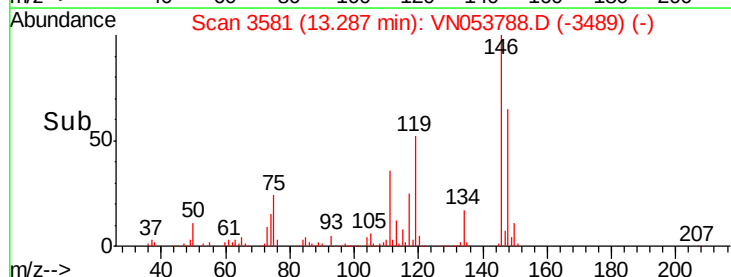
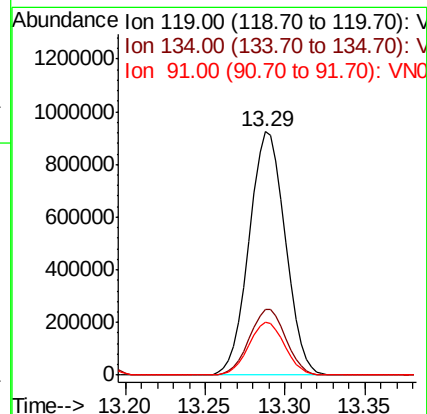
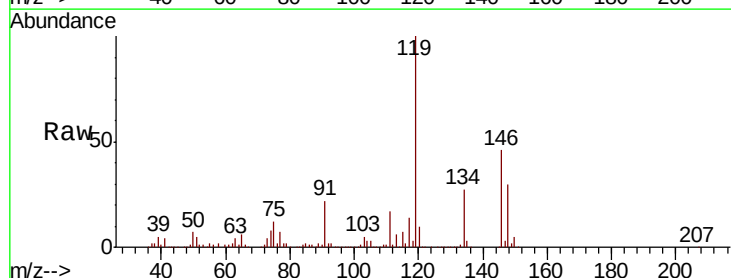
Tgt Ion:119 Resp: 1422789

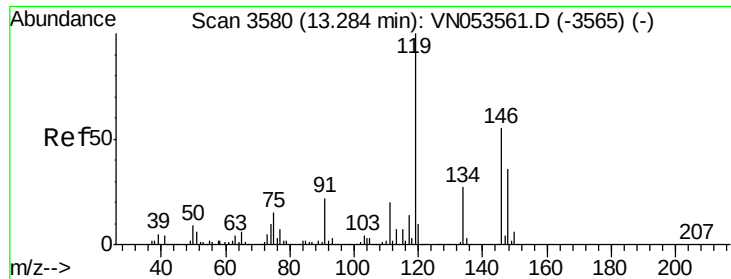
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.6 11.0 33.0





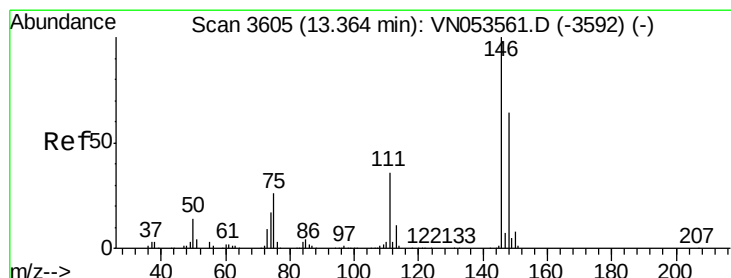
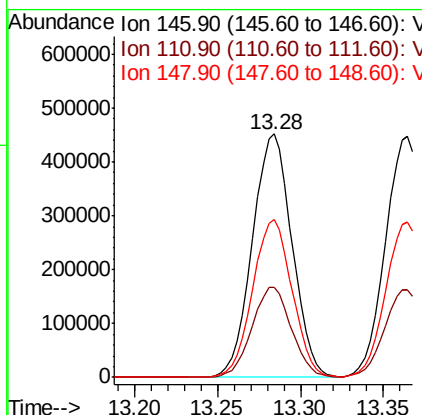
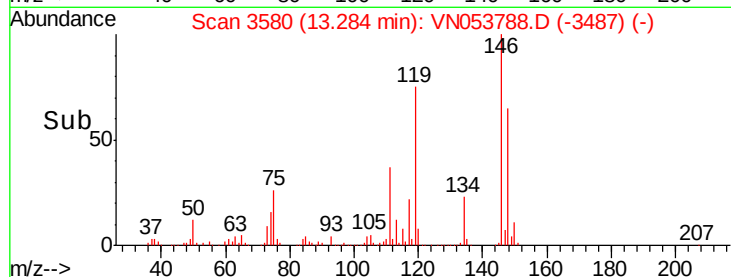
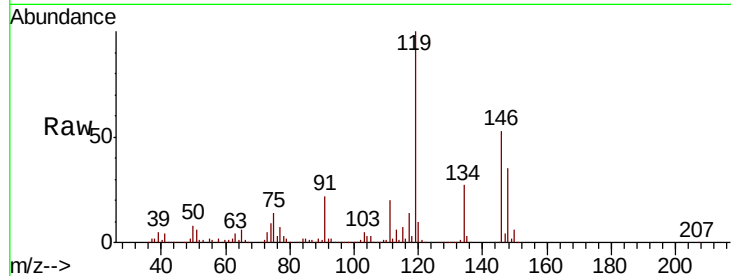
#87
 1,3-Dichlorobenzene
 Concen: 47.491 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.3
148	64.4	32.0	96.2

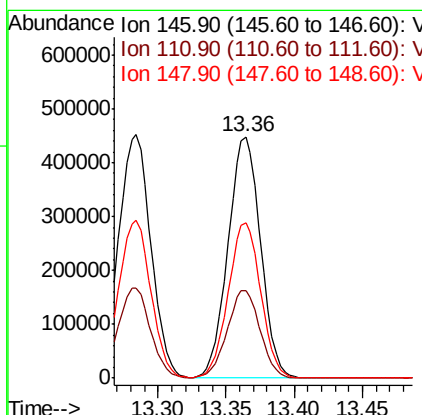
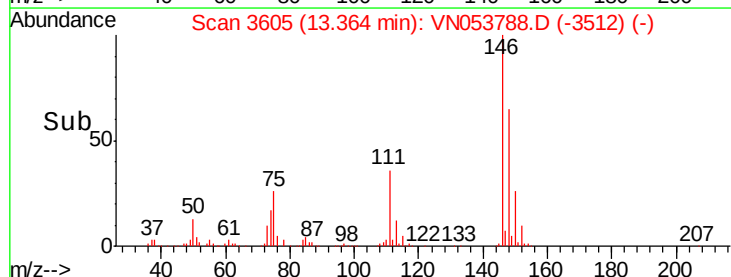
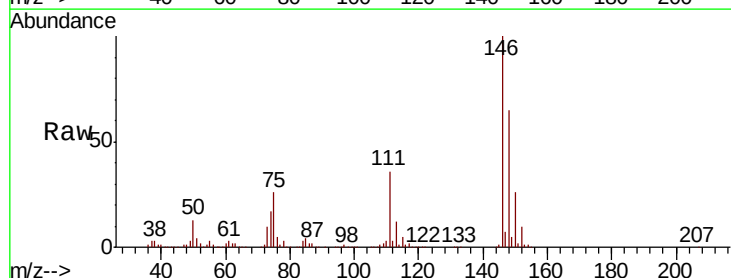
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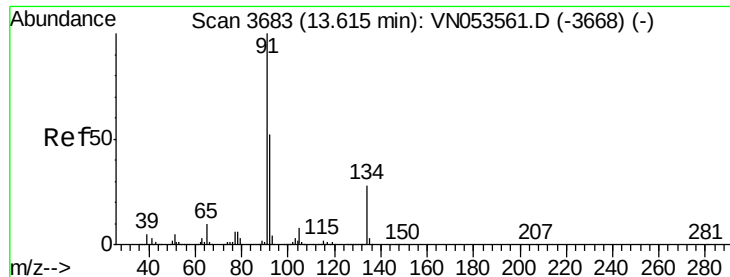
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#88
 1,4-Dichlorobenzene
 Concen: 47.430 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.6	55.8
148	64.5	32.4	97.0





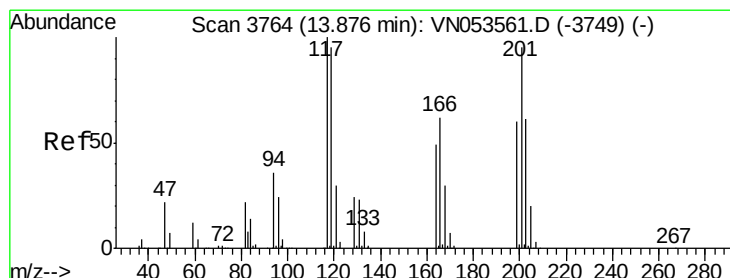
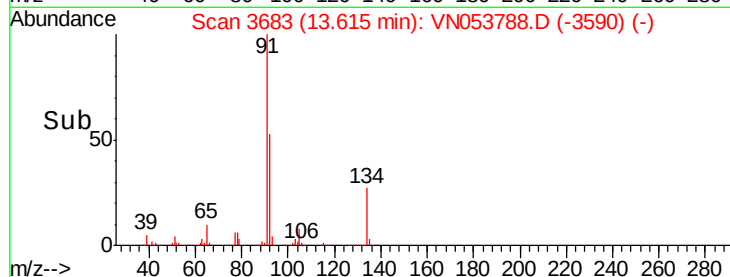
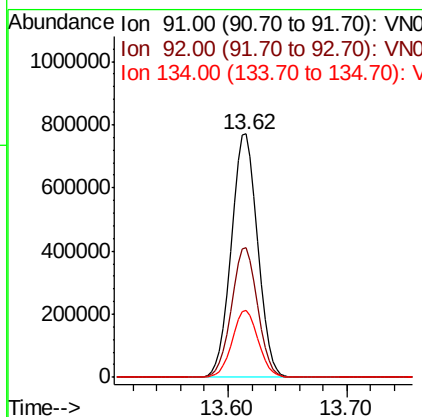
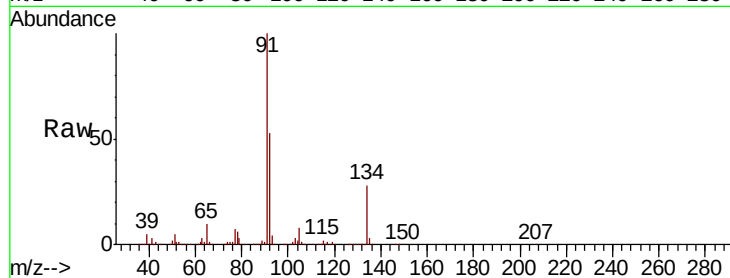
#89
n-Butylbenzene
Concen: 47.962 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	27.2	13.5	40.5

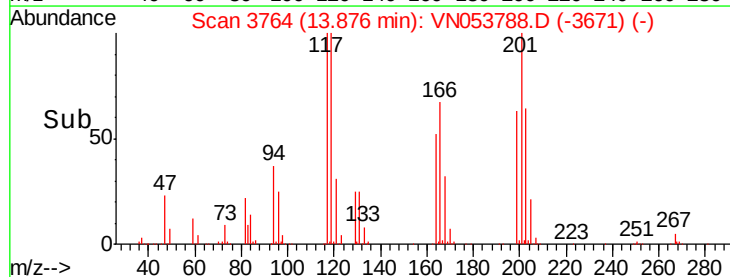
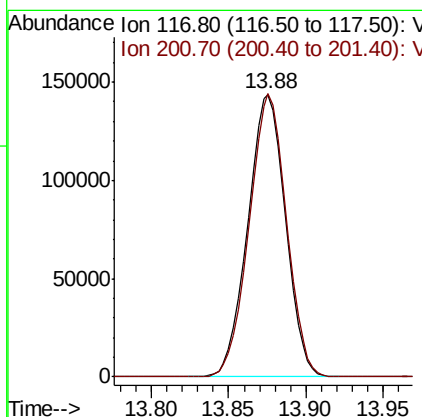
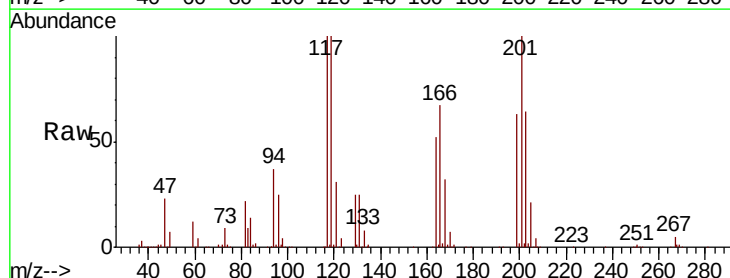
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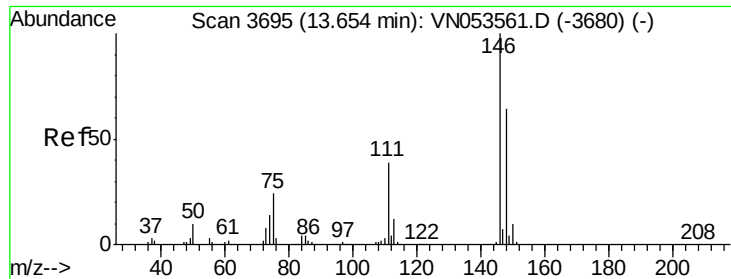
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#90
Hexachloroethane
Concen: 51.924 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053788.D
Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.0	46.8	140.4





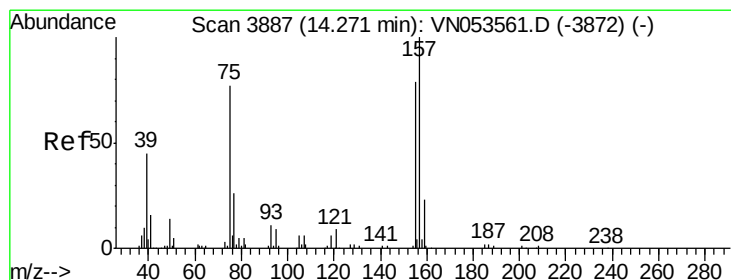
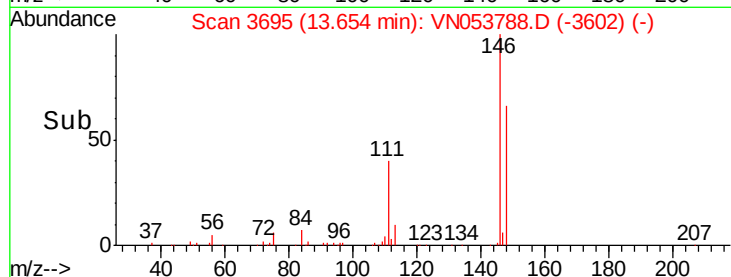
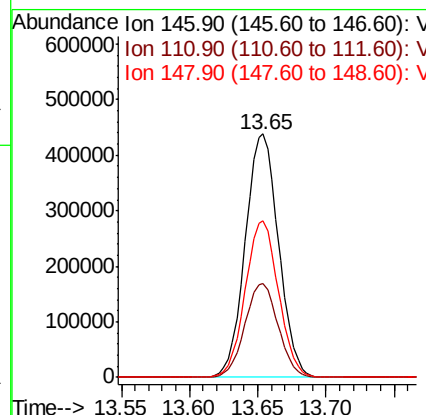
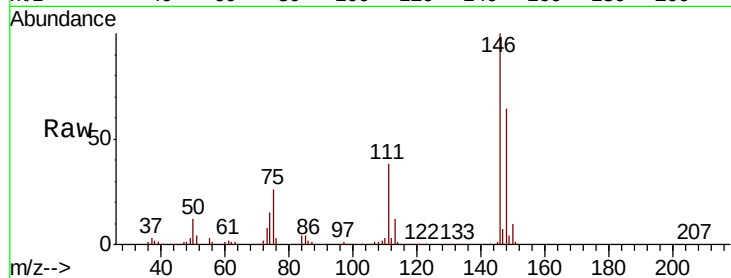
#91
 1,2-Dichlorobenzene
 Concen: 48.918 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	64.2	31.9	95.9

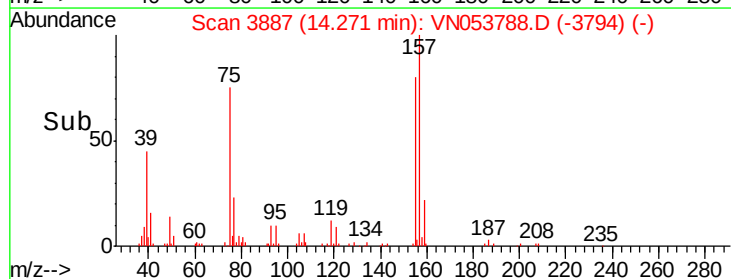
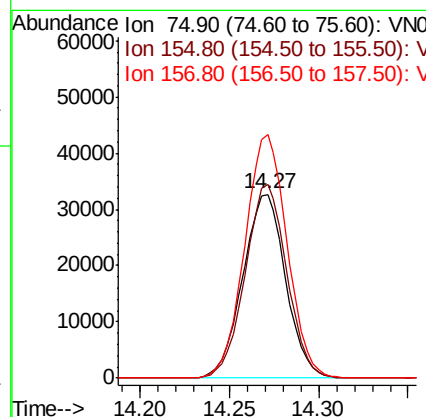
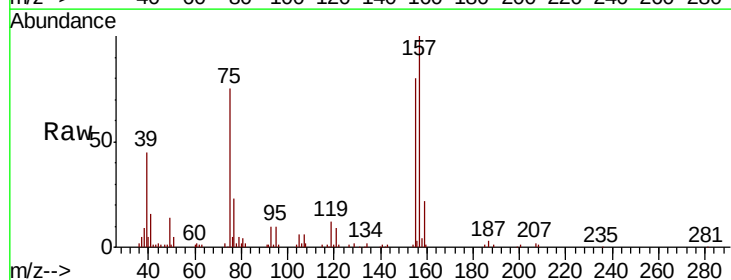
Manual Integrations
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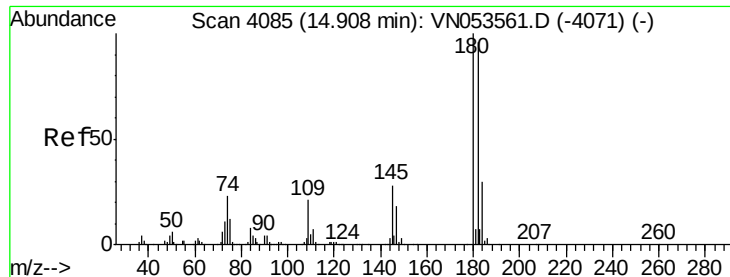
MMDadoda
 2/15/2019 10:19:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.076 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.3	48.9	146.7
157	130.9	63.7	191.3





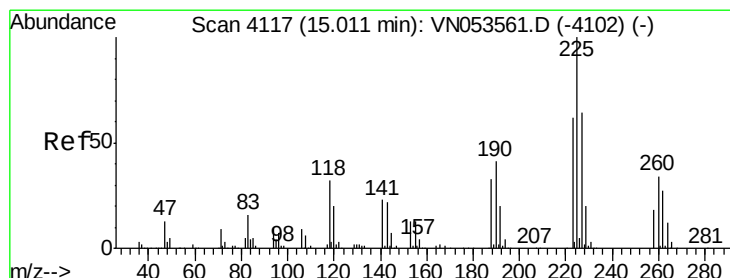
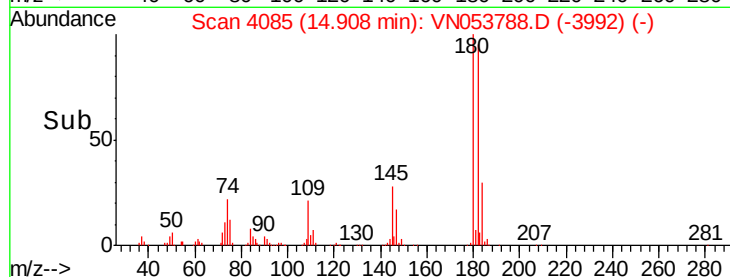
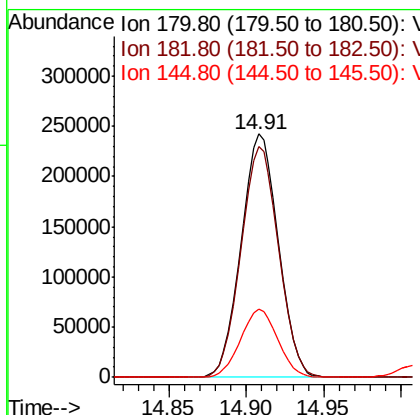
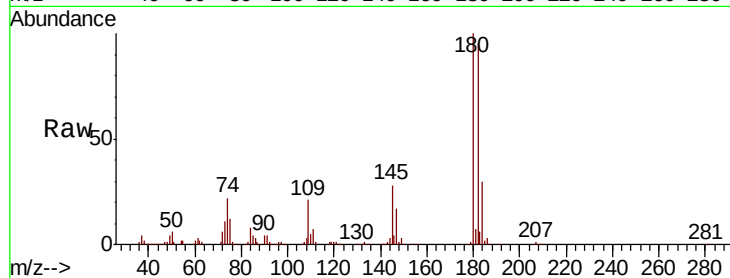
#93
 1,2,4-Trichlorobenzene
 Concen: 46.718 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	405709		
182	95.8		48.1	144.3
145	28.1		13.9	41.6

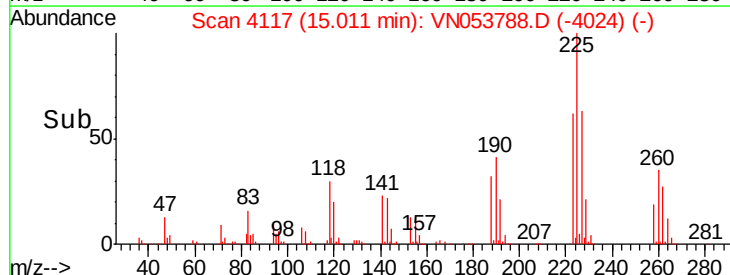
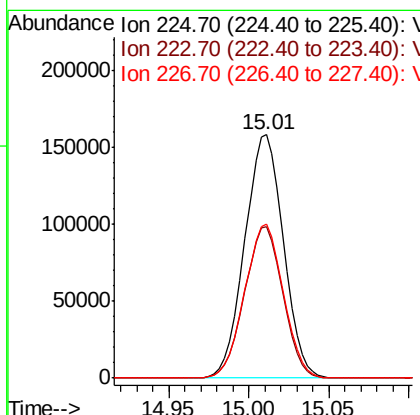
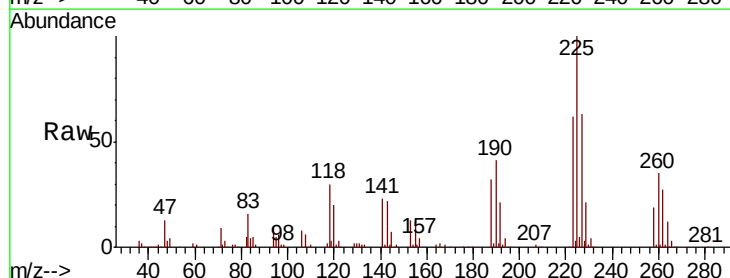
Manual Integrations
 APPROVED

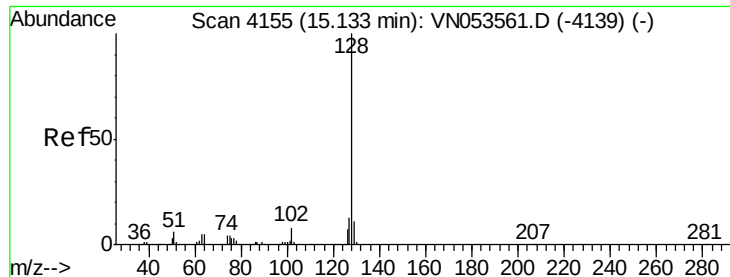
MMDadoda
 2/15/2019 10:19:58 AM



#94
 Hexachlorobutadiene
 Concen: 48.442 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053788.D
 Acq: 14 Feb 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	261984		
223	61.5		31.1	93.2
227	63.2		32.0	96.2





#95

Naphthalene

Concen: 41.066 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Instrument :

MSVOA_N

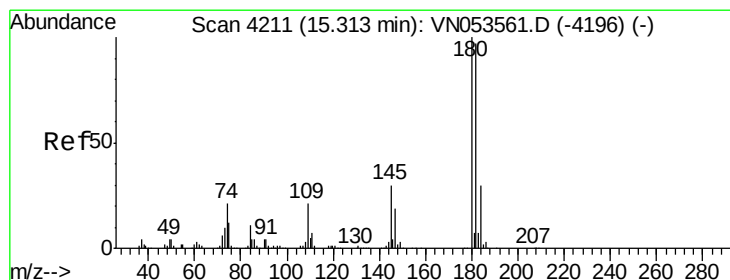
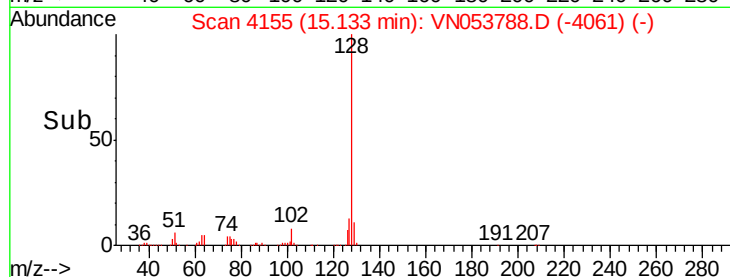
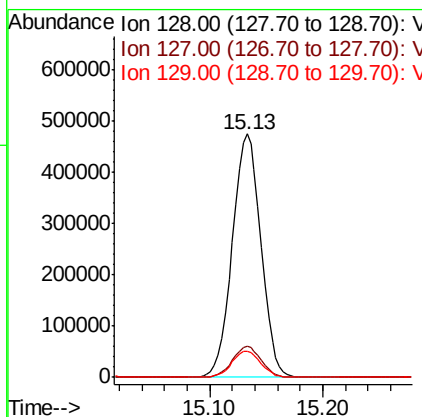
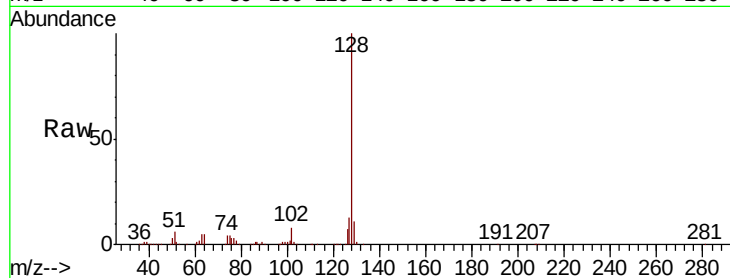
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	831192
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:19:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.218 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN053788.D

Acq: 14 Feb 2019 19:09

Tgt Ion:	180	Resp:	388534
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.8
145	29.3	14.7	44.1

