

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011419\
 Data File : VN053387.D
 Acq On : 14 Jan 2019 13:17
 Operator : JC/SP
 Sample : VN0114WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:14:25 AM

Quant Time: Jan 14 23:29:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	838611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1292325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1161168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	551528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	426057	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	7.59	113	362577	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.09	98	1517045	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.40	95	539903	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	146069	19.757	ug/l	99
3) Chloromethane	2.06	50	193922	18.783	ug/l	100
4) Vinyl Chloride	2.19	62	189440	19.224	ug/l	98
5) Bromomethane	2.55	94	126761	19.686	ug/l	98
6) Chloroethane	2.70	64	114997	19.334	ug/l	96
7) Trichlorofluoromethane	3.02	101	250636	19.636	ug/l	99
8) Diethyl Ether	3.41	74	98859	19.760	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	162934	20.141	ug/l	99
10) Methyl Iodide	3.96	142	229075	20.202	ug/l	100
11) Tert butyl alcohol	4.78	59	48563	92.541	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	153217	19.581	ug/l	99
13) Acrolein	3.61	56	67108	101.708	ug/l	100
14) Allyl chloride	4.33	41	253650	20.112	ug/l	96
15) Acrylonitrile	4.99	53	309199	98.702	ug/l	100
16) Acetone	3.82	43	202670	95.135	ug/l	97
17) Carbon Disulfide	4.06	76	413141	17.126	ug/l	99
18) Methyl Acetate	4.32	43	151354	19.168	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	439384	20.008	ug/l	100
20) Methylene Chloride	4.55	84	181599	19.380	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	166353	19.800	ug/l	99
22) Diisopropyl ether	5.95	45	556392	20.479	ug/l	96
23) Vinyl Acetate	5.90	43	1718612	100.533	ug/l	99
24) 1,1-Dichloroethane	5.85	63	316240	20.182	ug/l	100
25) 2-Butanone	6.84	43	339578	94.870	ug/l	100
26) 2,2-Dichloropropane	6.83	77	228050	19.909	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	194485	20.271	ug/l	100
28) Bromochloromethane	7.20	49	137738	20.627	ug/l	99
29) Tetrahydrofuran	7.21	42	230106	97.417	ug/l	98
30) Chloroform	7.37	83	309611	20.074	ug/l	98
31) Cyclohexane	7.66	56	299813	20.018	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	258501	20.113	ug/l	99
36) 1,1-Dichloropropene	7.79	75	237642	19.697	ug/l	100
37) Ethyl Acetate	6.93	43	153930	19.588	ug/l	99
38) Carbon Tetrachloride	7.78	117	224908	20.197	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	291805	20.877	ug/l	99
40) Benzene	8.04	78	732559	19.878	ug/l	99
41) Methacrylonitrile	7.17	41	86368	17.703	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	219725	20.100	ug/l	100
43) Isopropyl Acetate	8.17	43	274206	17.737	ug/l	99
44) Trichloroethene	8.84	130	201980	19.960	ug/l	99
45) 1,2-Dichloropropane	9.12	63	196529	20.333	ug/l	98
46) Dibromomethane	9.21	93	113818	20.196	ug/l	98
47) Bromodichloromethane	9.40	83	233087	19.846	ug/l	100
48) Methyl methacrylate	9.20	41	138935	19.781	ug/l	99
49) 1,4-Dioxane	9.20	88	24273	324.375	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	771321	99.214	ug/l	99
52) Toluene	10.16	92	455501	20.147	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	241023	20.061	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	279354	20.121	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	163836	19.708	ug/l	99
56) Ethyl methacrylate	10.43	69	218019	20.181	ug/l	99
57) 1,3-Dichloropropane	10.71	76	285158	20.512	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	574435	98.354	ug/l	100
59) 2-Hexanone	10.75	43	524660	98.497	ug/l	99
60) Dibromochloromethane	10.90	129	178610	19.919	ug/l	100
61) 1,2-Dibromoethane	11.01	107	162355	19.790	ug/l	97
64) Tetrachloroethene	10.63	164	219192	20.056	ug/l	99
65) Chlorobenzene	11.43	112	505175	20.027	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	177626	20.118	ug/l	99
67) Ethyl Benzene	11.51	91	866191	20.208	ug/l	99
68) m/p-Xylenes	11.62	106	662385	41.097	ug/l	100
69) o-Xylene	11.95	106	322494	20.438	ug/l	100
70) Styrene	11.96	104	530799	20.669	ug/l	100
71) Bromoform	12.13	173	122674	19.671	ug/l #	100
73) Isopropylbenzene	12.25	105	865965	21.089	ug/l	100
74) N-amyl acetate	12.07	43	246916	20.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	193723	20.509	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	157712m	19.605	ug/l	
77) Bromobenzene	12.53	156	225746	20.598	ug/l	99
78) n-propylbenzene	12.59	91	981783	21.137	ug/l	99
79) 2-Chlorotoluene	12.68	91	583537	20.763	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	704327	21.294	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55213	20.194	ug/l	96
82) 4-Chlorotoluene	12.77	91	592681	20.566	ug/l	99
83) tert-Butylbenzene	12.99	119	624173	21.508	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	703909	20.890	ug/l	100
85) sec-Butylbenzene	13.17	105	848895	22.181	ug/l	100
86) p-Isopropyltoluene	13.29	119	737080	22.244	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	393271	20.377	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	386456	20.186	ug/l	99
89) n-Butylbenzene	13.62	91	610946	21.991	ug/l	99
90) Hexachloroethane	13.88	117	106165	19.989	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	367612	20.335	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25003	21.823	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	142806	25.123	ug/l	100
94) Hexachlorobutadiene	15.01	225	116697	25.100	ug/l	96
95) Naphthalene	15.13	128	255479	26.346	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	104785	28.157	ug/l	98

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

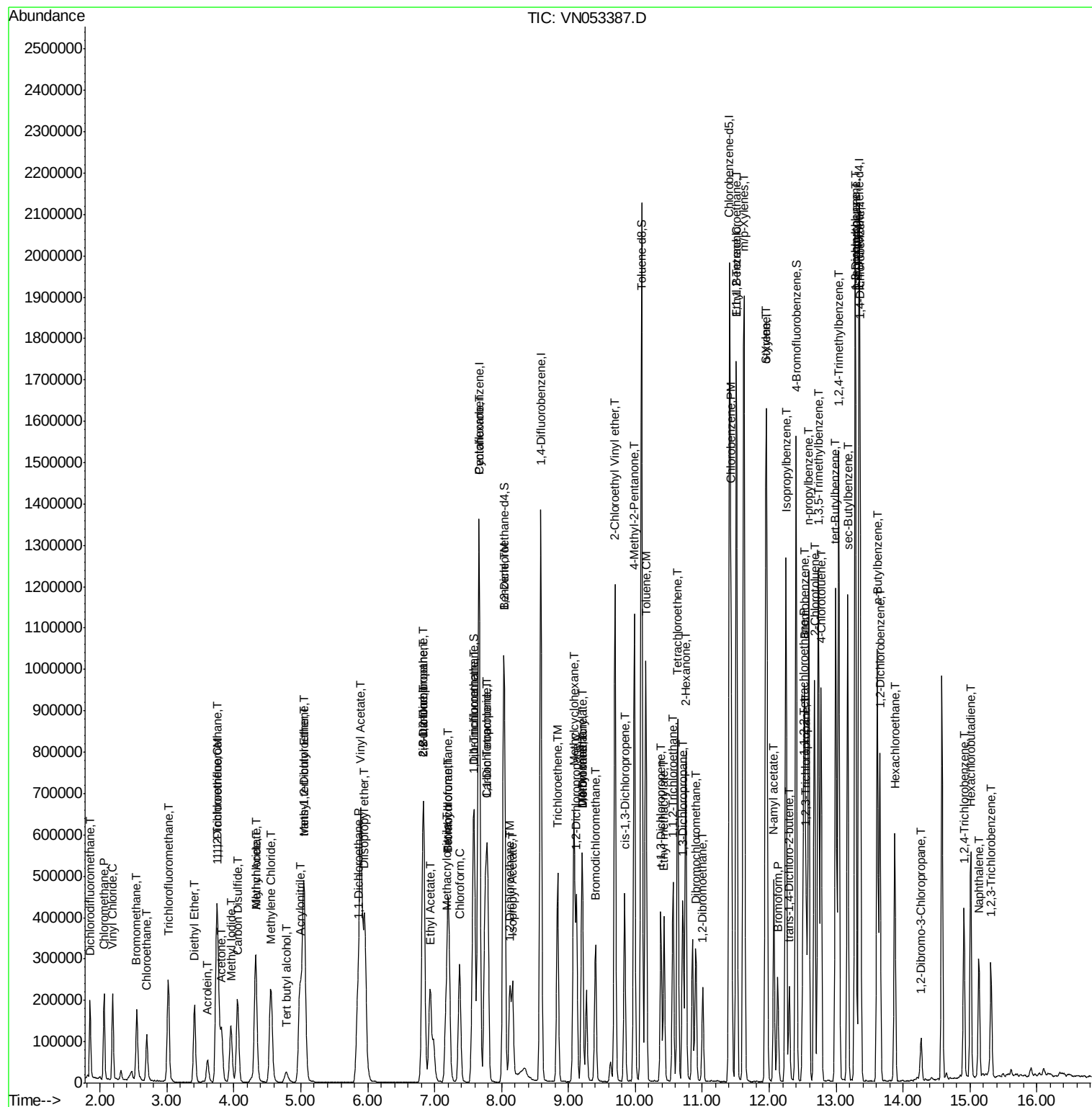
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Data File : VN053387.D
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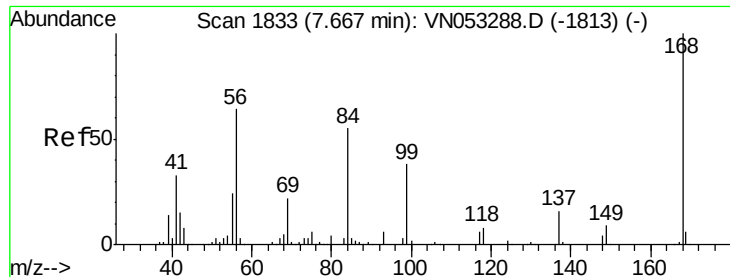
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion:168 Resp: 838611

Ion Ratio Lower Upper

168 100

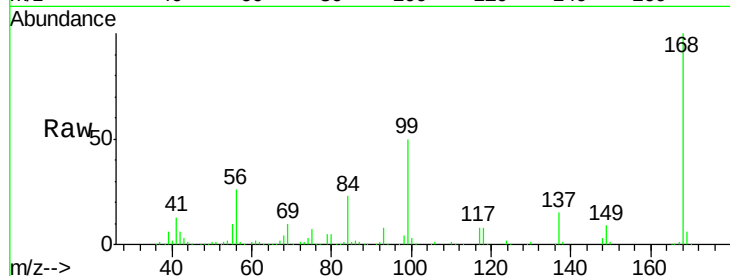
99 49.9 39.1 58.7

Manual Integrations

APPROVED

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1/15/2019 11:14:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

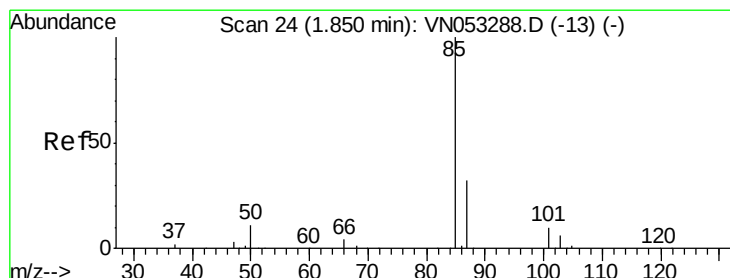
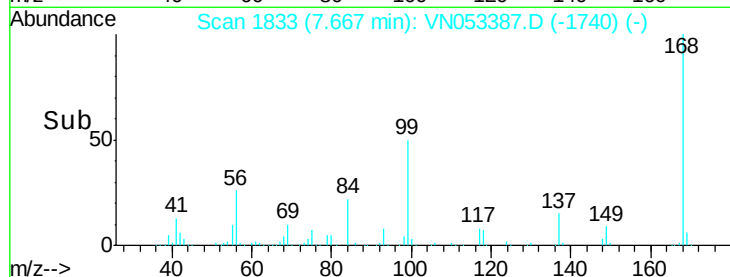
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.757 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053387.D

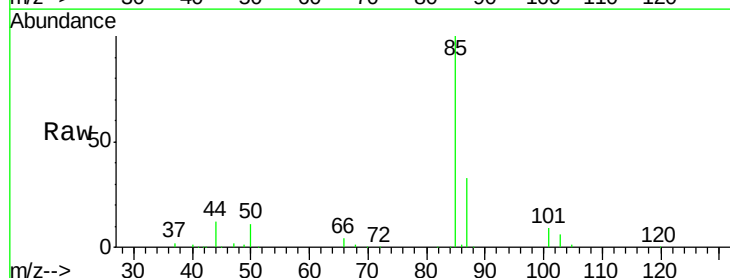
Acq: 14 Jan 2019 13:17

Tgt Ion: 85 Resp: 146069

Ion Ratio Lower Upper

85 100

87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

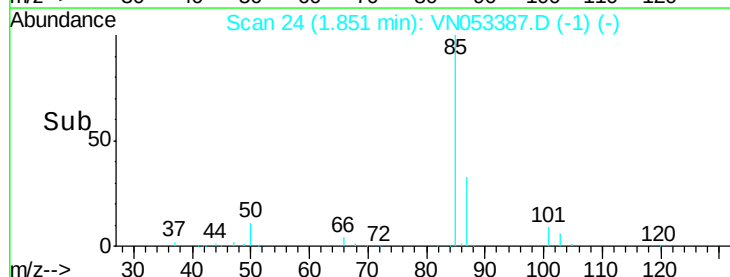
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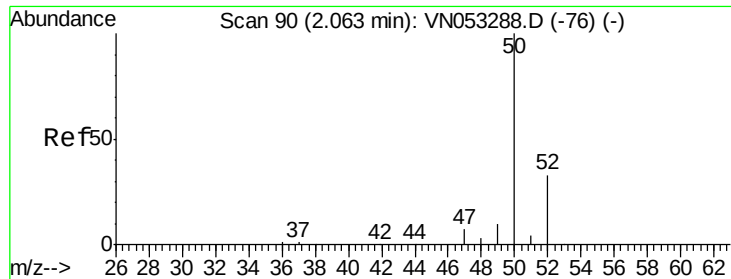
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.783 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion: 50 Resp: 193922

Ion Ratio Lower Upper

50 100

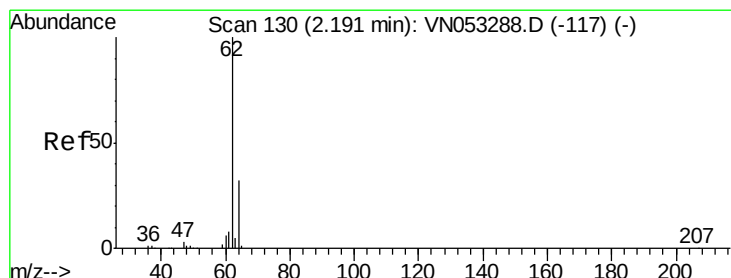
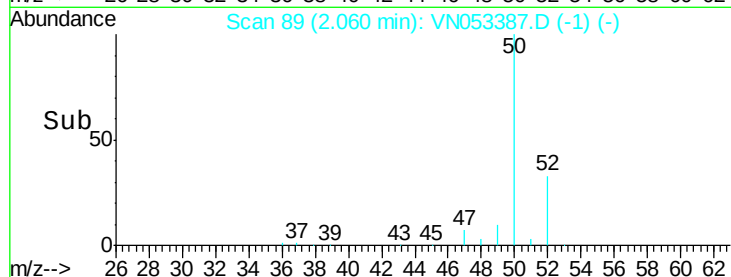
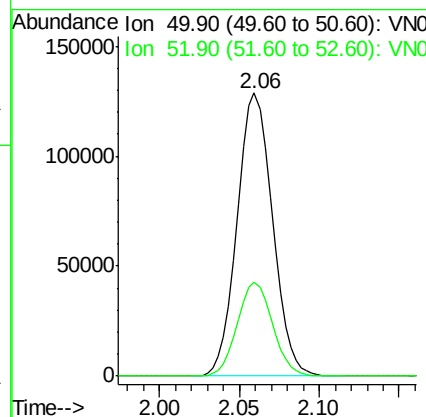
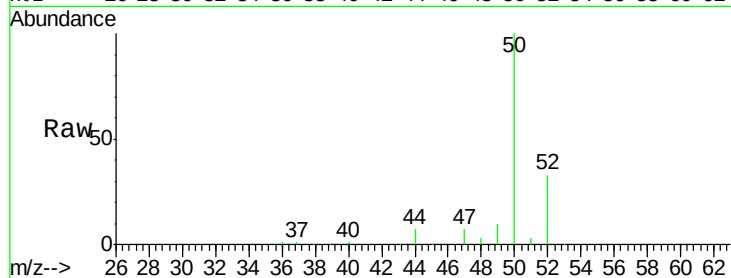
52 33.2 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.224 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053387.D

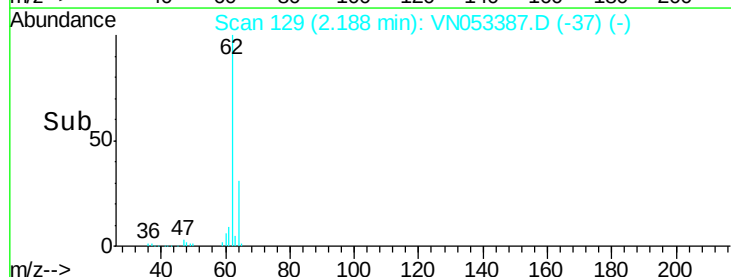
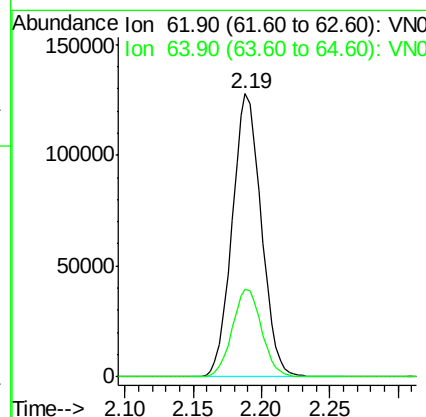
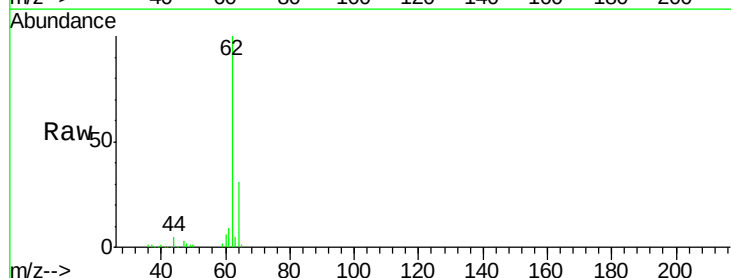
Acq: 14 Jan 2019 13:17

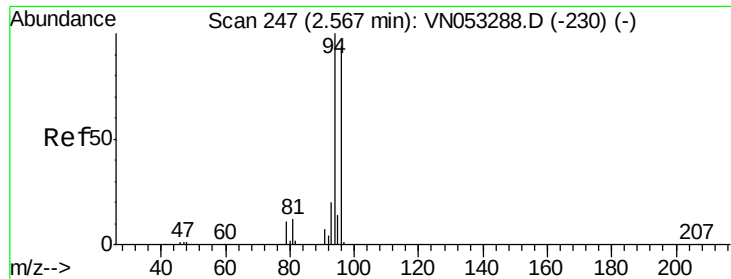
Tgt Ion: 62 Resp: 189440

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 19.686 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.02 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

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ClientSampleId :

VN0114WBSD01

Tot Ion: 94 Resp: 126761

Ion Ratio Lower Upper

94 100

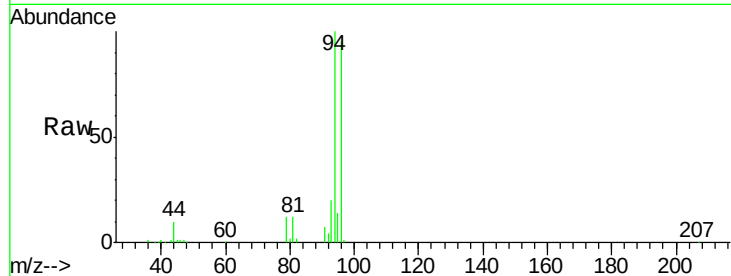
96 95.3 74.9 112.3

Manual Integrations

APPROVED

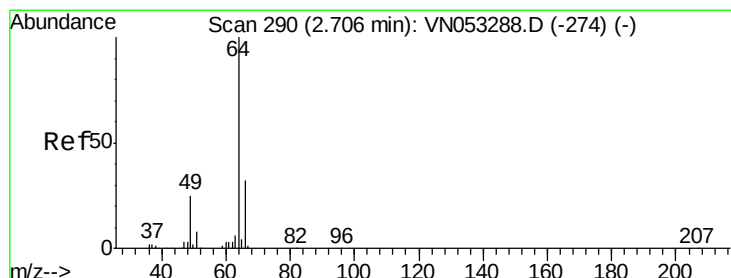
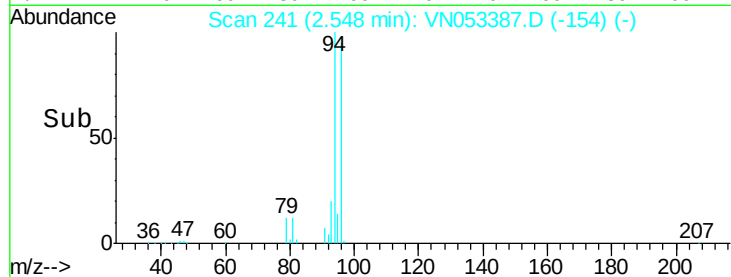
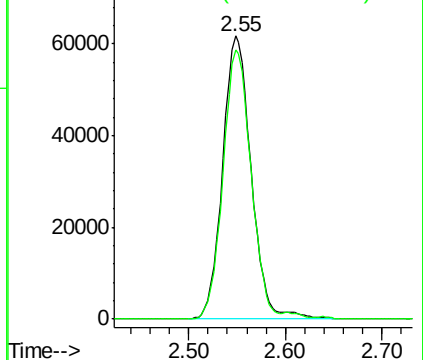
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.334 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN053387.D

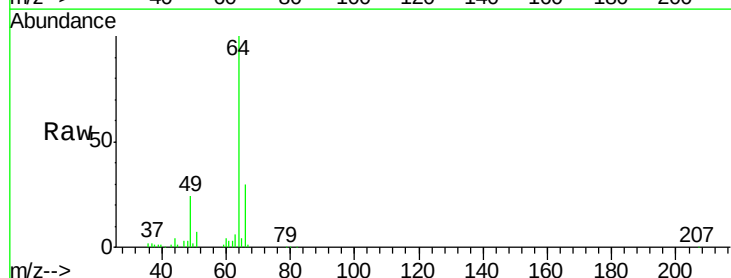
Acq: 14 Jan 2019 13:17

Tgt Ion: 64 Resp: 114997

Ion Ratio Lower Upper

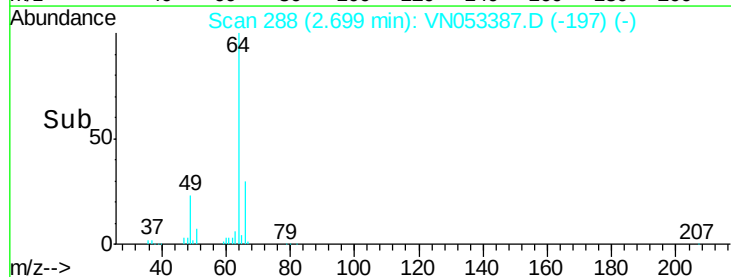
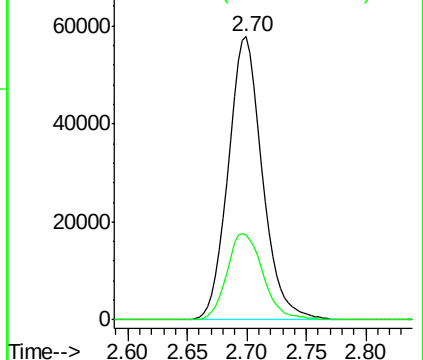
64 100

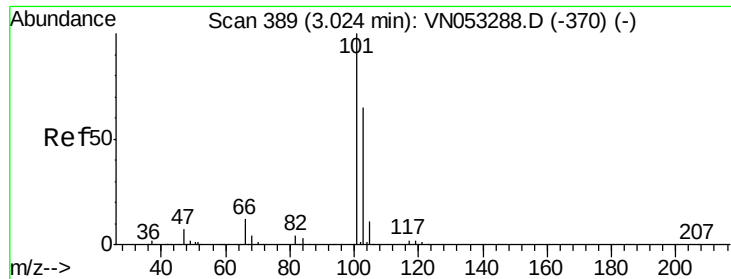
66 29.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

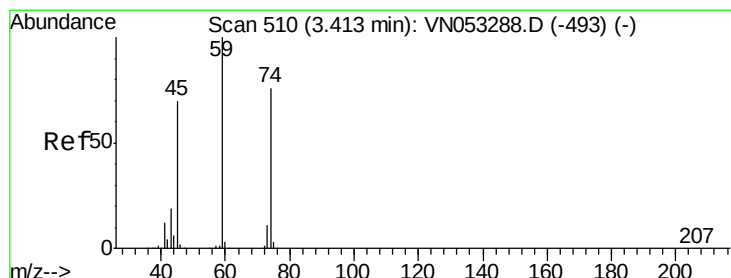
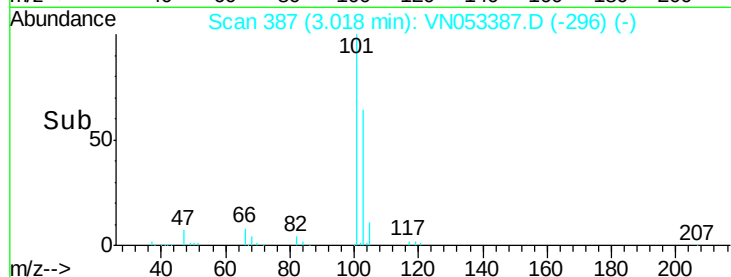
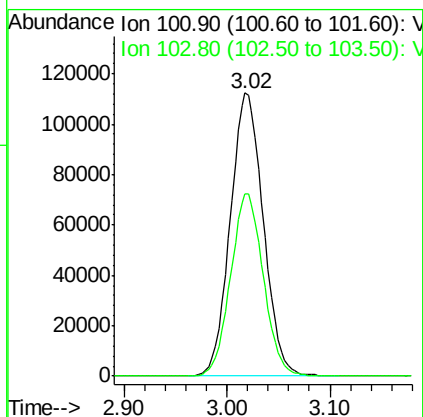
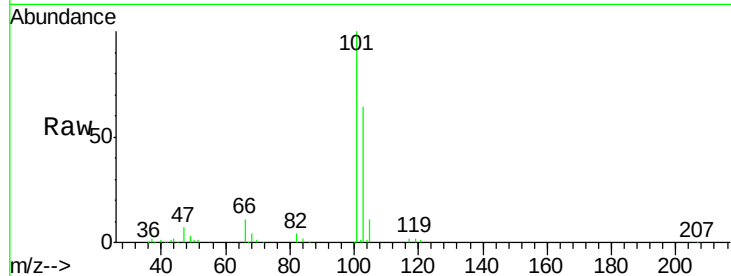
Trichlorofluoromethane
Concen: 19.636 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

Manual Integrations
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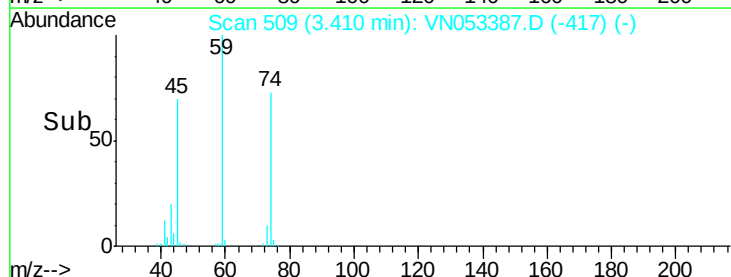
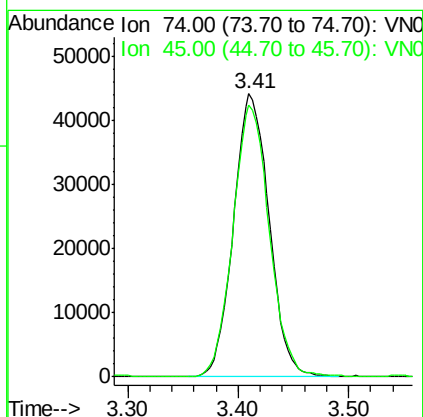
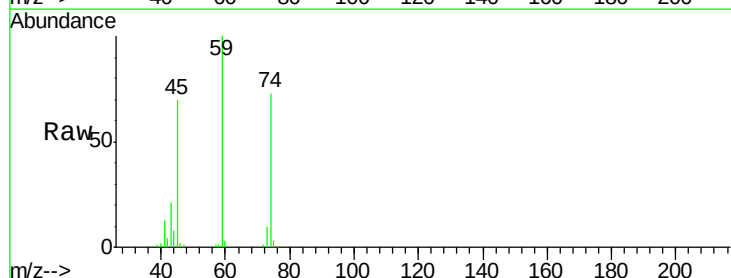
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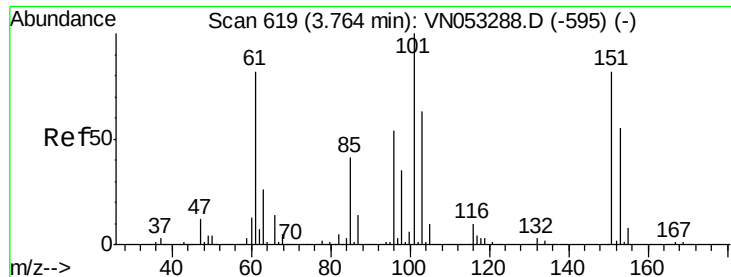


#8

Diethyl Ether
Concen: 19.760 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053387.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	48.3	144.9





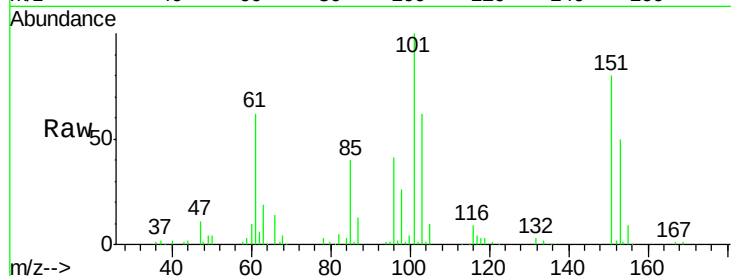
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.141 ug/l
RT: 3.76 min Scan# 619
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

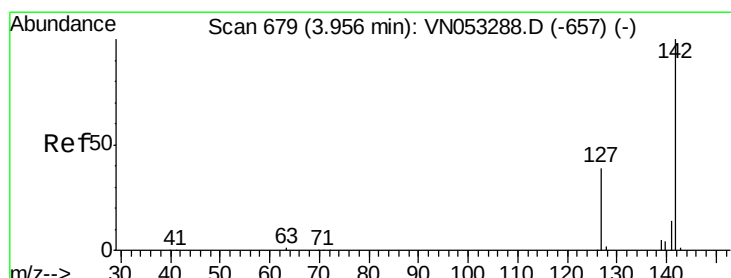
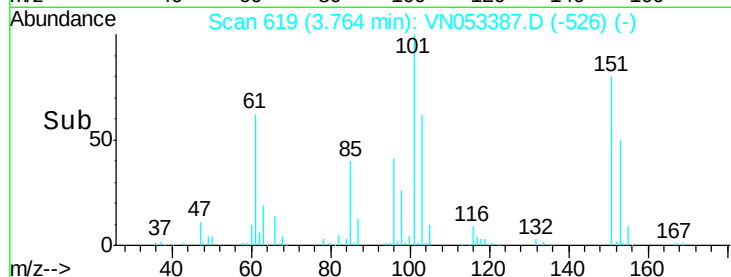
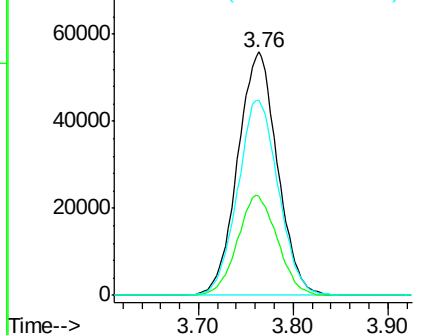
Tot Ion	Ratio	Lower	Upper
101	100		
85	41.3	33.3	49.9
151	82.3	67.0	100.4

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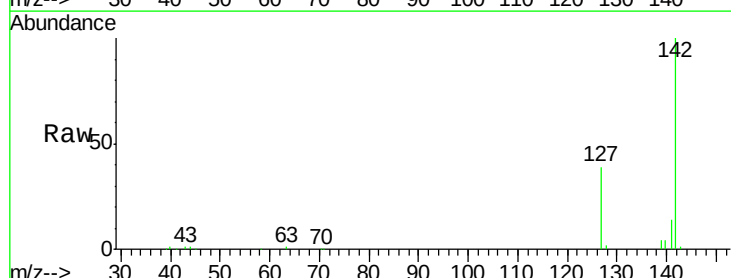


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

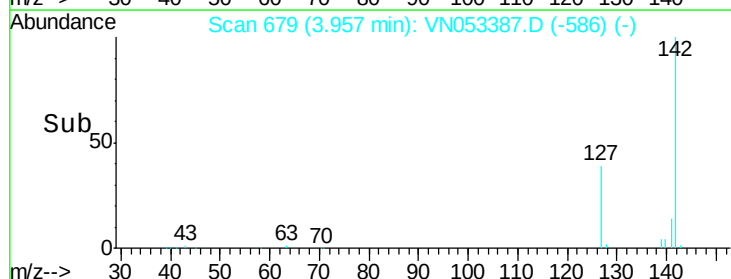
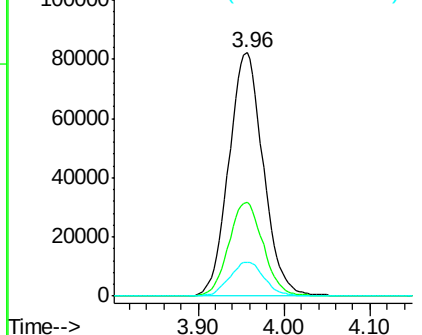


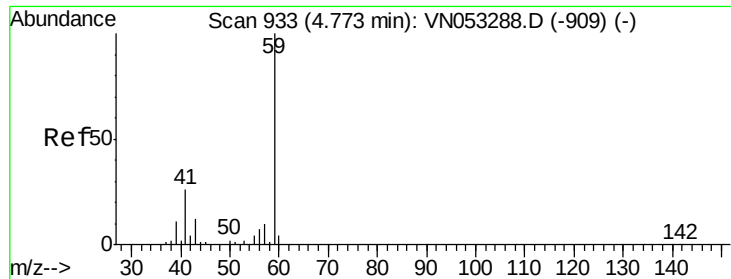
#10
Methyl Iodide
Concen: 20.202 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.6	30.9	46.3
141	14.2	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

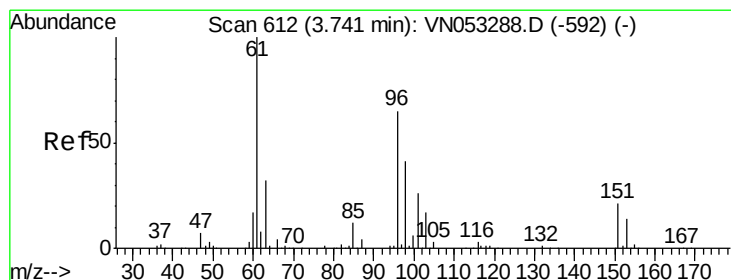
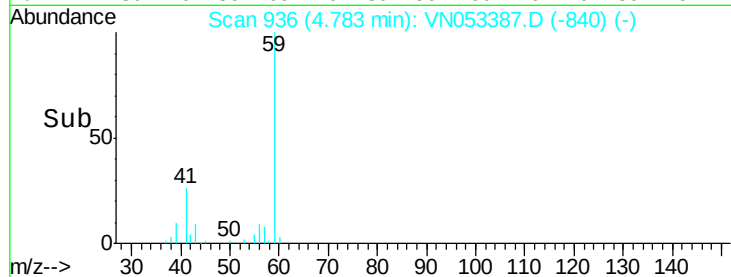
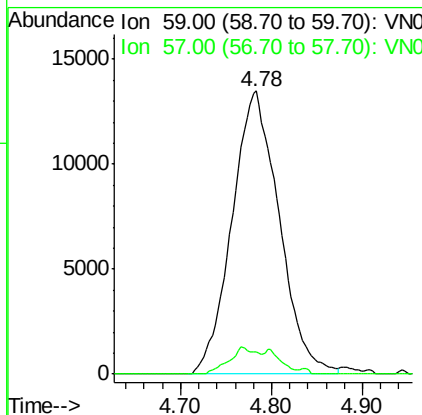
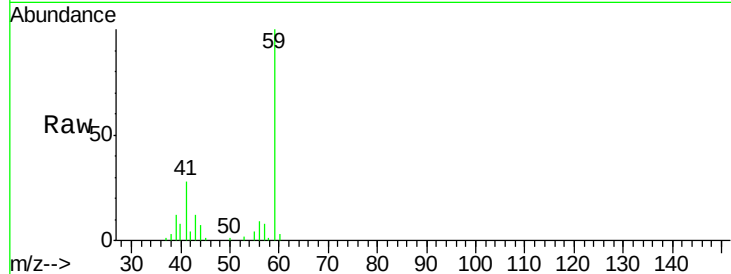
Tert butyl alcohol
 Concen: 92.541 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.0	12.0#

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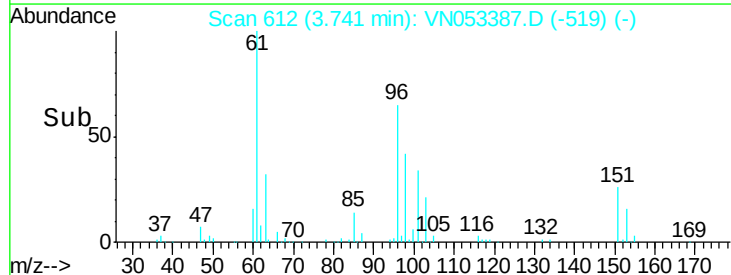
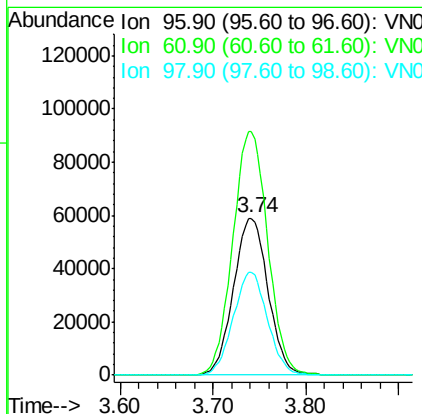
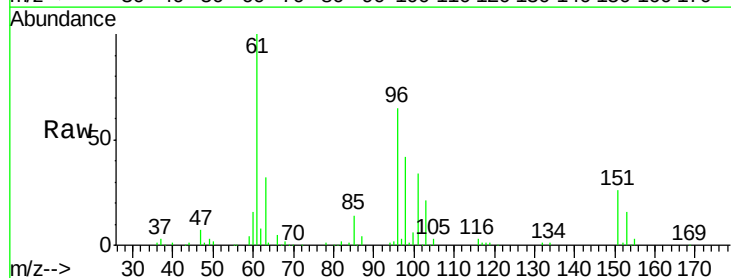
MMDadoda
 1/15/2019 11:14:25 AM

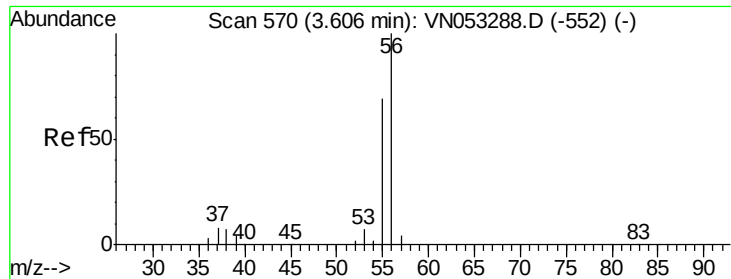


#12

1,1-Dichloroethene
 Concen: 19.581 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	123.2	184.8
98	65.4	50.5	75.7





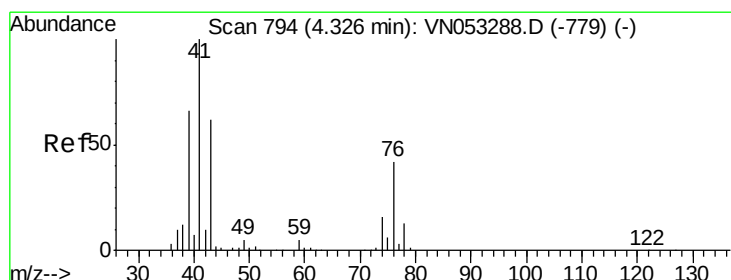
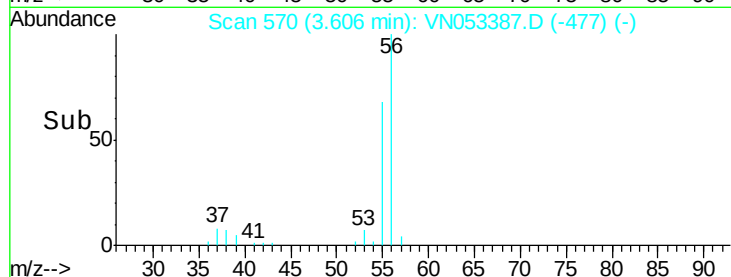
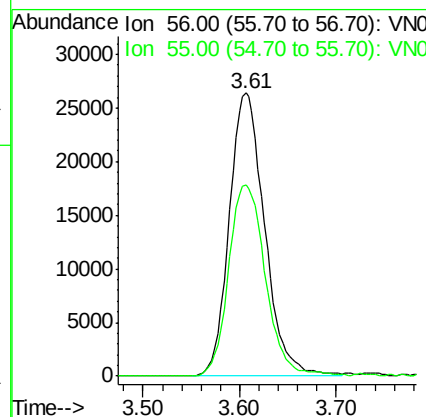
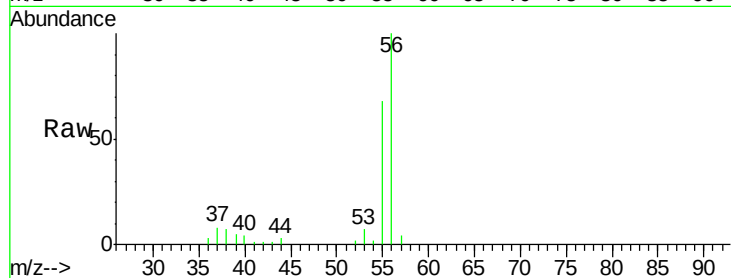
#13
Acrolein
Concen: 101.708 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	56	55	Ratio	Lower	Upper
67108	100	70.4		56.3	84.5

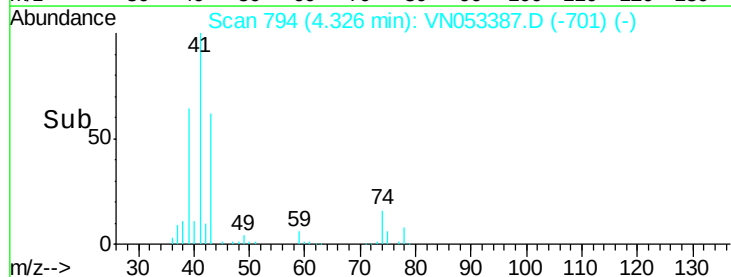
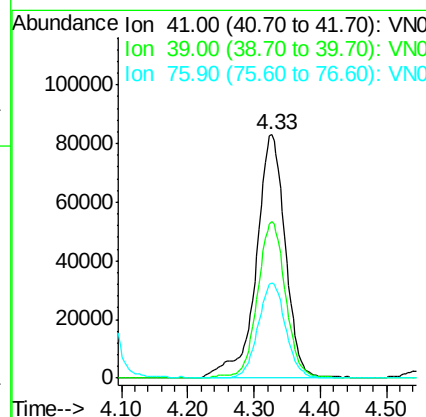
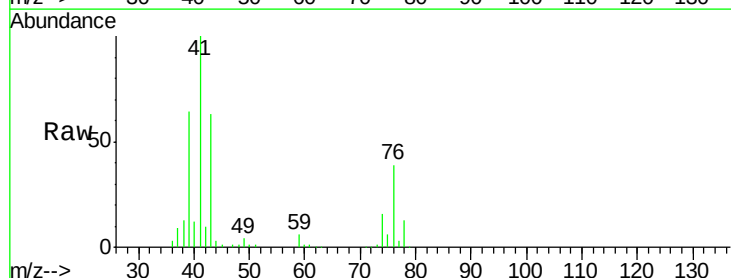
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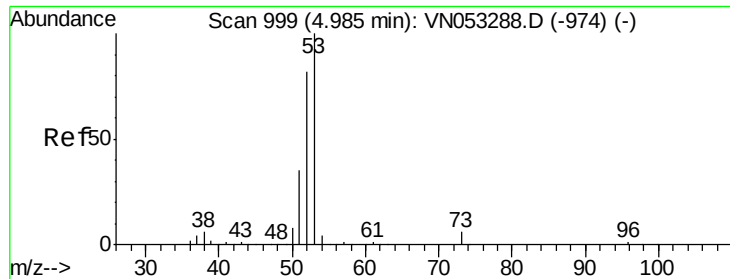
MMDadoda
1/15/2019 11:14:25 AM



#14
Allyl chloride
Concen: 20.112 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	41	39	76	Ratio	Lower	Upper
253650	100	61.9	36.9		51.9	77.9
					31.2	46.8





#15

Acrylonitrile

Concen: 98.702 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

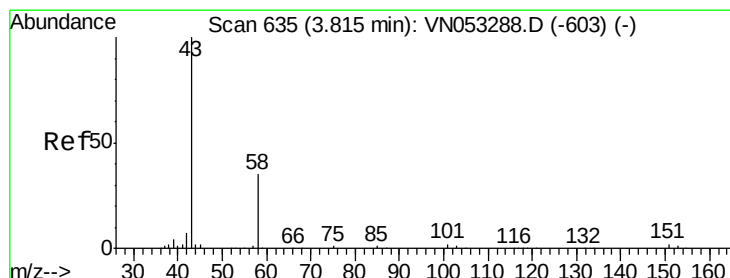
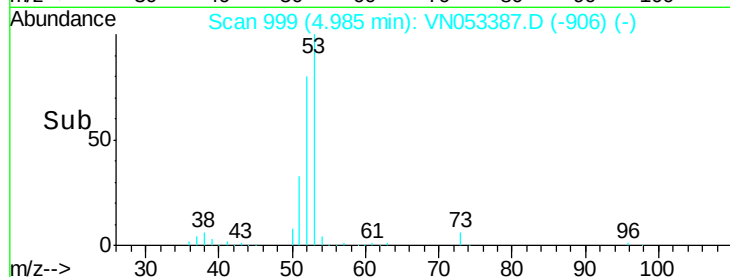
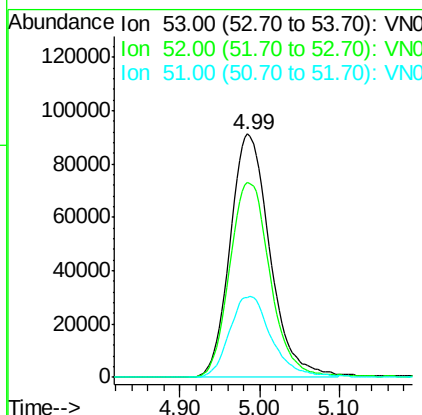
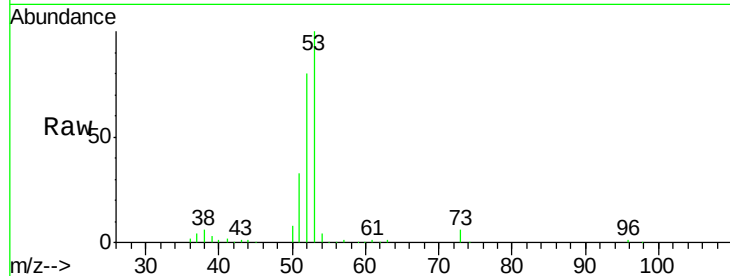
ClientSampleId :

VN0114WBSD01

Tot Ion:	53	Resp:	309199
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.2	97.8
51	35.2	28.0	42.0

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#16

Acetone

Concen: 95.135 ug/l

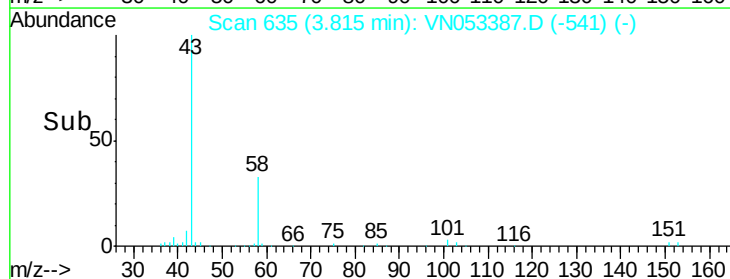
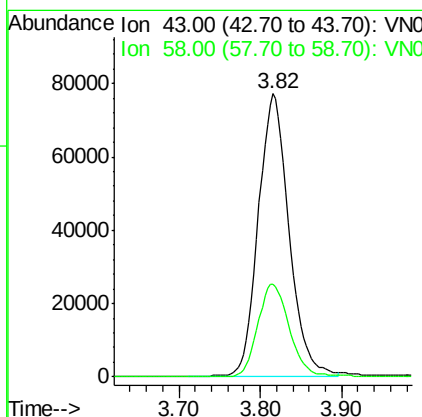
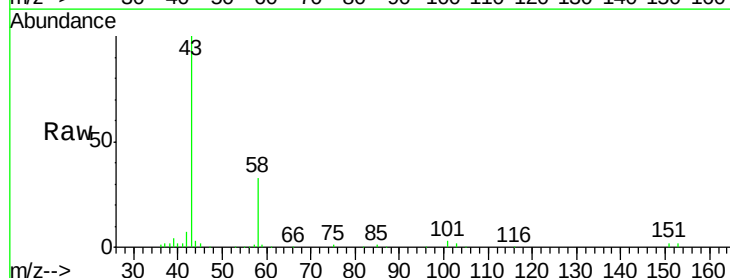
RT: 3.82 min Scan# 635

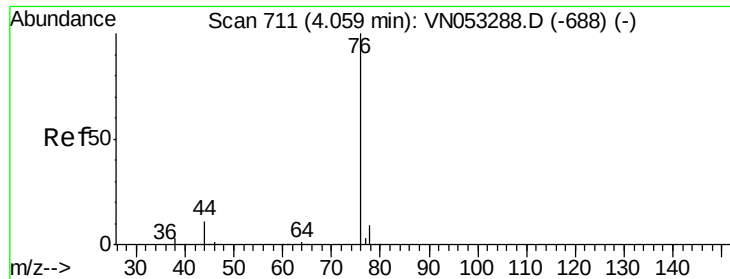
Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Tgt Ion:	43	Resp:	202670
Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.8	41.6





#17

Carbon Disulfide

Concen: 17.126 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0114WBSD01

Tot Ion: 76 Resp: 413141

Ion Ratio Lower Upper

76 100

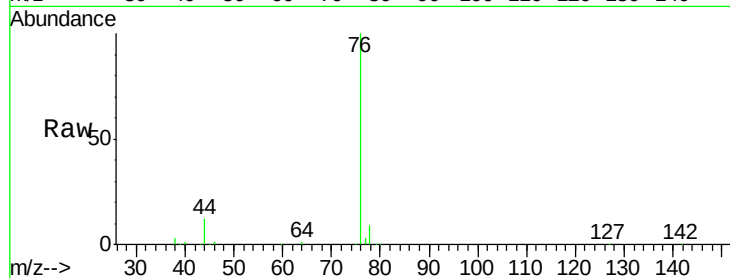
78 8.7 7.2 10.8

Manual Integrations

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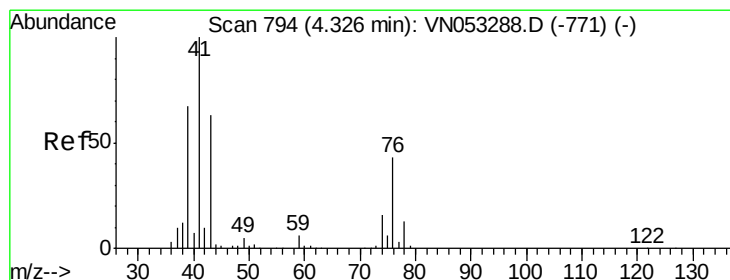
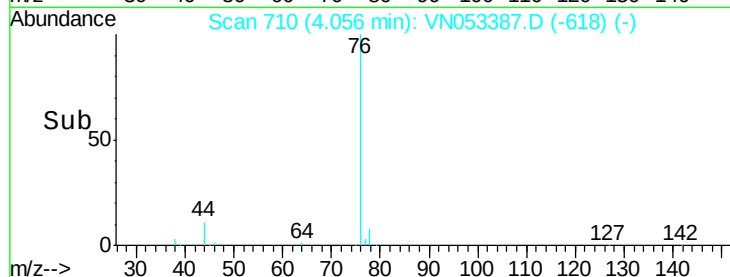
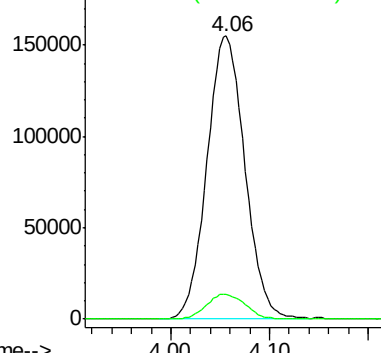
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 19.168 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053387.D

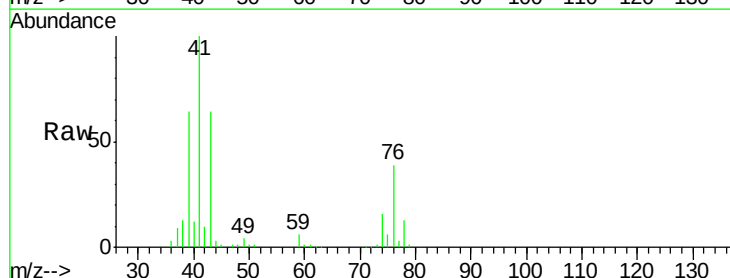
Acq: 14 Jan 2019 13:17

Tgt Ion: 43 Resp: 151354

Ion Ratio Lower Upper

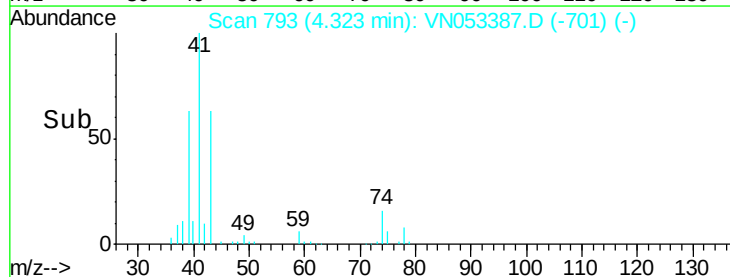
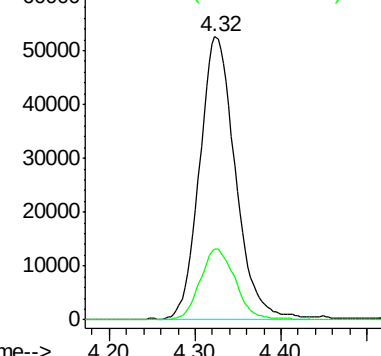
43 100

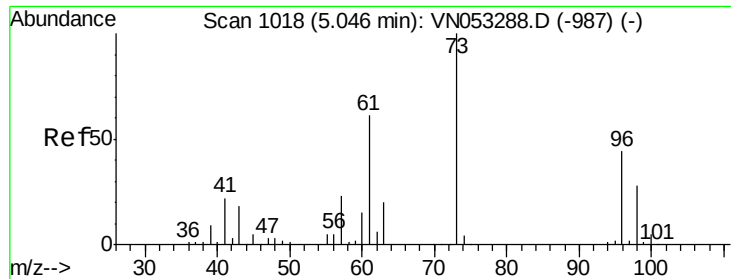
74 24.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





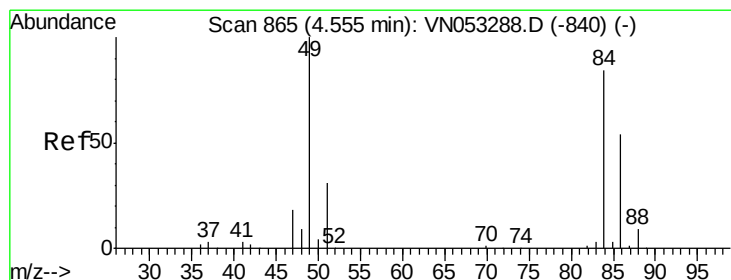
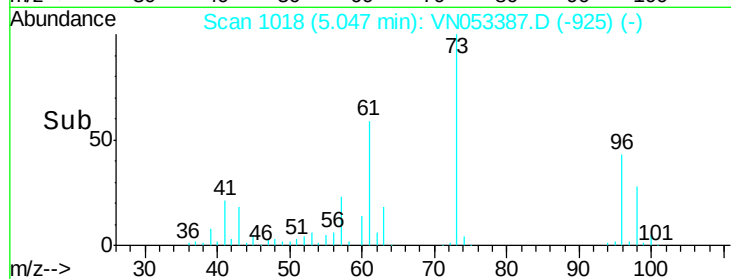
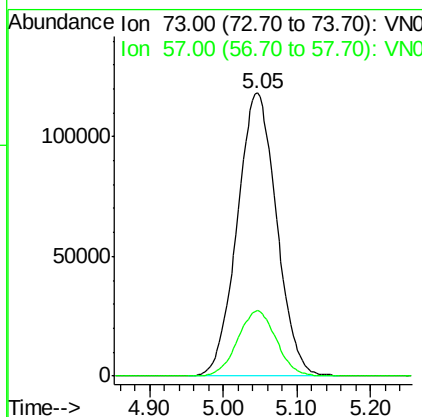
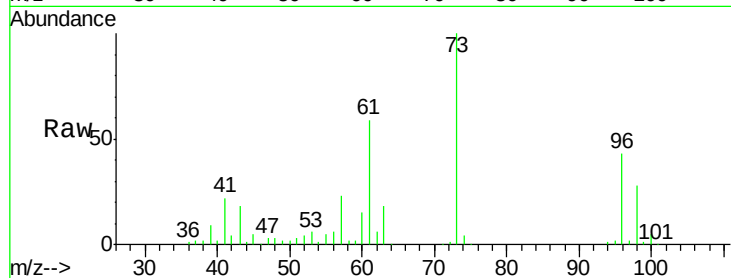
#19
Methyl tert-butyl Ether
Concen: 20.008 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0114WBSD01

Tot Ion: 73 Resp: 439384
Ion Ratio Lower Upper
73 100
57 23.0 18.5 27.7

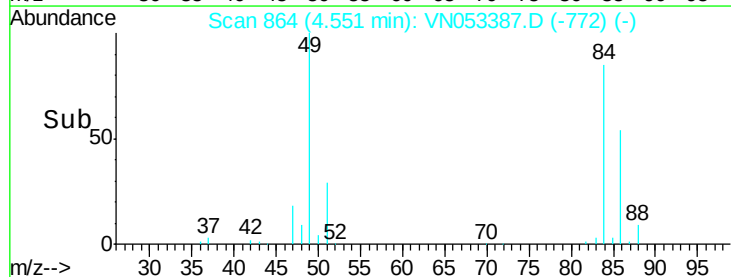
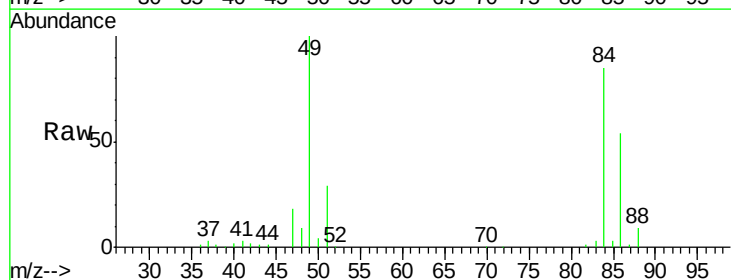
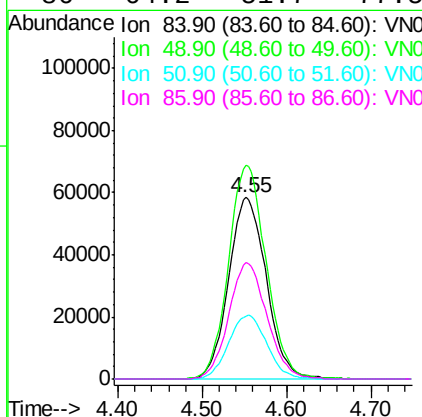
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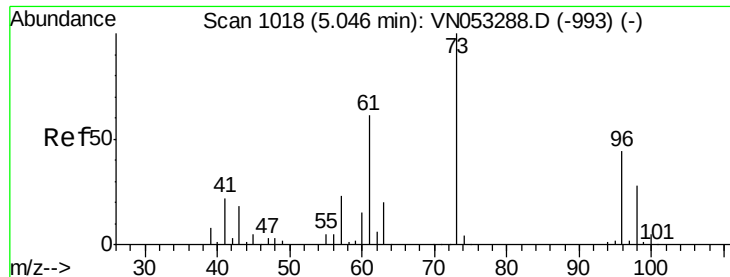
MMDadoda
1/15/2019 11:14:25 AM



#20
Methylene Chloride
Concen: 19.380 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion: 84 Resp: 181599
Ion Ratio Lower Upper
84 100
49 117.5 95.3 142.9
51 34.8 29.0 43.6
86 64.2 51.7 77.5





#21

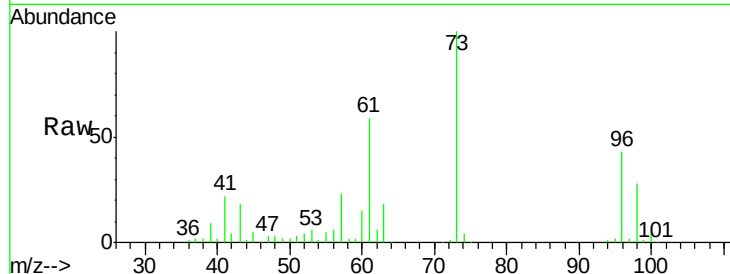
trans-1,2-Dichloroethene
Concen: 19.800 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	110.2	165.4
98	64.1	50.7	76.1

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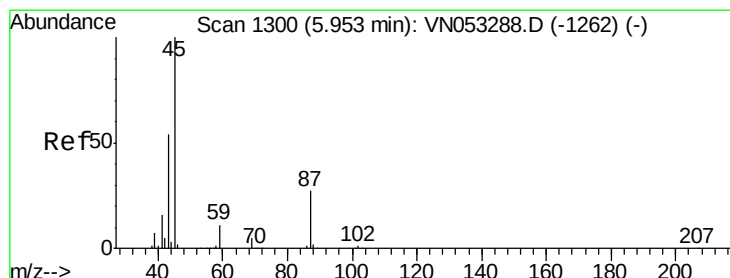
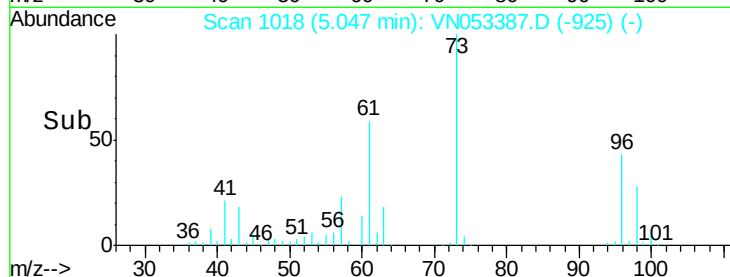
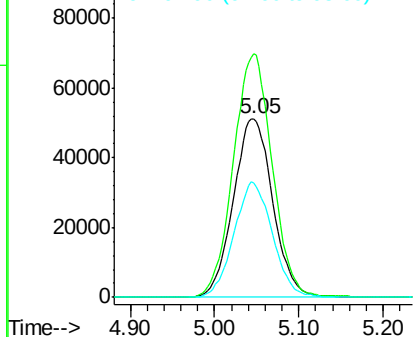


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 20.479 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	43.0	64.6
87	28.5	22.1	33.1
59	11.8	9.0	13.4

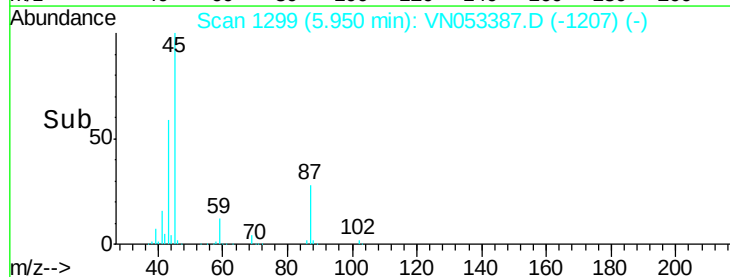
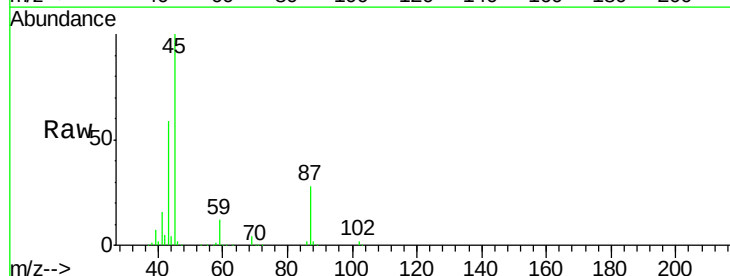
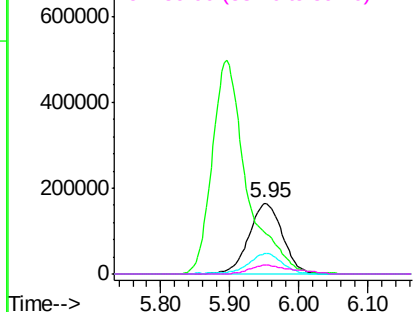
Abundance

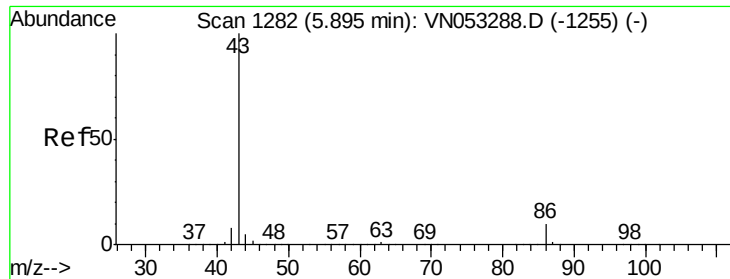
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





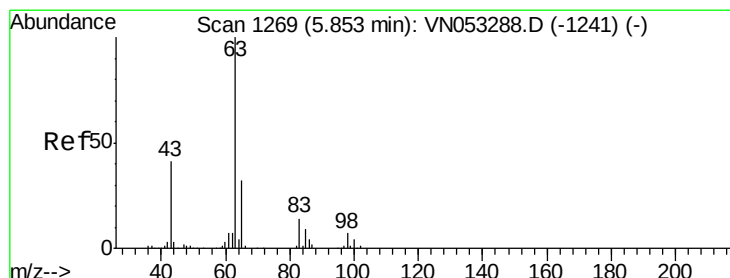
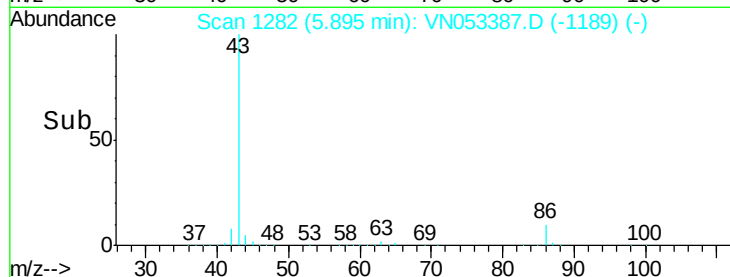
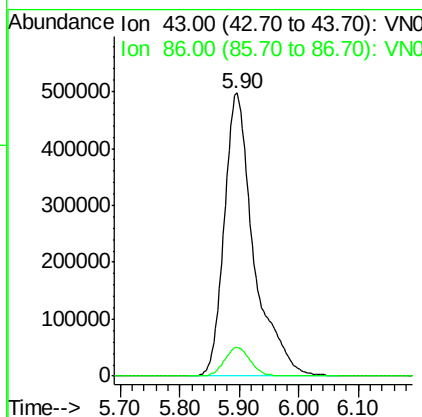
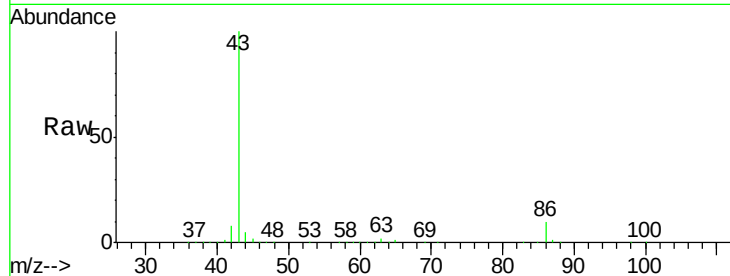
#23
 Vinyl Acetate
 Concen: 100.533 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion: 43 Resp: 1718612
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.4 12.6

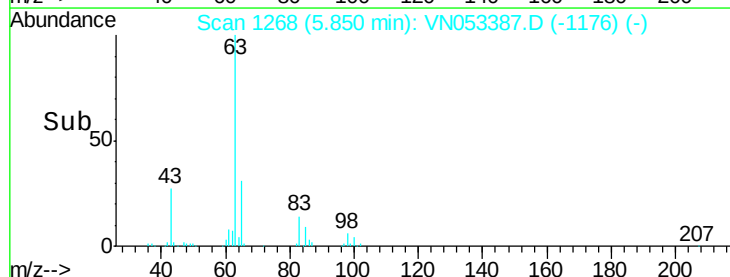
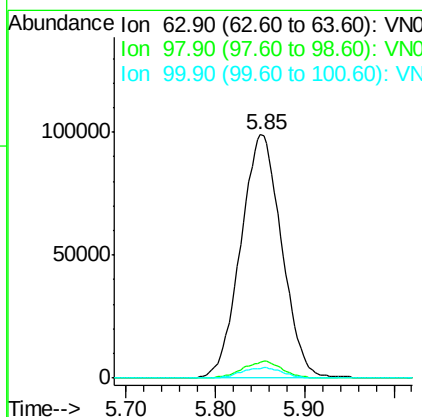
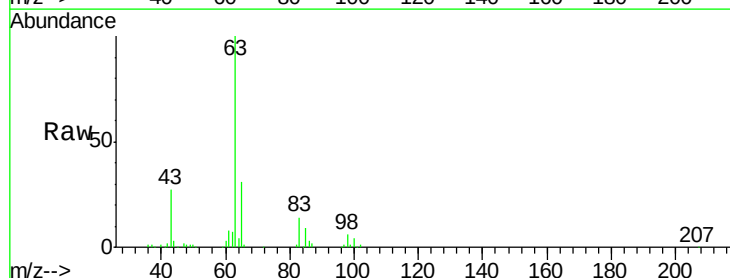
Manual Integrations
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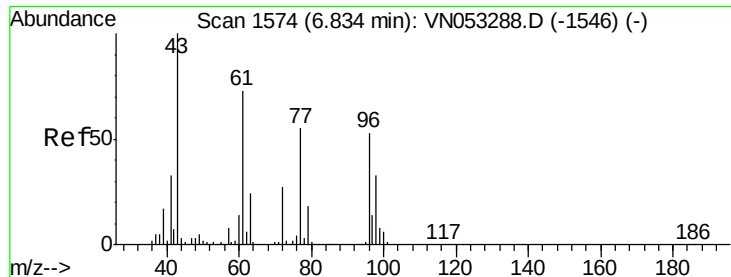
MMDadoda
 1/15/2019 11:14:25 AM



#24
 1,1-Dichloroethane
 Concen: 20.182 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion: 63 Resp: 316240
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.1 2.1 6.5





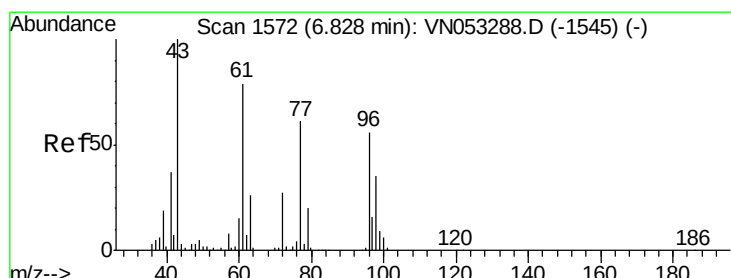
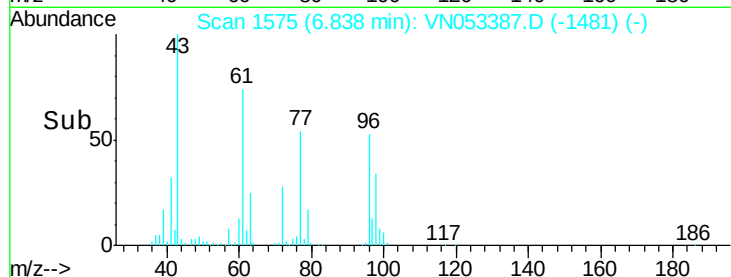
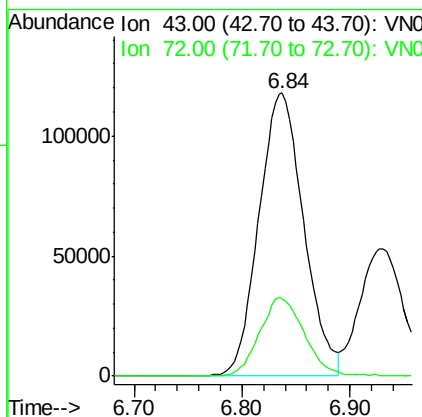
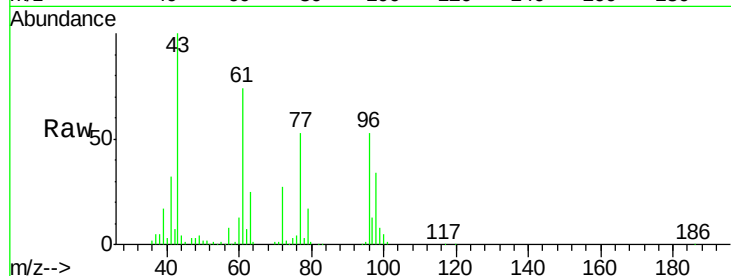
#25
 2-Butanone
 Concen: 94.870 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0114WBSD01

Tot Ion: 43 Resp: 339578
 Ion Ratio Lower Upper
 43 100
 72 27.5 22.0 33.0

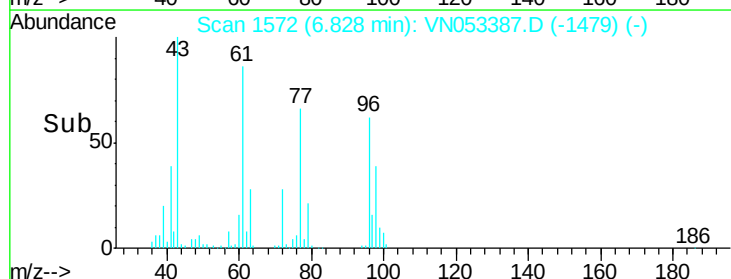
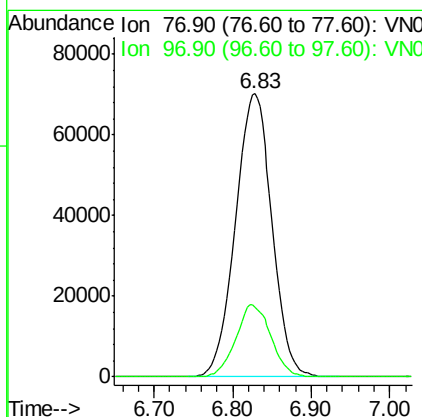
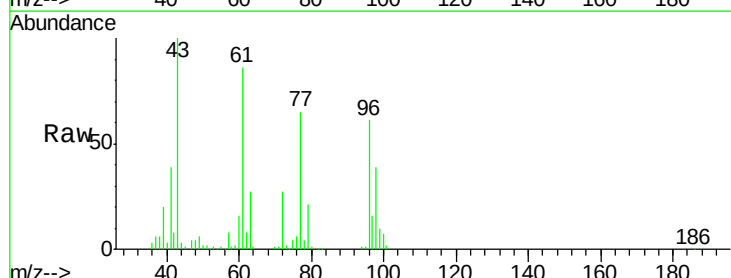
Manual Integrations
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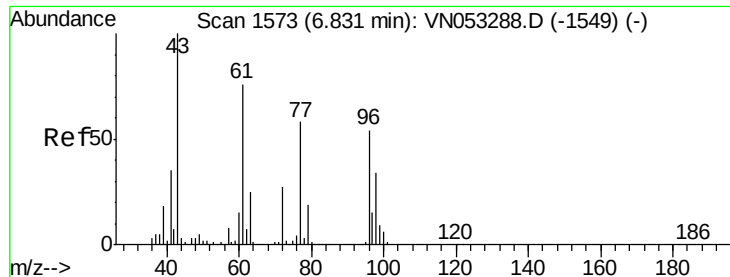
MMDadoda
 1/15/2019 11:14:25 AM



#26
 2,2-Dichloropropane
 Concen: 19.909 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion: 77 Resp: 228050
 Ion Ratio Lower Upper
 77 100
 97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 20.271 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

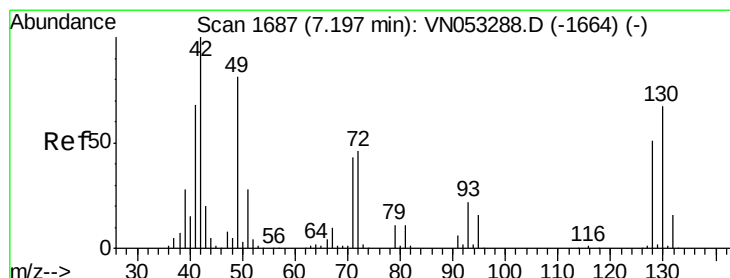
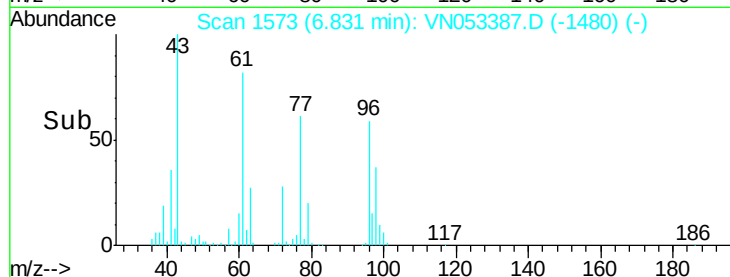
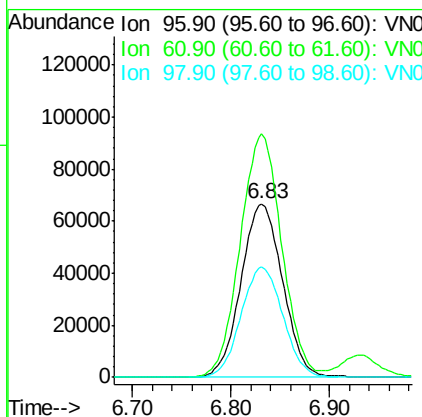
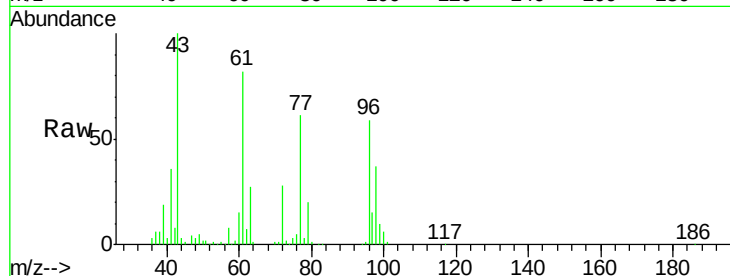
ClientSampleId :

VN0114WBSD01

Tot Ion:	96	Resp:	194485
Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	280.6
98	64.0	0.0	127.6

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#28

Bromochloromethane

Concen: 20.627 ug/l

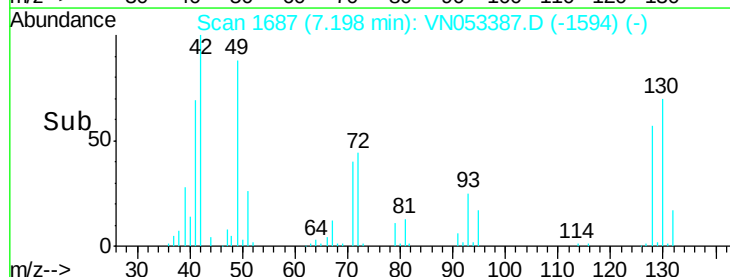
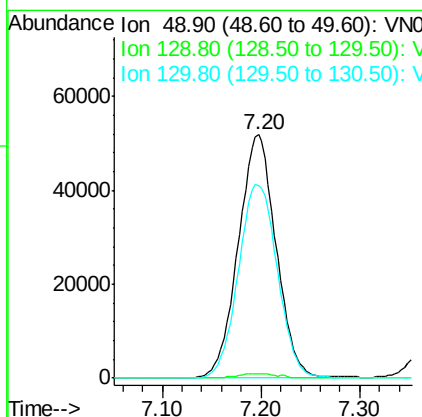
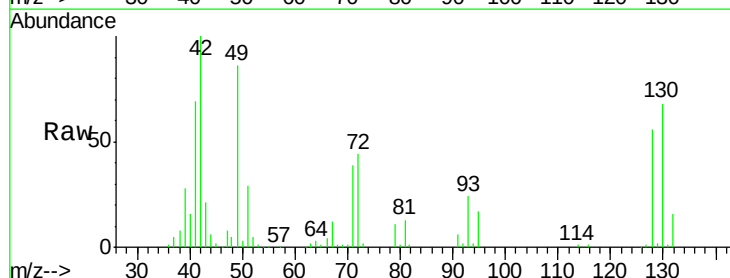
RT: 7.20 min Scan# 1687

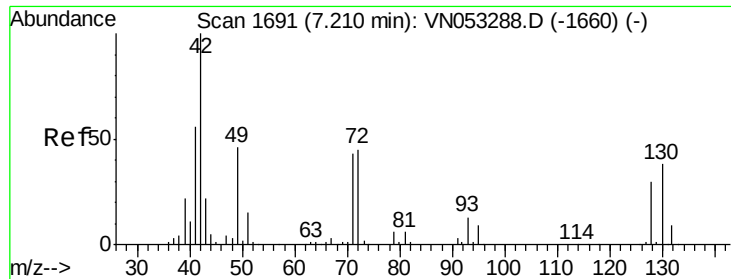
Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Tgt Ion:	49	Resp:	137738
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	82.4	65.4	98.0





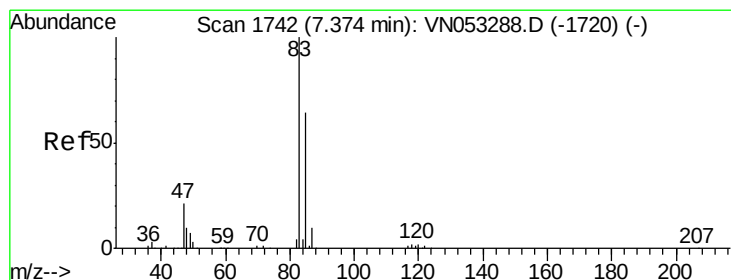
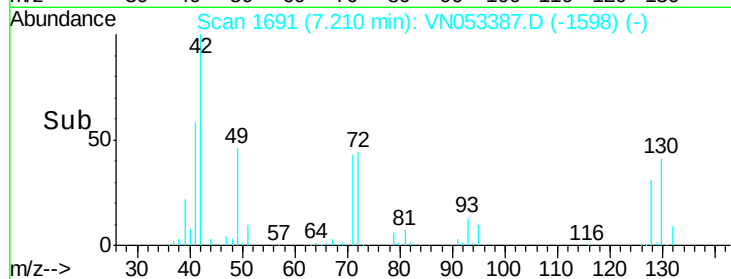
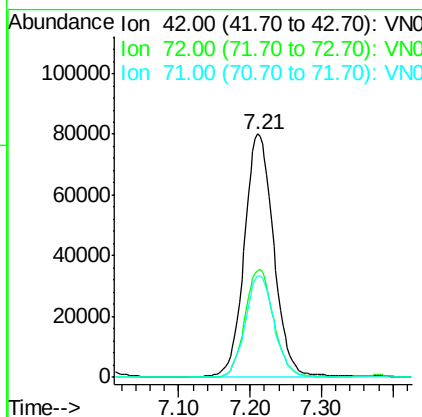
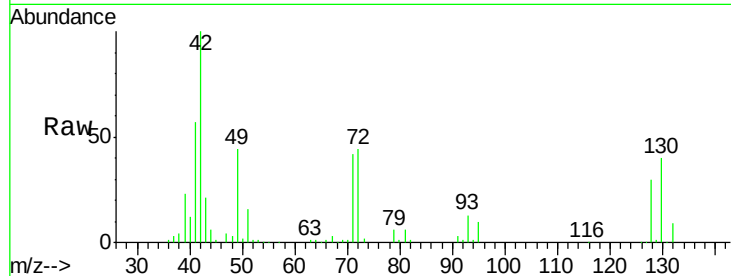
#29
Tetrahydrofuran
Concen: 97.417 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.6	53.4
71	40.8	33.8	50.8

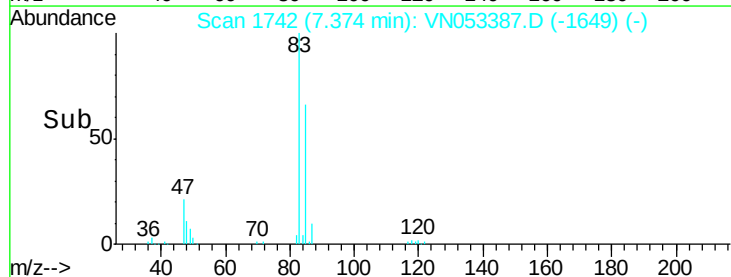
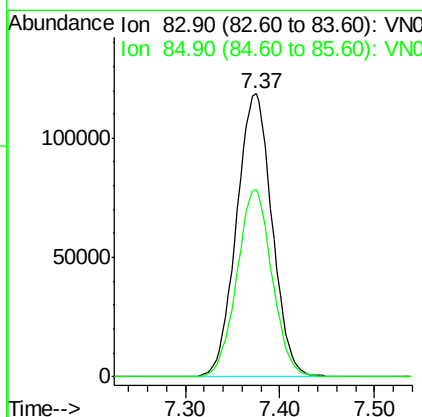
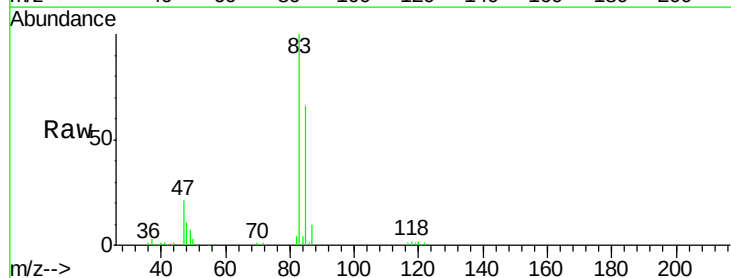
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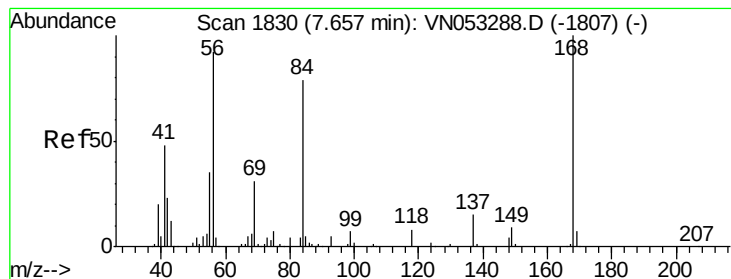
MMDadoda
1/15/2019 11:14:25 AM



#30
Chloroform
Concen: 20.074 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.3	76.9





#31

Cyclohexane

Concen: 20.018 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

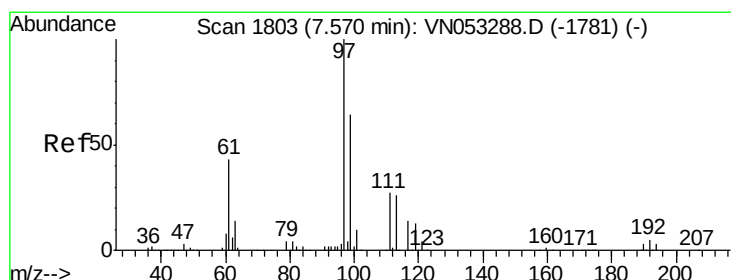
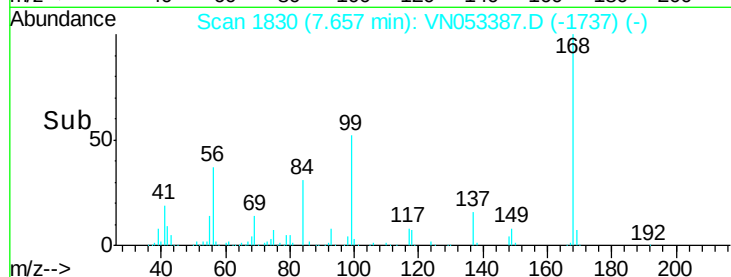
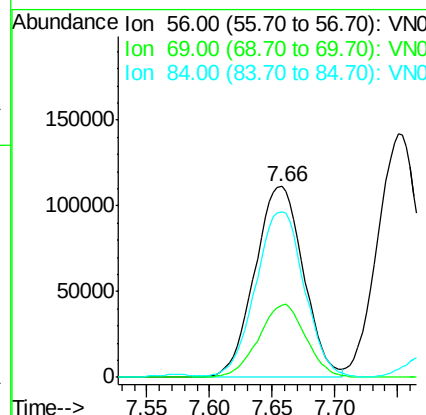
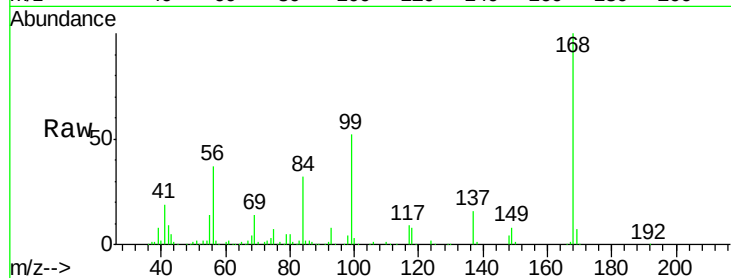
ClientSampled :

VN0114WBSD01

Tot Ion	56	Resp	299813
Ion Ratio	Lower	Upper	
56	100		
69	37.9	26.7	40.1
84	86.0	68.2	102.4

Manual Integrations
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1/15/2019 11:14:25 AM



#32

1,1,1-Trichloroethane

Concen: 20.113 ug/l

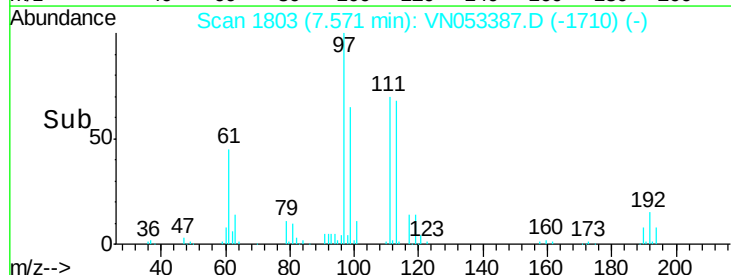
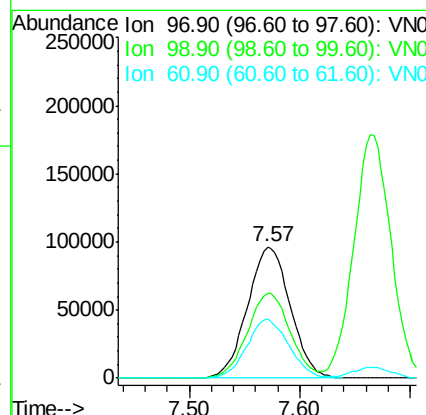
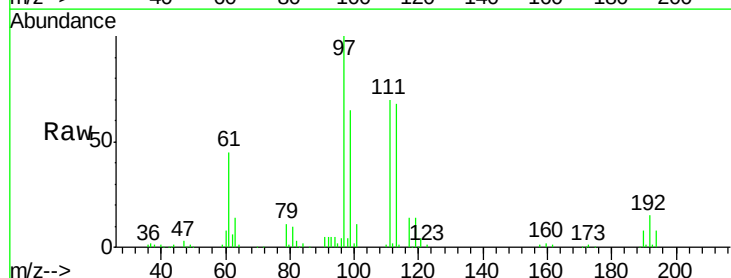
RT: 7.57 min Scan# 1803

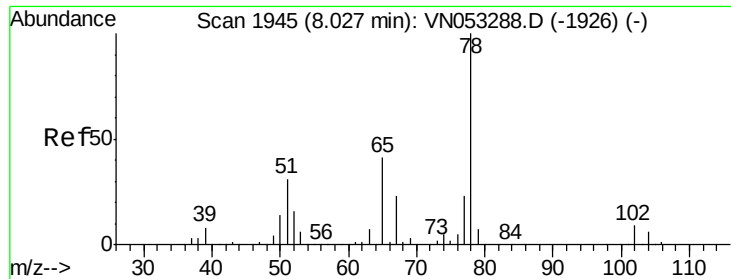
Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Tgt Ion	97	Resp	258501
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.6	77.4
61	44.2	34.6	52.0





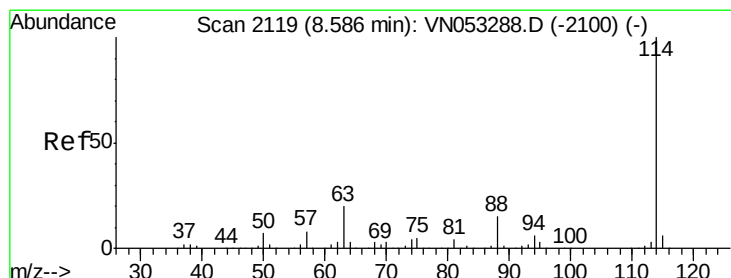
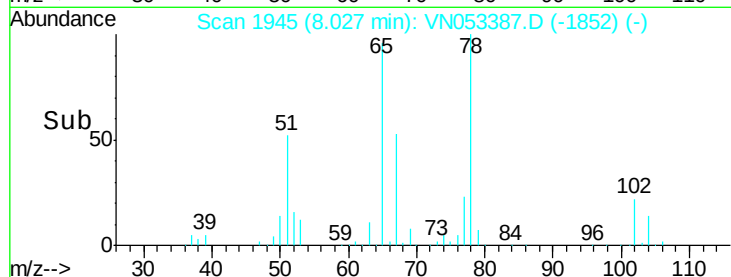
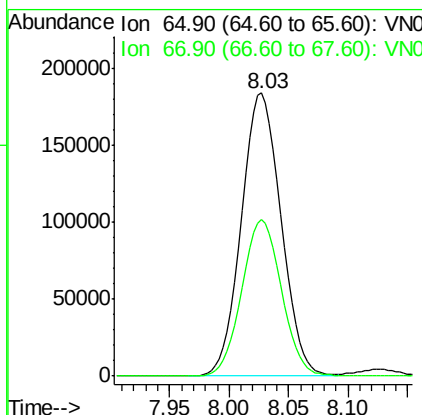
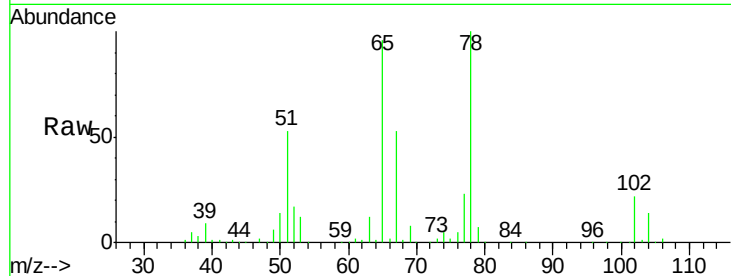
#33
 1,2-Dichloroethane-d4
 Concen: 20.113 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.3	0.0		111.0

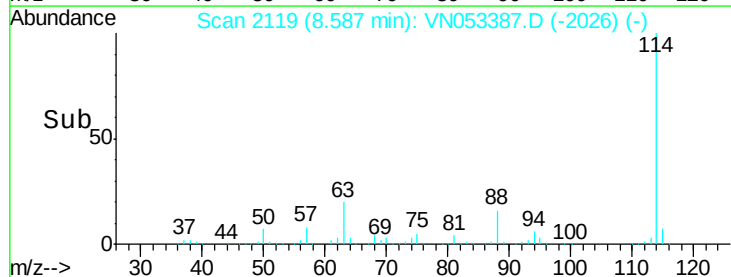
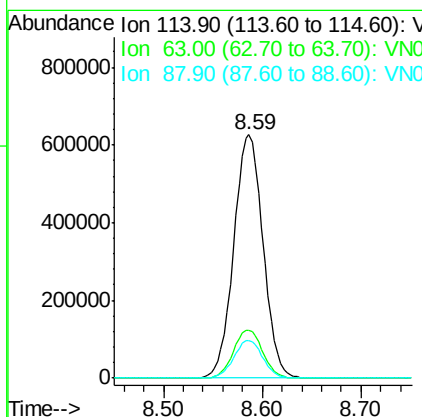
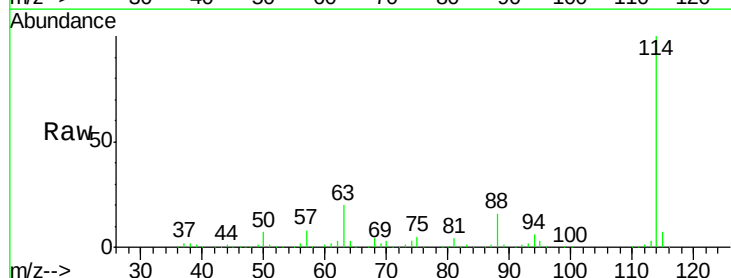
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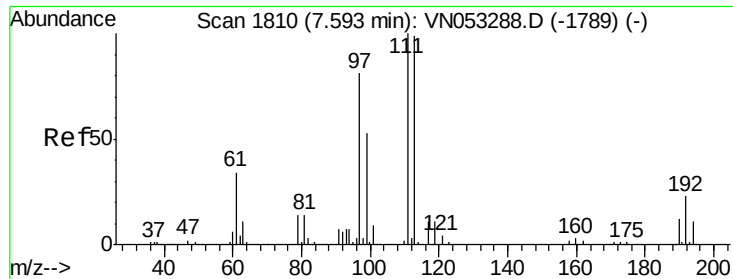
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 1/15/2019 11:14:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0		39.0
88	15.7	0.0		30.8





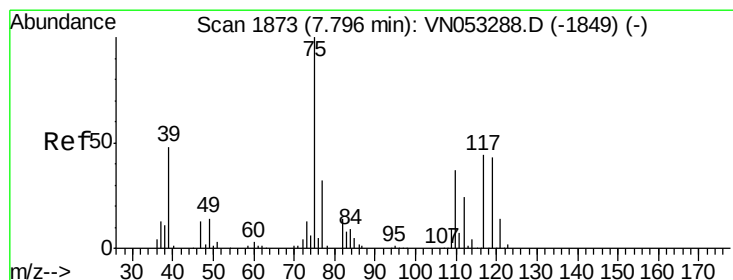
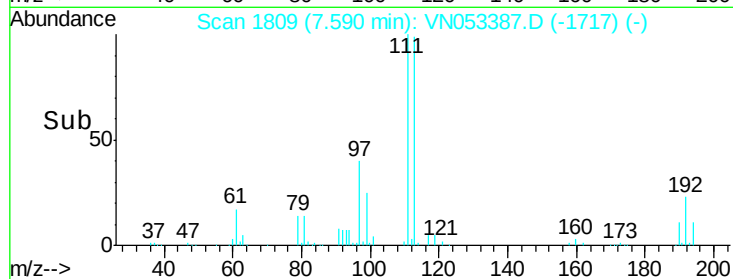
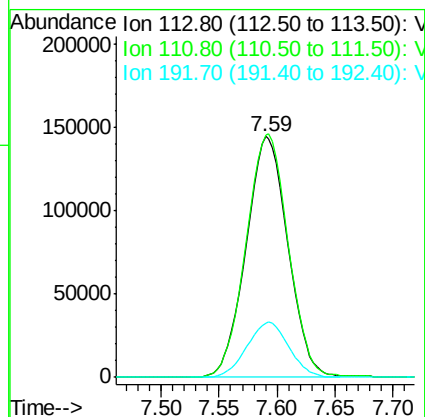
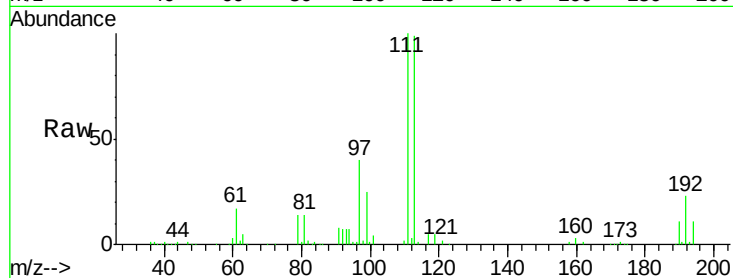
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	362577		
111	102.6	81.4	122.2	
192	22.9	17.9	26.9	

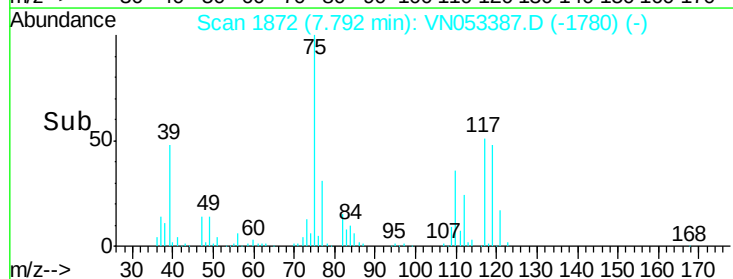
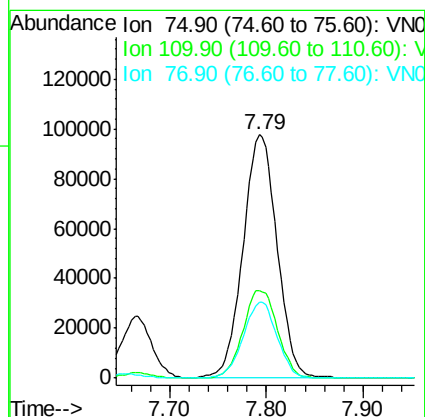
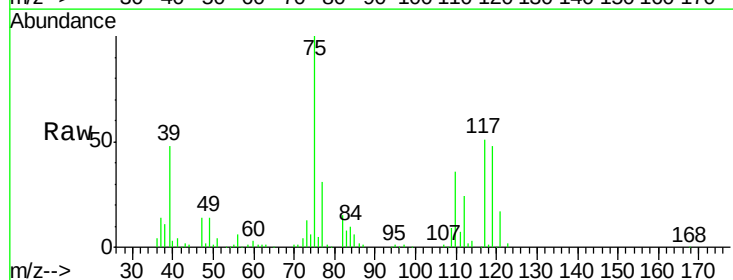
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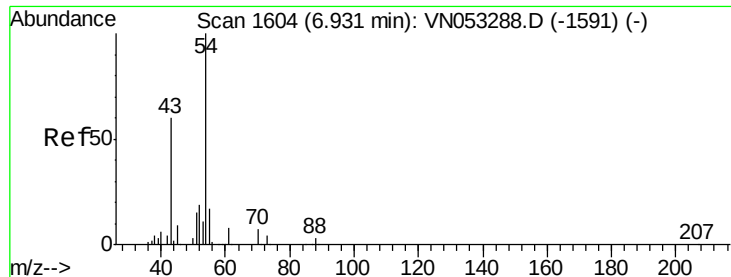
MMDadoda
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#36
1,1-Dichloropropene
Concen: 19.697 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	237642		
110	36.7	18.4	55.0	
77	31.3	25.3	37.9	





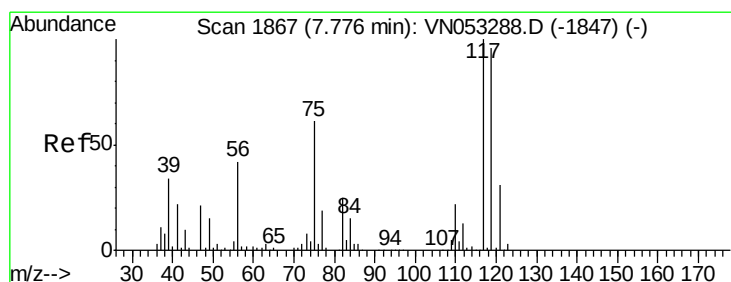
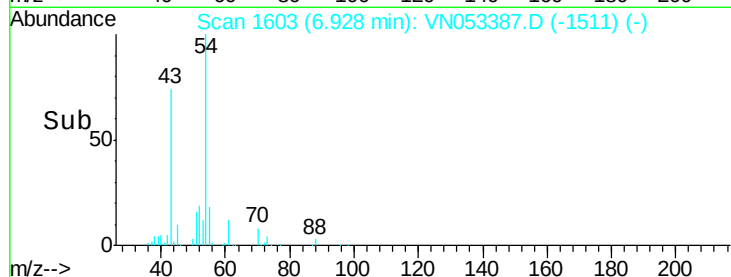
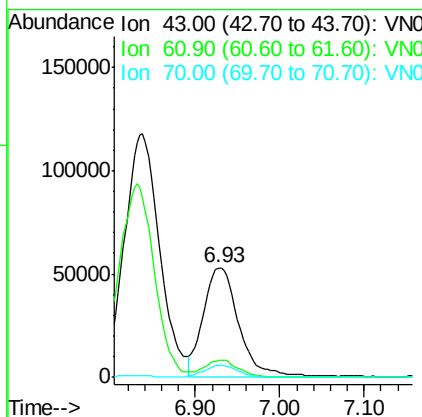
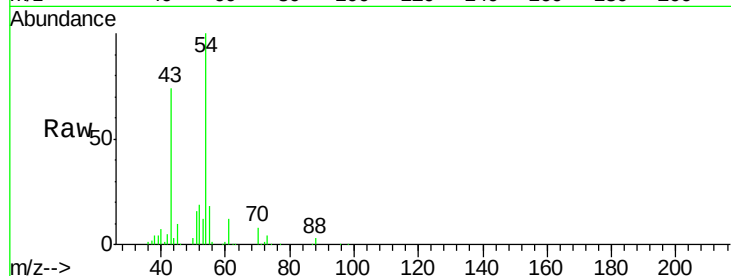
#37
Ethyl Acetate
Concen: 19.588 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0114WBSD01

Tot Ion	43	61	70
Resp	153930		
Ratio	100	14.7	10.6
Lower		11.9	8.6
Upper		17.9	13.0

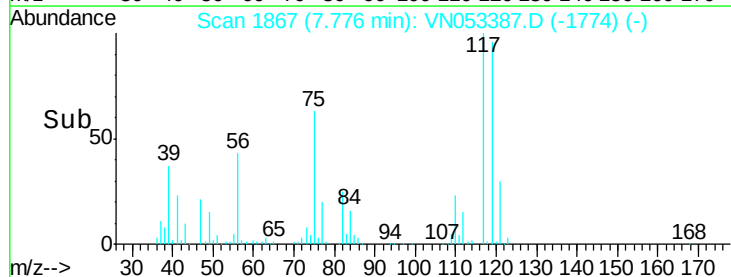
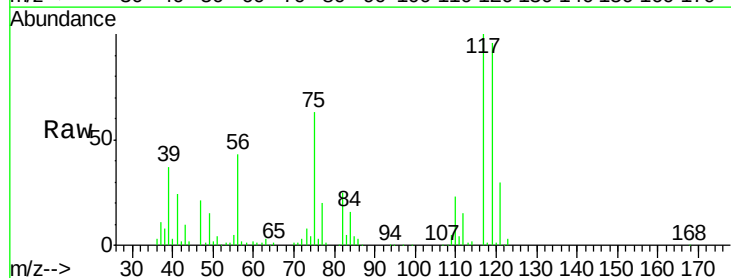
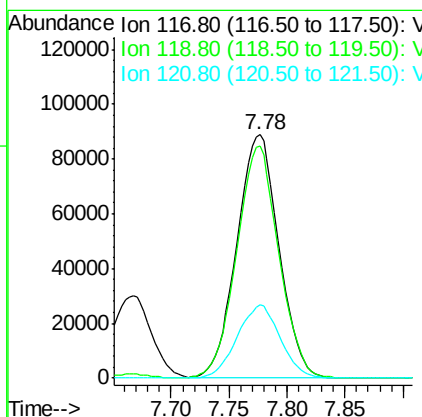
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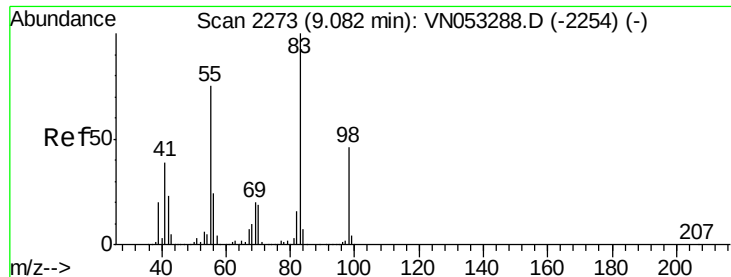
MMDadoda
1/15/2019 11:14:25 AM



#38
Carbon Tetrachloride
Concen: 20.197 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	117	119	121
Resp	224908		
Ratio	100	95.3	30.1
Lower		76.6	25.0
Upper		115.0	37.4





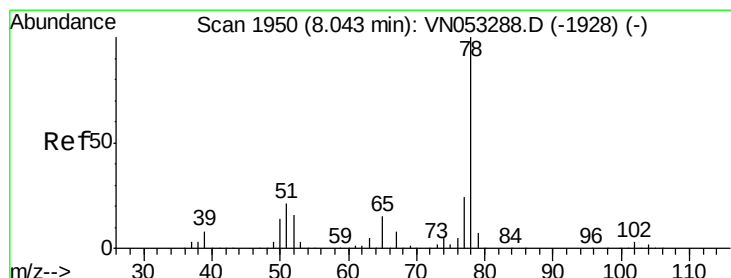
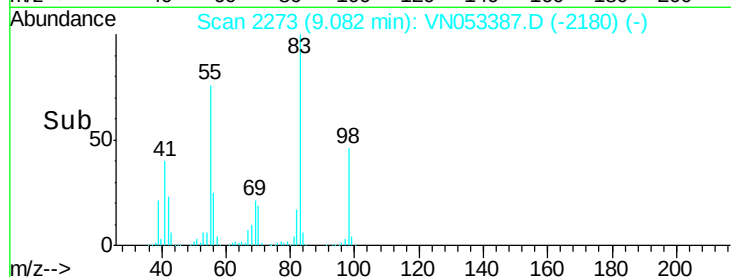
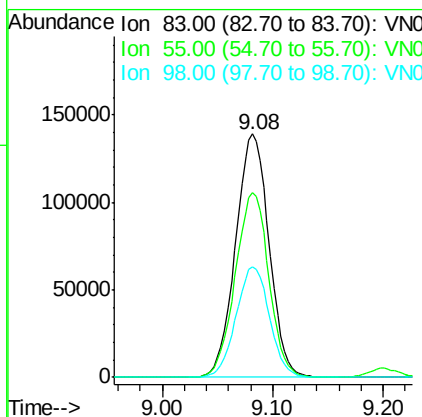
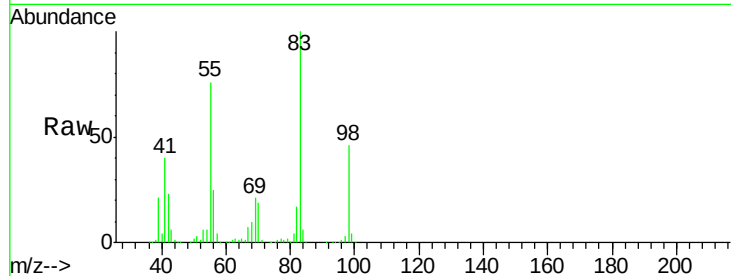
#39
Methylvlcyclohexane
Concen: 20.877 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	291805		
55	75.8		60.1	90.1
98	45.6		36.7	55.1

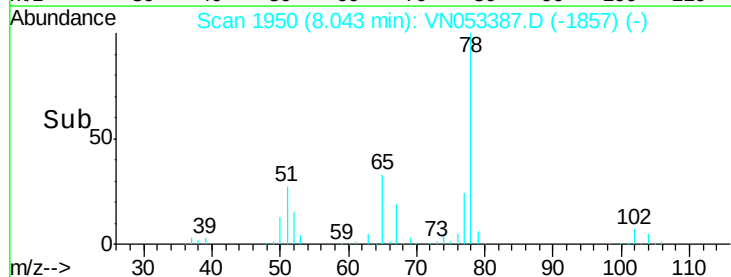
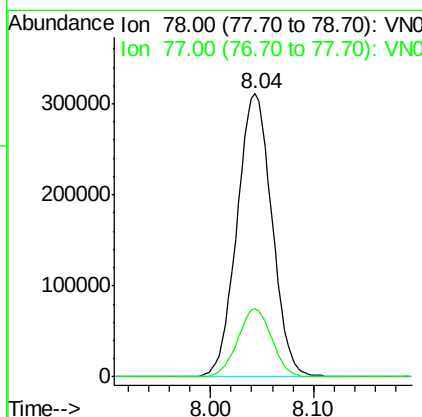
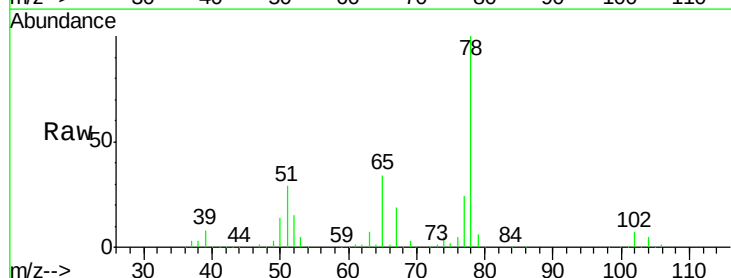
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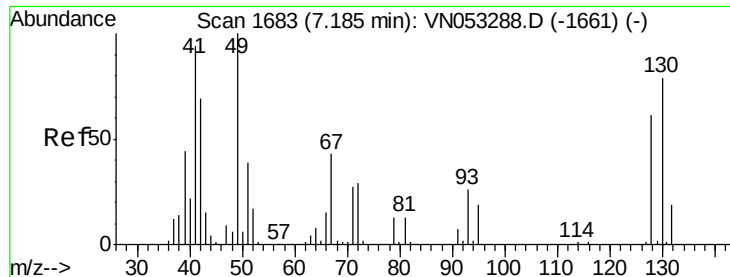
MMDadoda
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#40
Benzene
Concen: 19.878 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	732559		
77	24.2		19.0	28.4





#41

Methacrylonitrile

Concen: 17.703 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0114WBSD01

Tot Ion: 41 Resp: 86368

Ion Ratio Lower Upper

41 100

39 63.9 0.0 0.0#

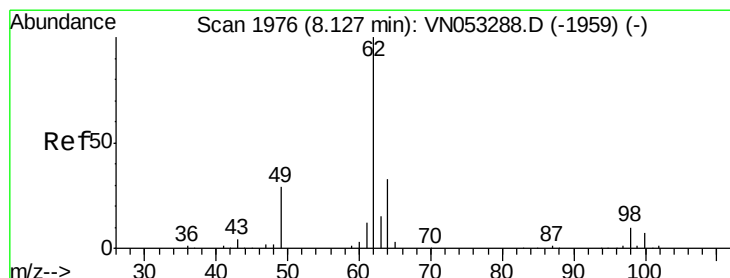
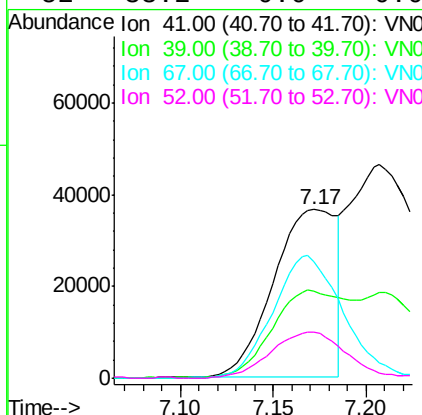
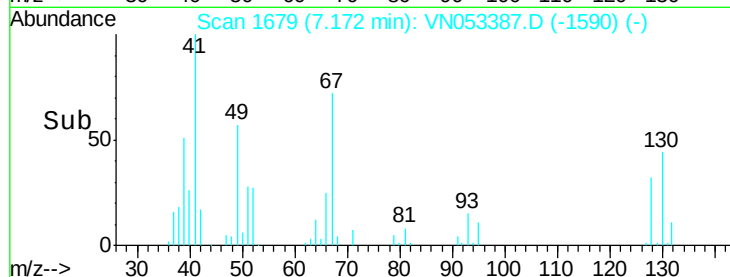
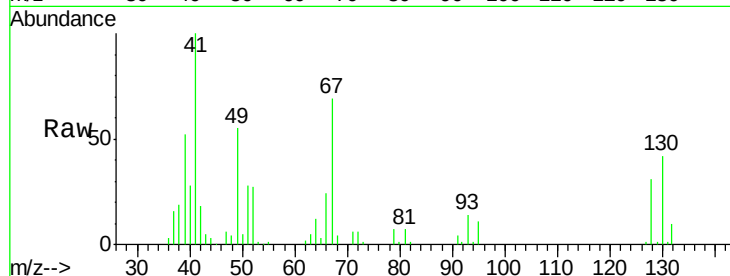
67 82.7 0.0 0.0#

52 33.2 0.0 0.0#

Manual Integrations
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1/15/2019 11:14:25 AM



#42

1,2-Dichloroethane

Concen: 20.100 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN053387.D

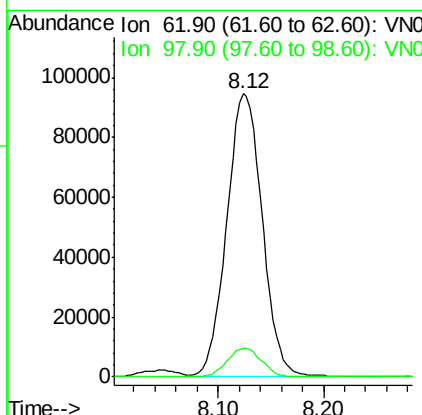
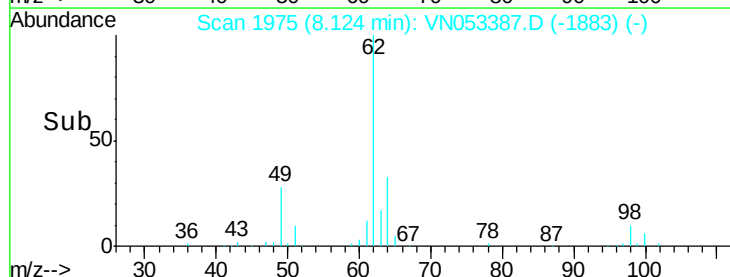
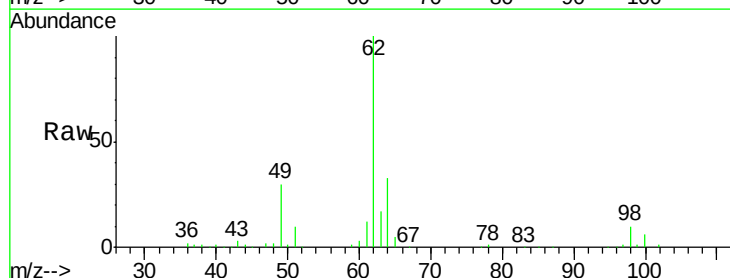
Acq: 14 Jan 2019 13:17

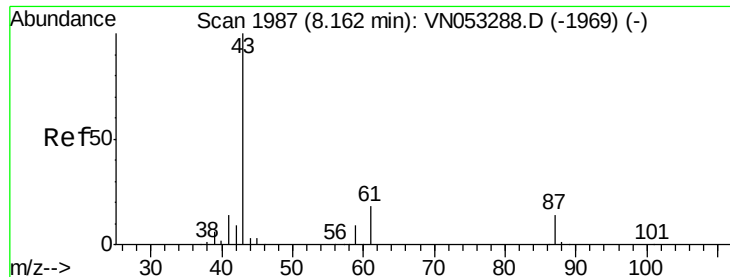
Tgt Ion: 62 Resp: 219725

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.2





#43

Isopropyl Acetate

Concen: 17.737 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

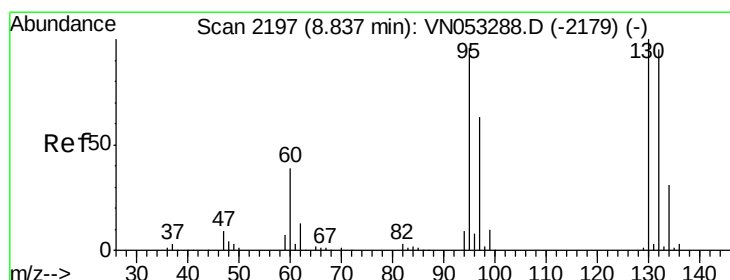
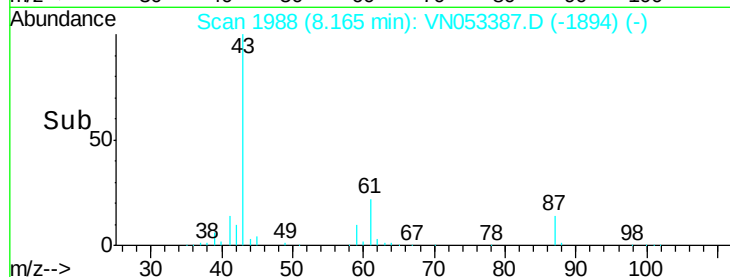
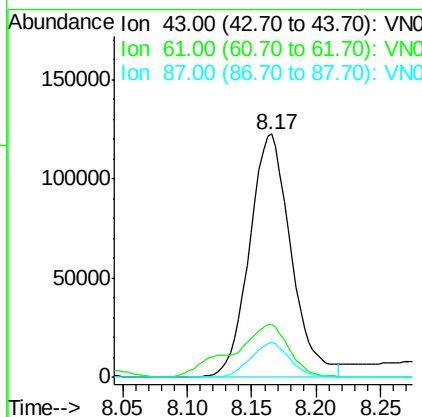
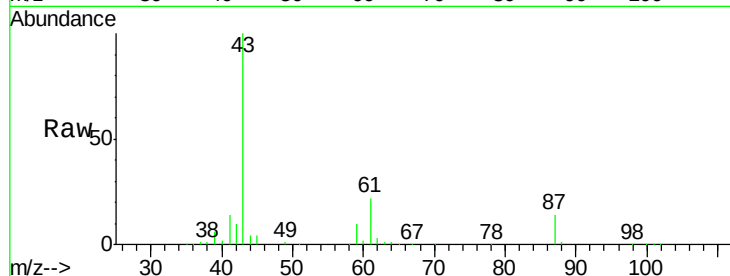
ClientSampleId :

VN0114WBSD01

Tot Ion:	43	Resp:	274206
Ion	Ratio	Lower	Upper
43	100		
61	30.1	23.3	34.9
87	13.6	10.8	16.2

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#44

Trichloroethene

Concen: 19.960 ug/l

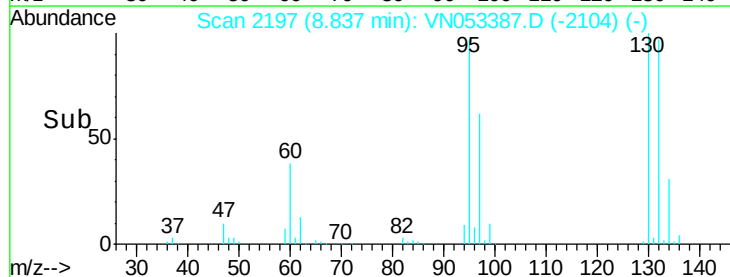
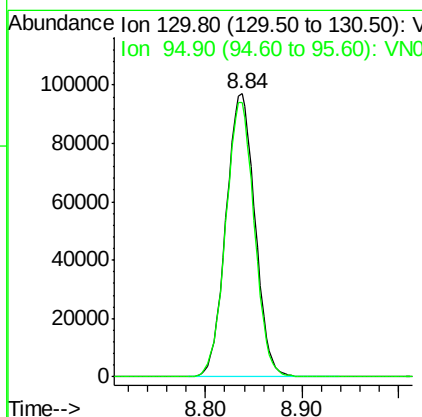
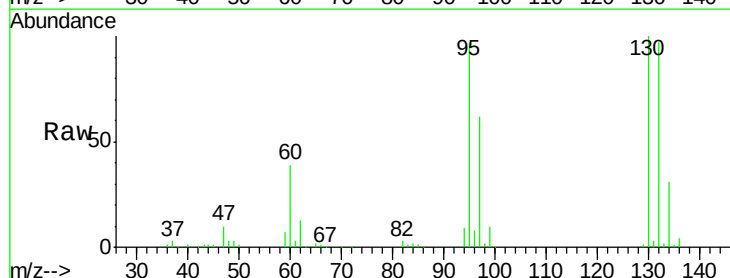
RT: 8.84 min Scan# 2197

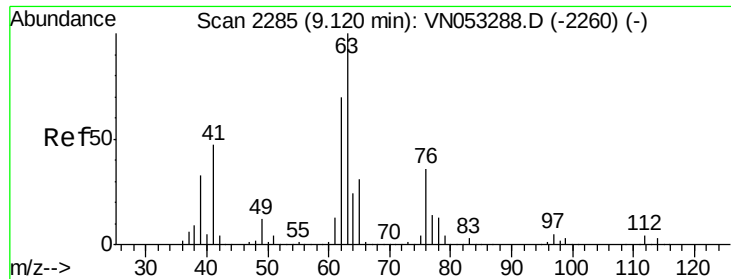
Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Tgt Ion:	130	Resp:	201980
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	191.8





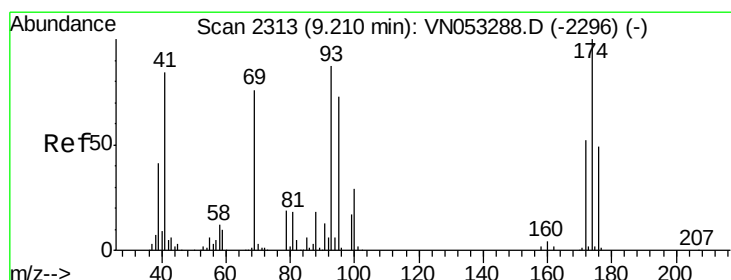
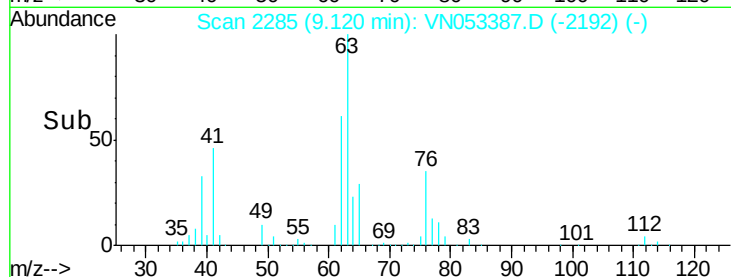
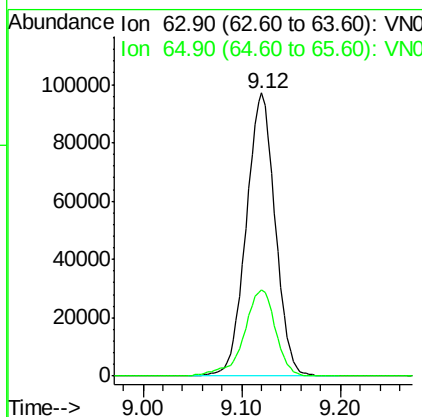
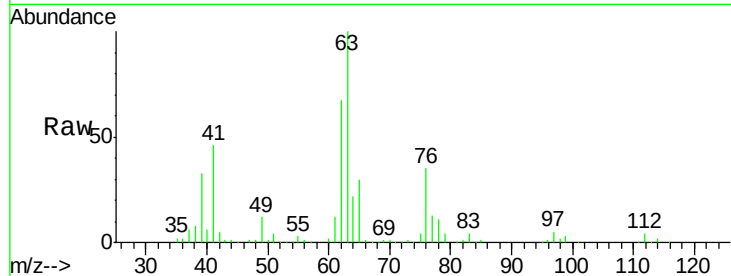
#45
 1,2-Dichloropropane
 Concen: 20.333 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0114WBSD01

Tot Ion: 63 Resp: 196529
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

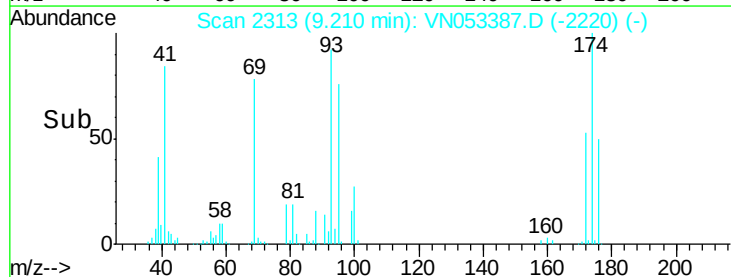
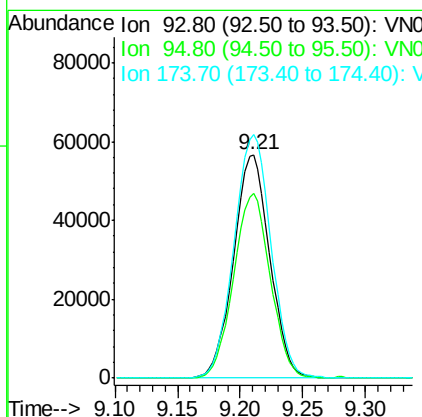
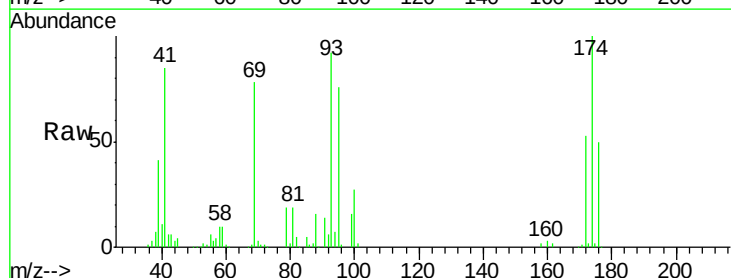
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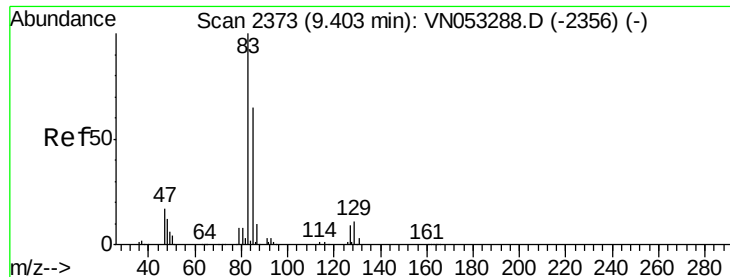
MMDadoda
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#46
 Dibromomethane
 Concen: 20.196 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion: 93 Resp: 113818
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 100.0
 174 111.6 91.4 137.0





#47

Bromodichloromethane

Concen: 19.846 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

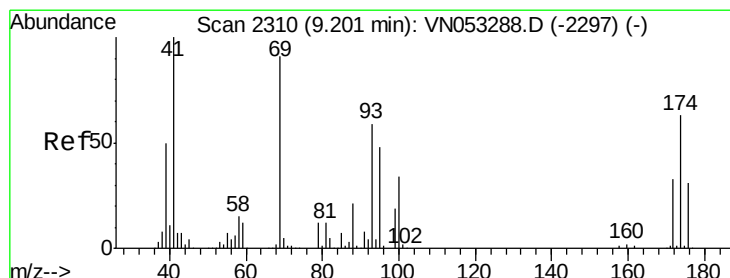
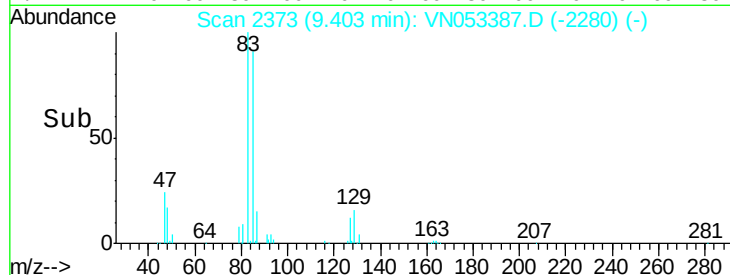
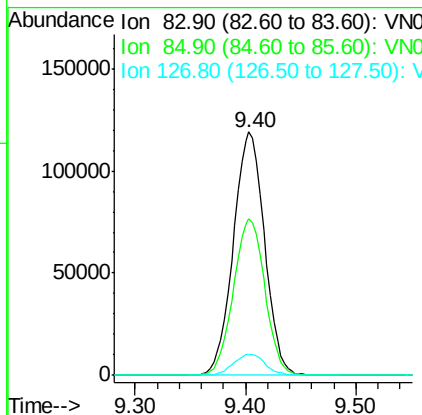
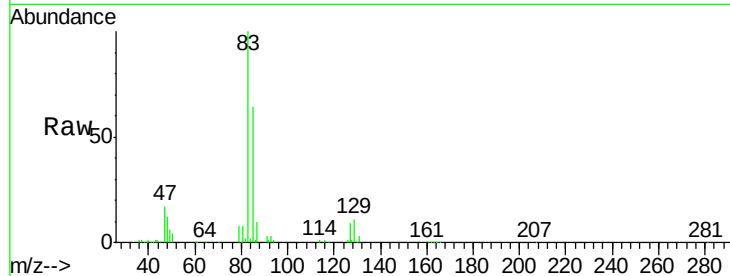
ClientSampleId :

VN0114WBSD01

Tot Ion:	83	Resp:	233087
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.7	77.5
127	8.7	7.0	10.6

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#48

Methyl methacrylate

Concen: 19.781 ug/l

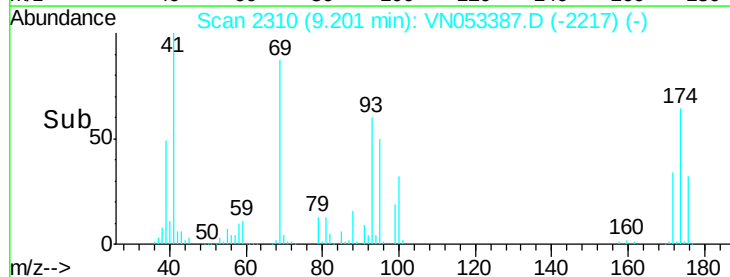
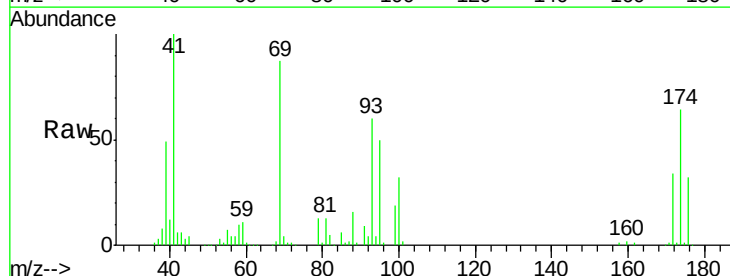
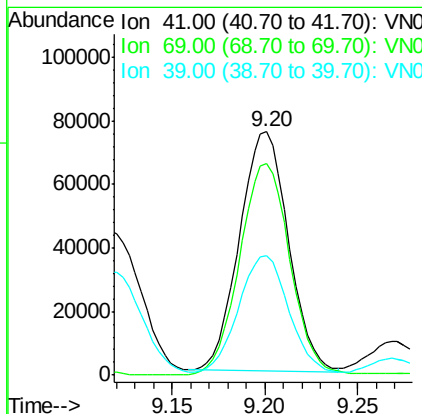
RT: 9.20 min Scan# 2310

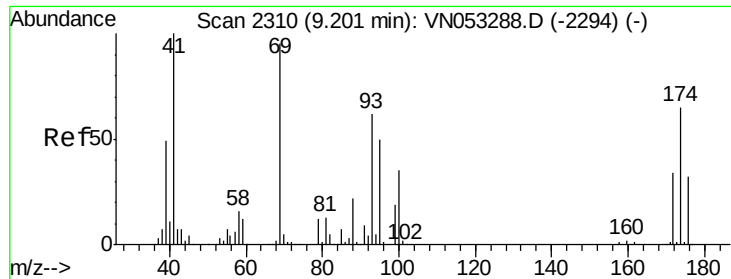
Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Tgt Ion:	41	Resp:	138935
Ion Ratio	Lower	Upper	
41	100		
69	91.2	73.5	110.3
39	51.8	41.6	62.4





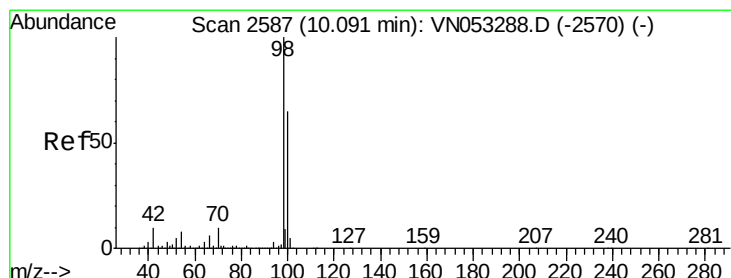
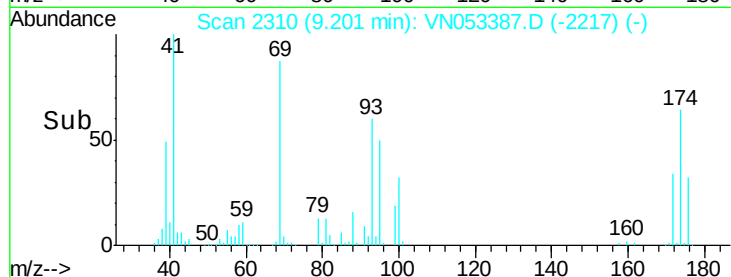
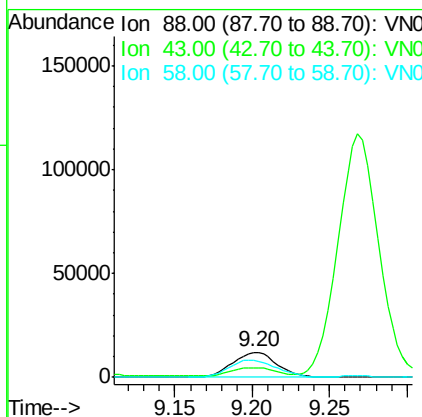
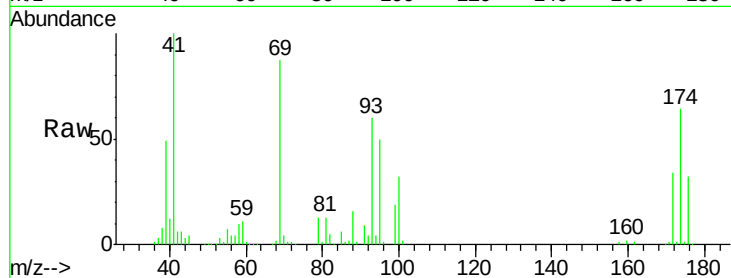
#49
1,4-Dioxane
Concen: 324.375 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	88	Resp	24273
Ion	Ratio	Lower	Upper
88	100		
43	34.6	26.2	39.4
58	72.1	55.5	83.3

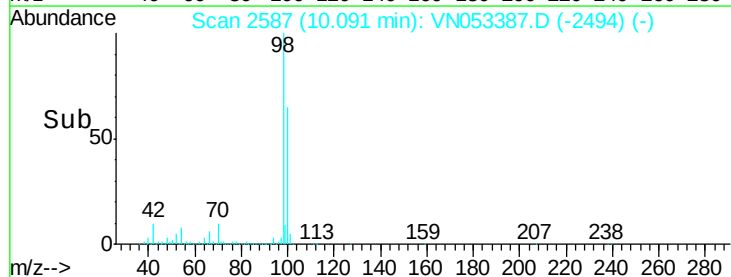
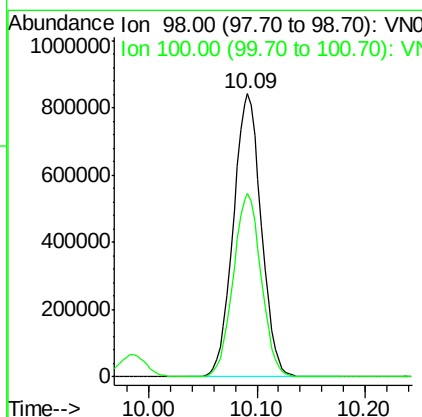
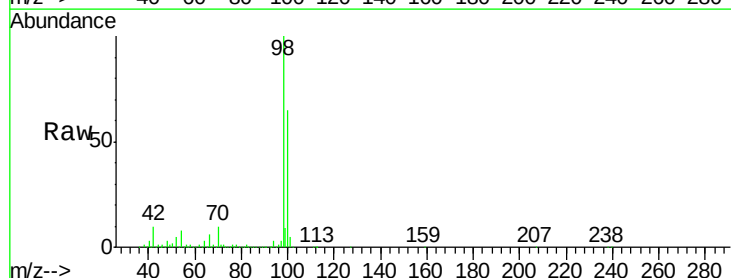
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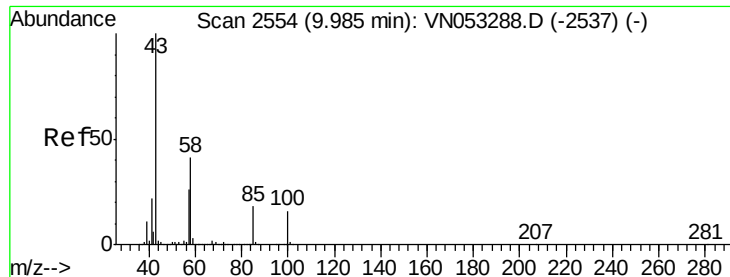
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#50
Toluene-d8
Concen: 324.375 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	98	Resp	1517045
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 99.214 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion: 43 Resp: 771321

Ion Ratio Lower Upper

43 100

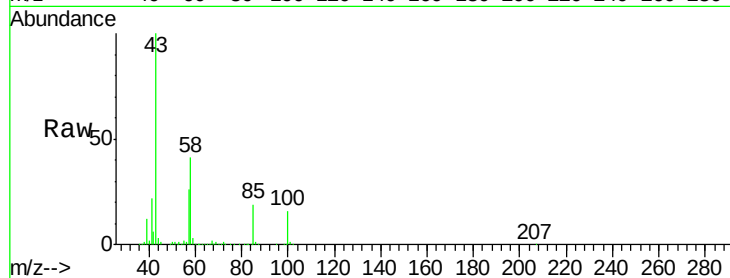
58 41.3 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

400000

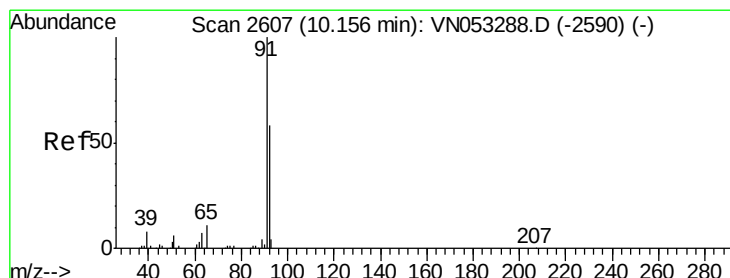
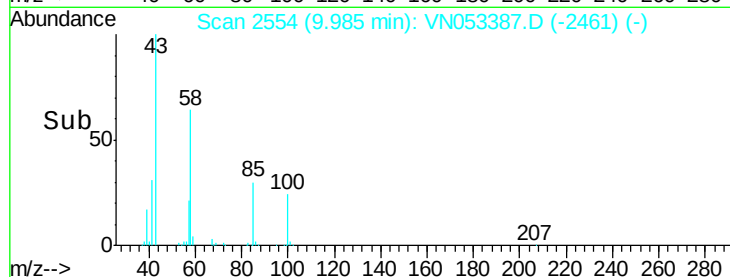
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.147 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053387.D

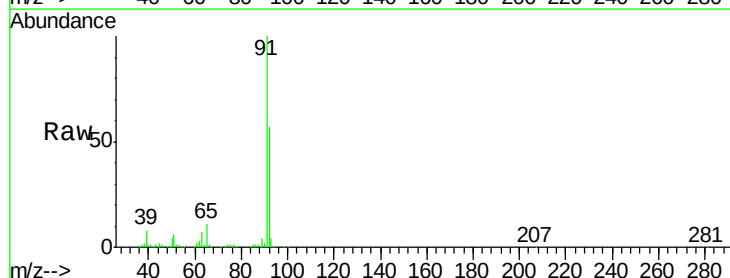
Acq: 14 Jan 2019 13:17

Tgt Ion: 92 Resp: 455501

Ion Ratio Lower Upper

92 100

91 173.7 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

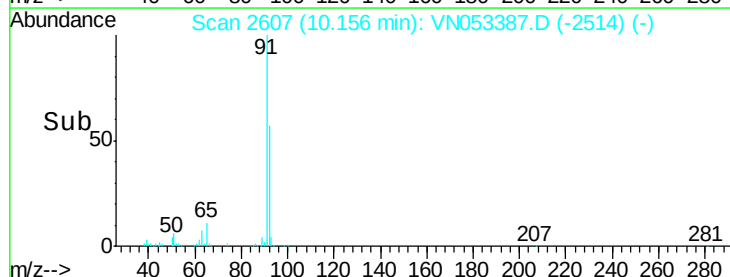
300000

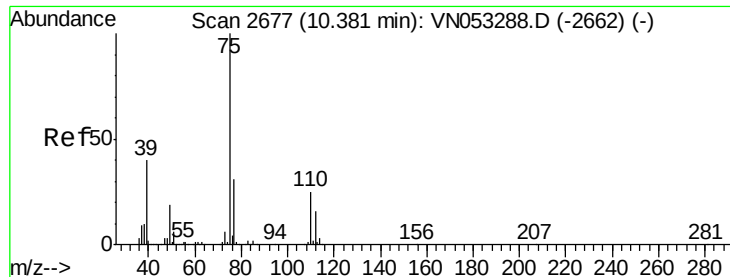
200000

100000

0

Time-->





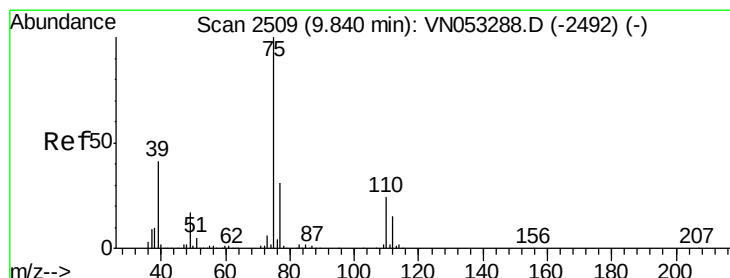
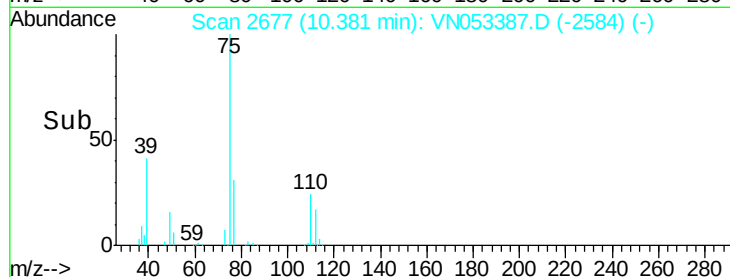
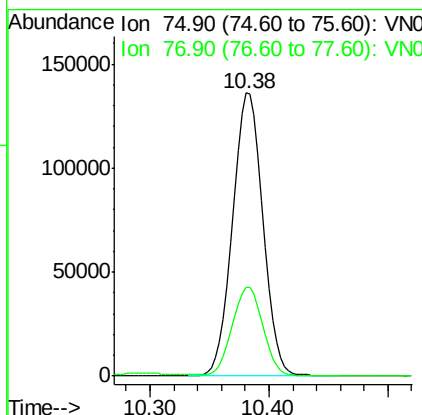
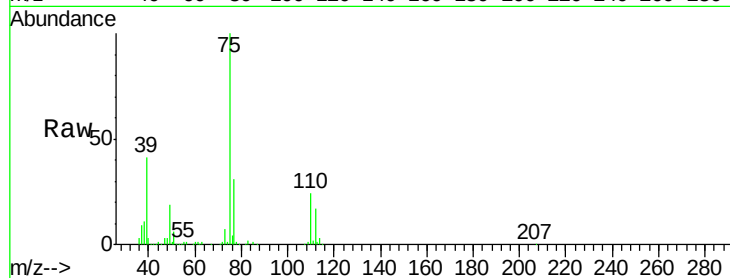
#53
t-1,3-Dichloropropene
Concen: 20.061 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampled :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4

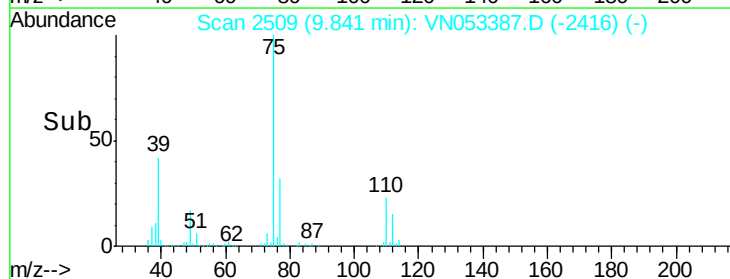
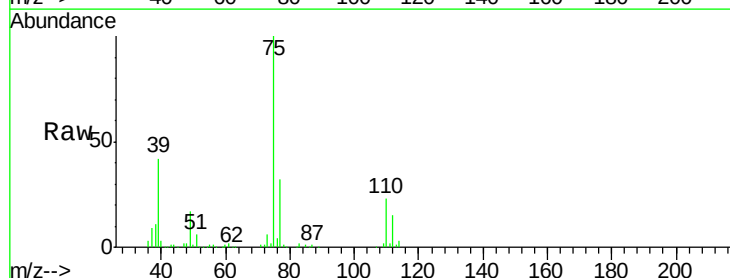
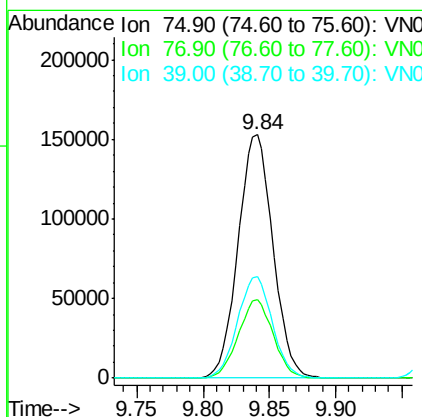
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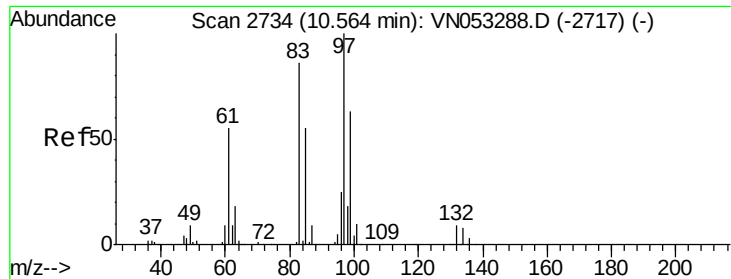
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.121 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.1	37.7
39	41.7	33.1	49.7





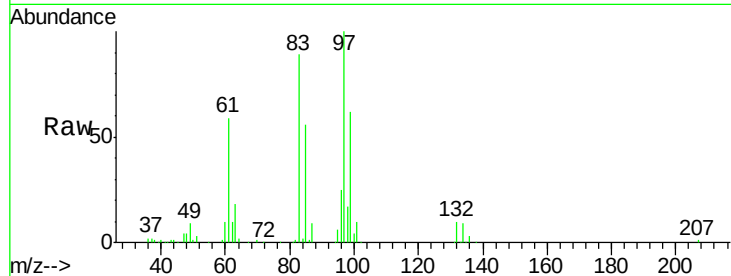
#55
 1,1,2-Trichloroethane
 Concen: 19.708 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0114WBSD01

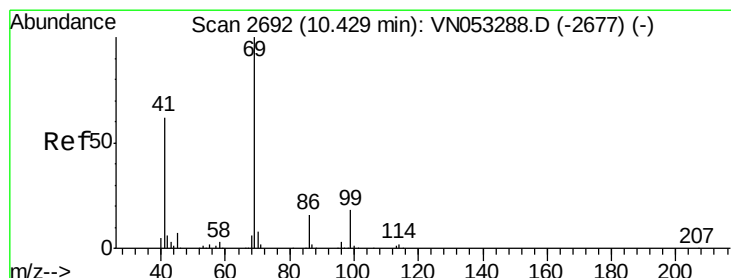
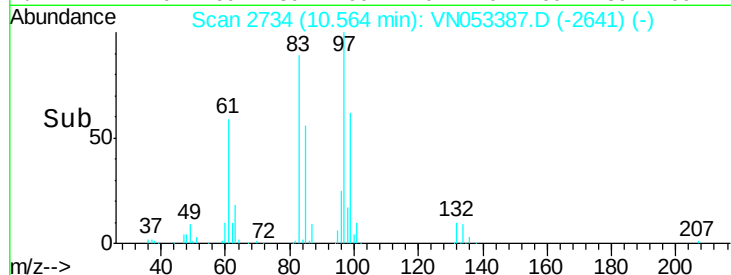
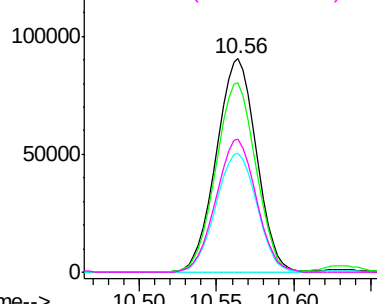
Tot Ion:	97	Resp:	163836
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.1	103.7
85	55.6	44.2	66.4
99	62.1	50.3	75.5

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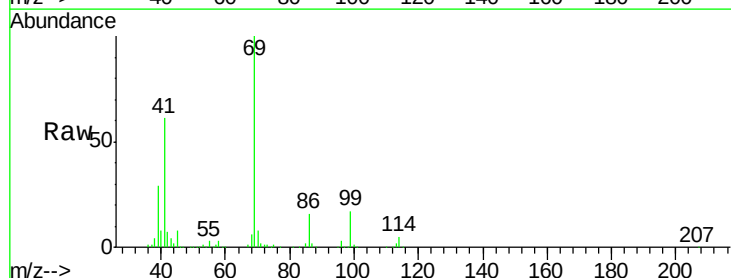


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

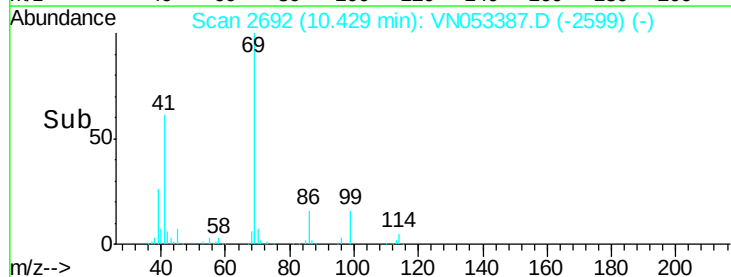
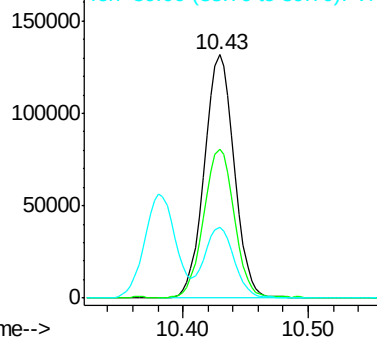


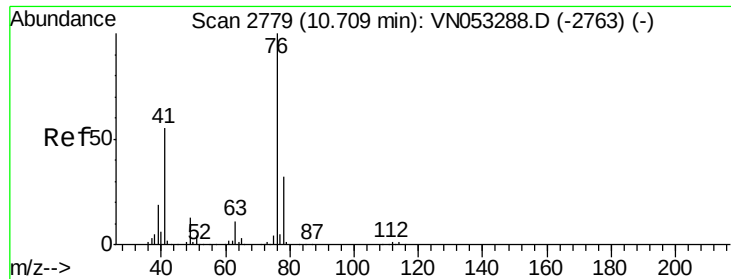
#56
 Ethyl methacrylate
 Concen: 20.181 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion:	69	Resp:	218019
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.2	73.8
39	29.3	23.4	35.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





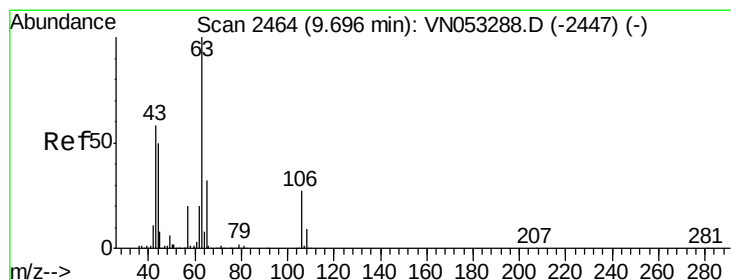
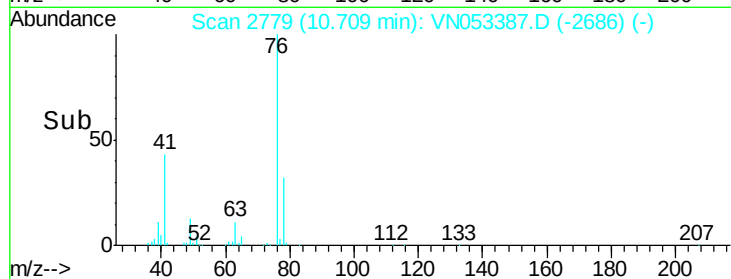
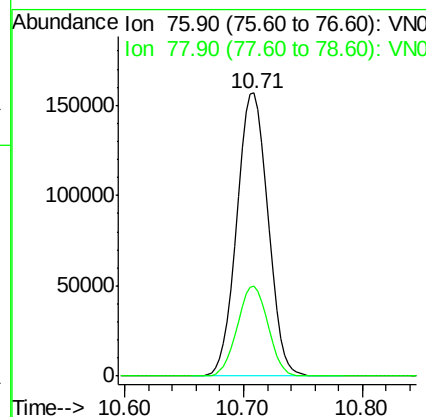
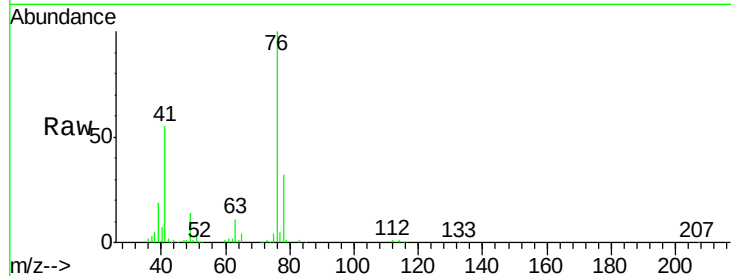
#57
 1,3-Dichloropropane
 Concen: 20.512 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.8

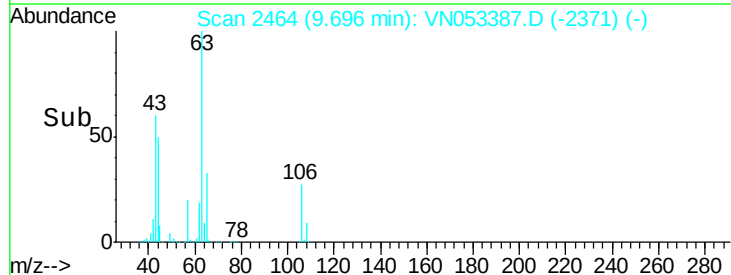
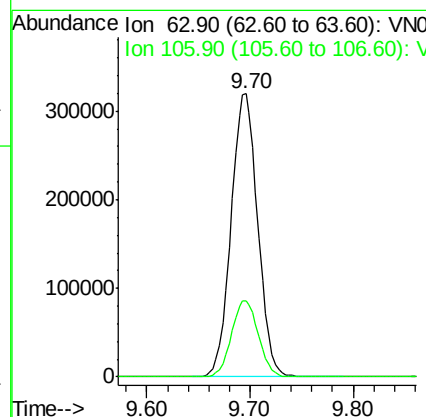
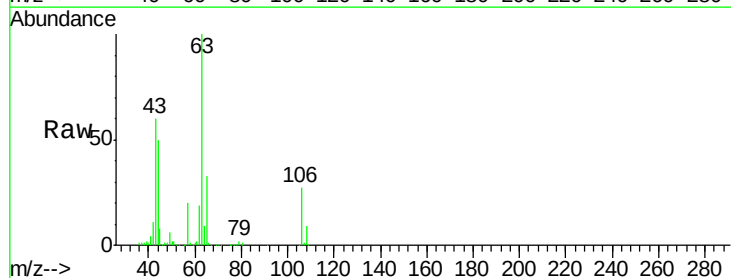
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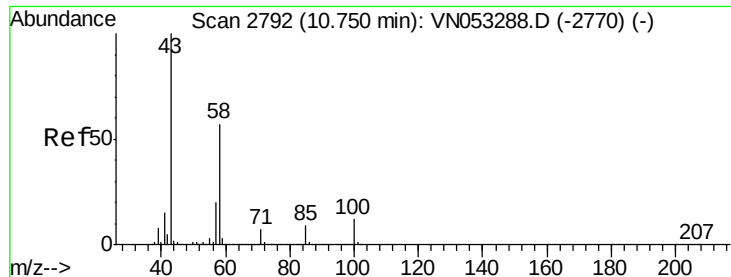
MMDadoda
 1/15/2019 11:14:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.354 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.7	32.5





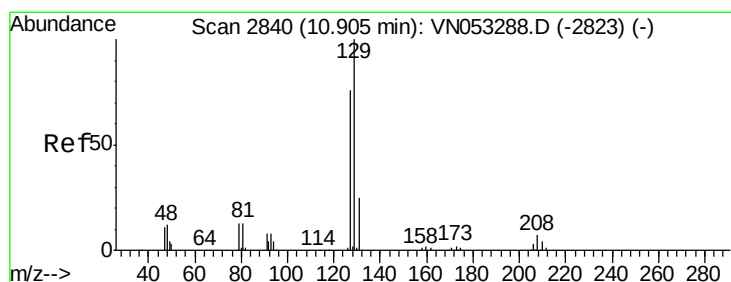
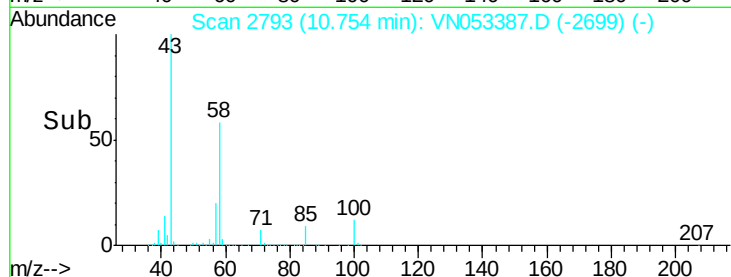
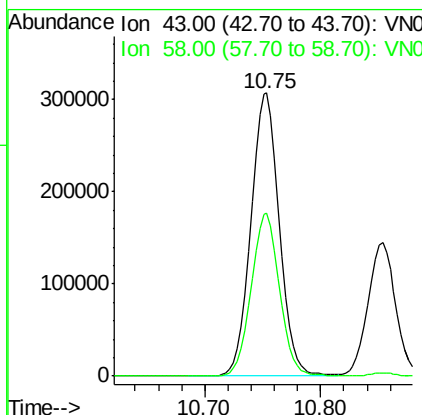
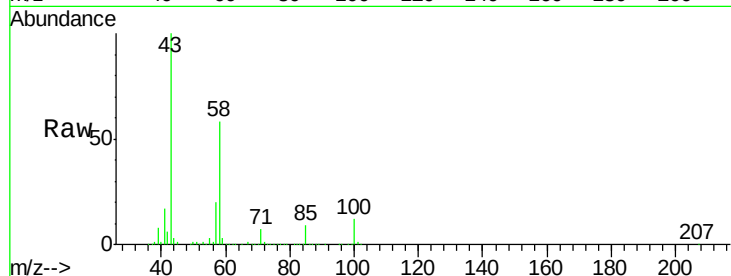
#59
2-Hexanone
Concen: 98.497 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion: 43 Resp: 524660
Ion Ratio Lower Upper
43 100
58 57.6 28.3 85.0

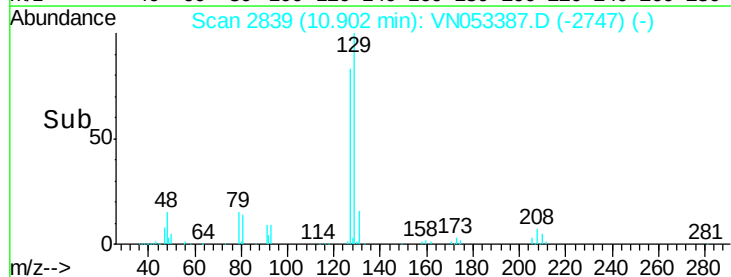
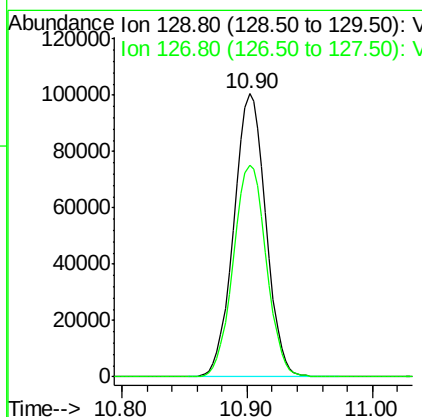
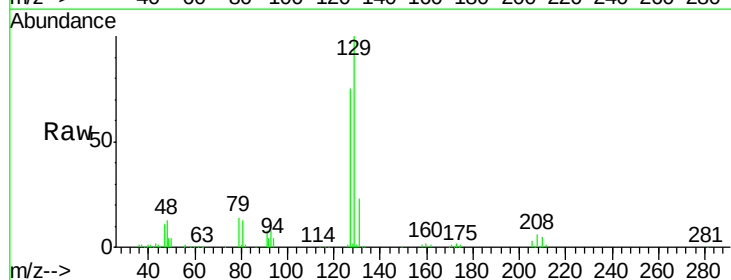
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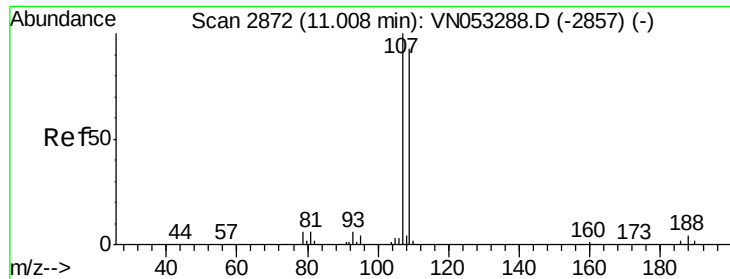
MMDadoda
1/15/2019 11:14:25 AM



#60
Dibromochloromethane
Concen: 19.919 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion: 129 Resp: 178610
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2





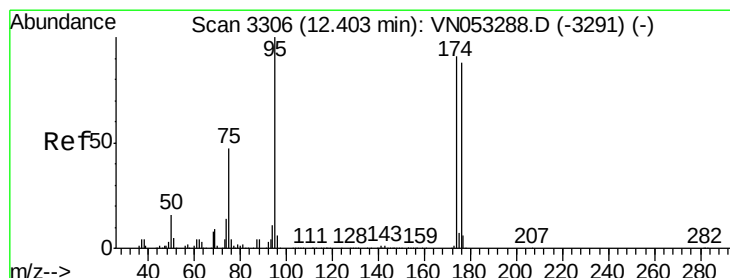
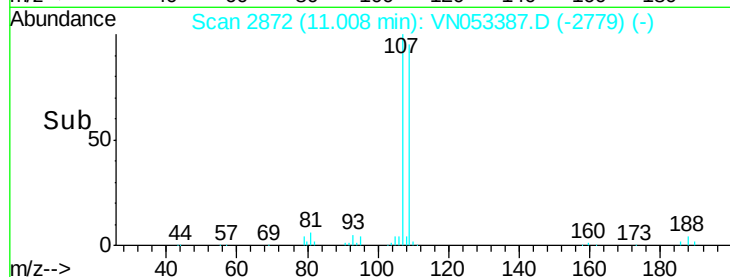
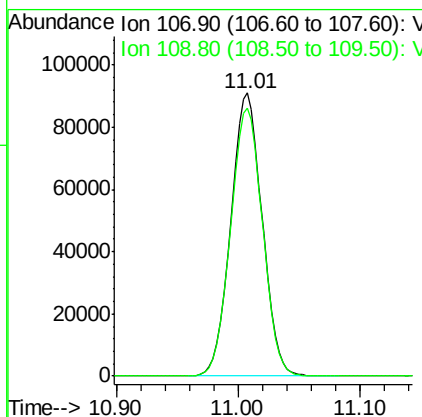
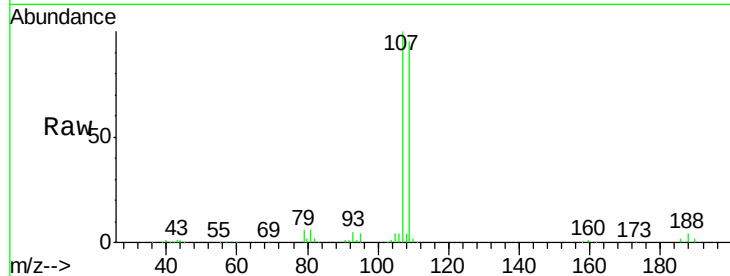
#61
 1,2-Dibromoethane
 Concen: 19.790 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.0	112.6

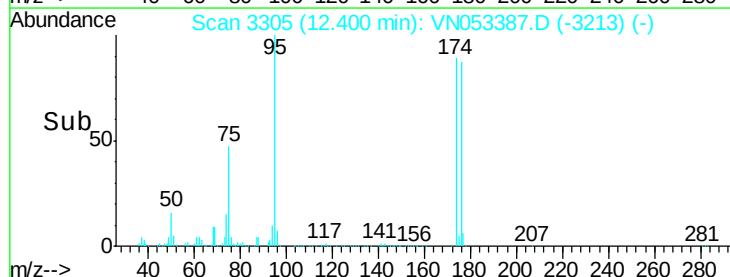
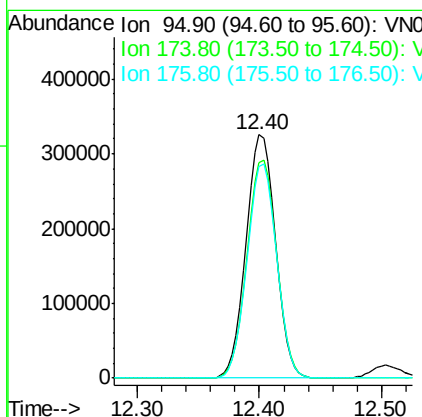
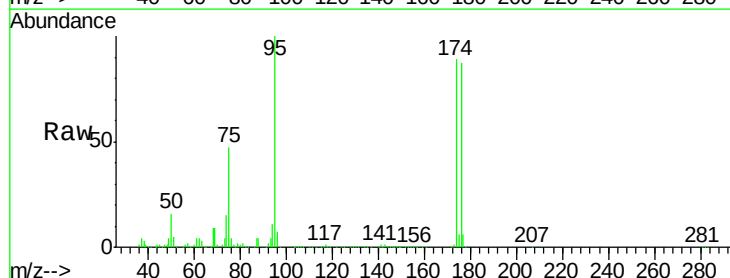
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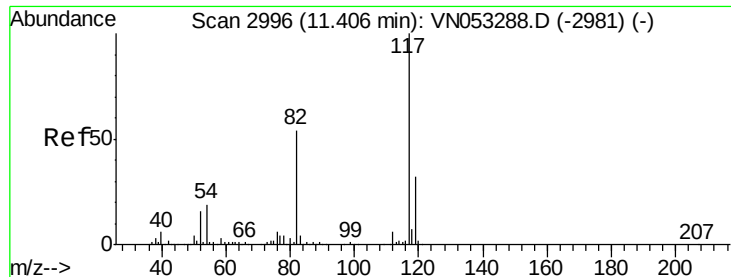
MMDadoda
 1/15/2019 11:14:25 AM



#62
 4-Bromofluorobenzene
 Concen: 19.790 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	180.4
176	88.3	0.0	175.6





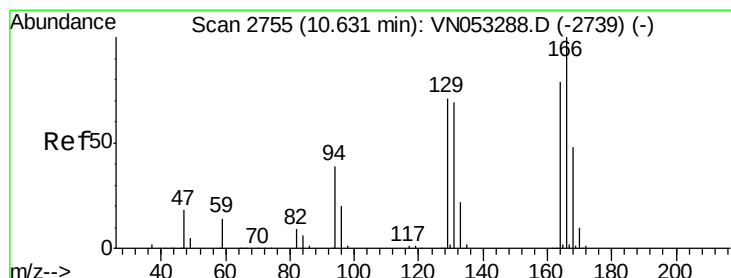
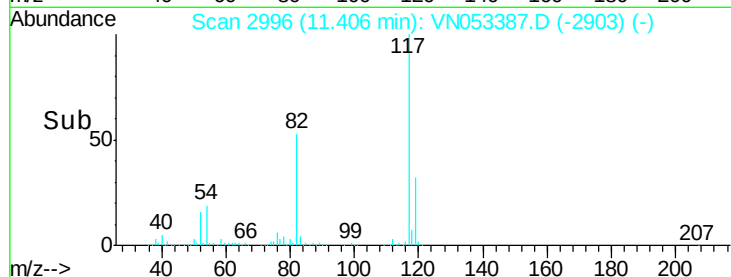
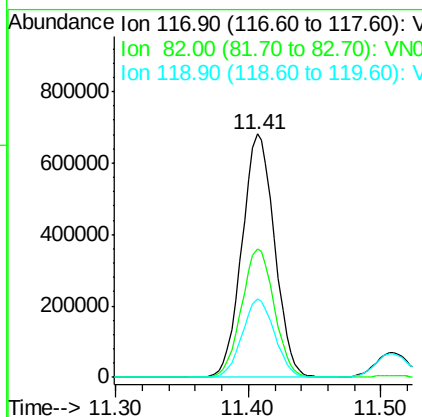
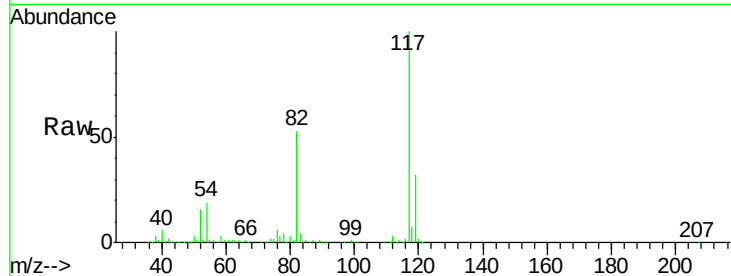
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.9	64.3
119	32.1	25.6	38.4

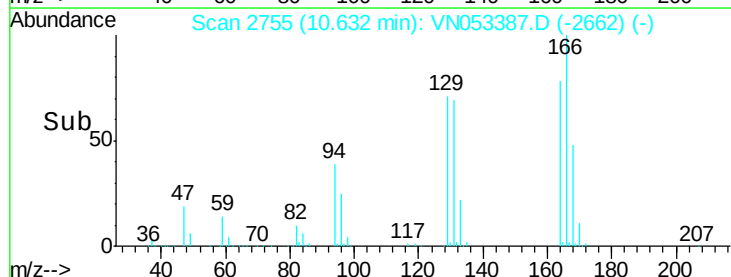
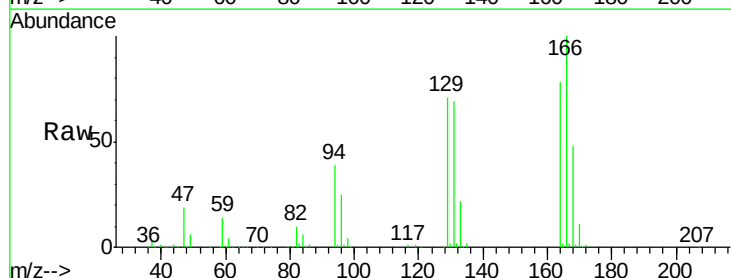
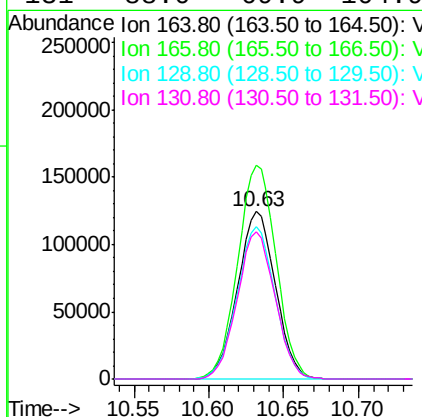
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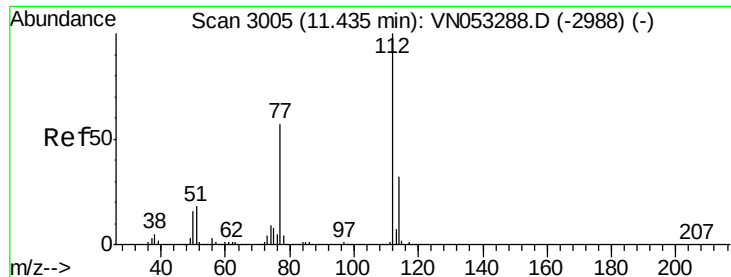
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#64
Tetrachloroethene
Concen: 20.056 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.7	152.5
129	90.7	72.1	108.1
131	88.0	69.9	104.9





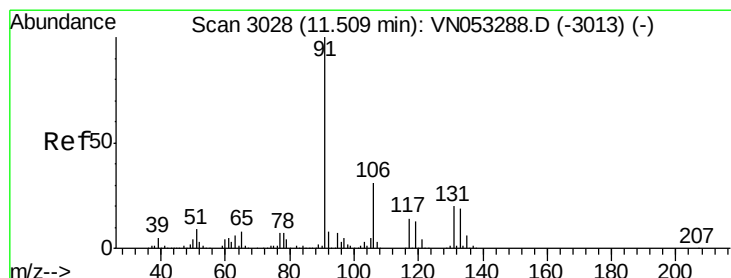
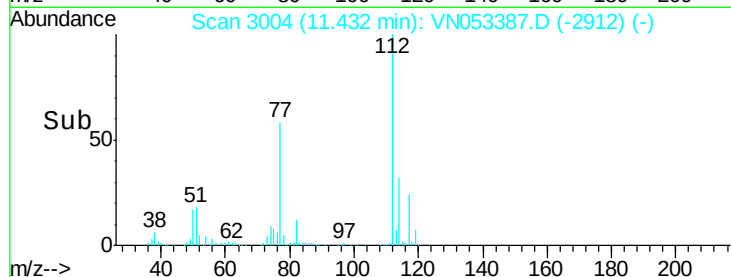
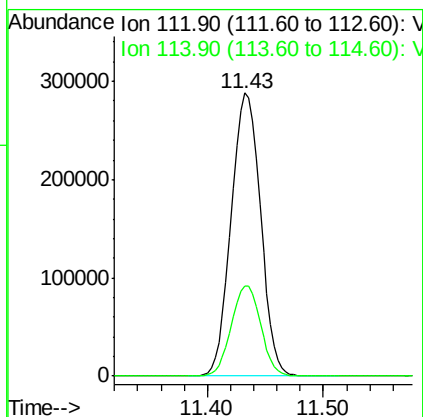
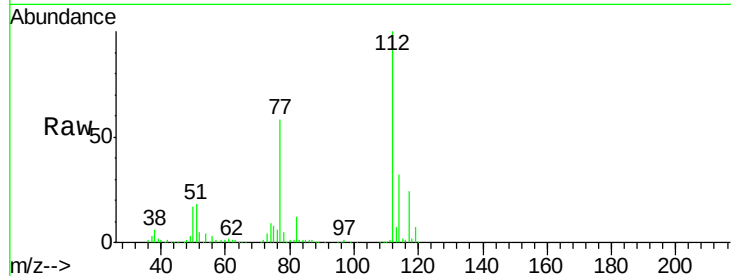
#65
Chlorobenzene
Concen: 20.027 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion:112 Resp: 505175
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

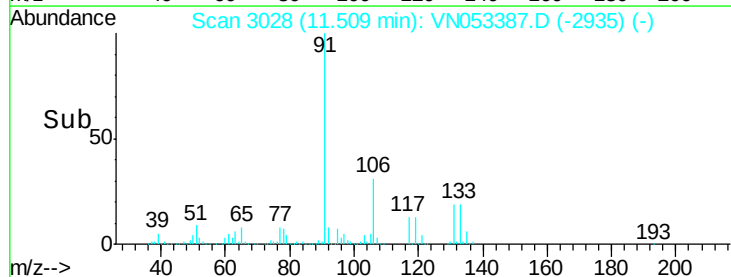
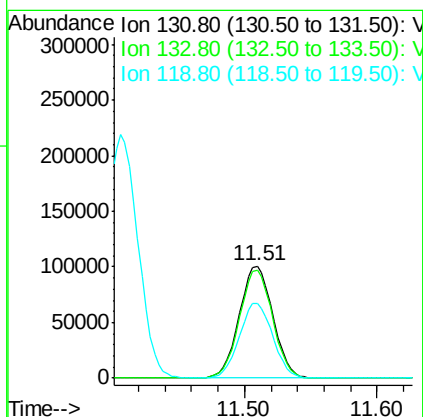
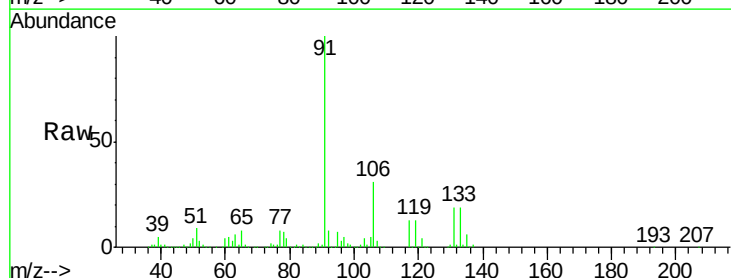
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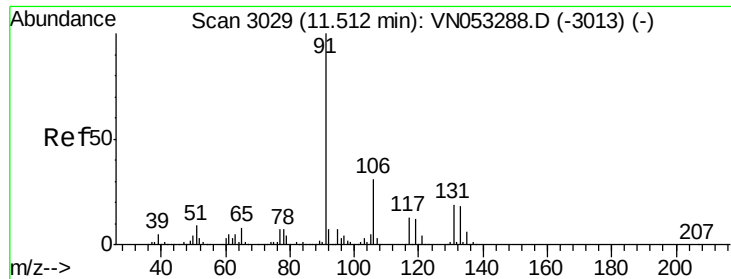
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.118 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion:131 Resp: 177626
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.0
119 66.3 33.3 99.9





#67

Ethyl Benzene

Concen: 20.208 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

VN0114WBSD01

Tot Ion: 91 Resp: 866191

Ion Ratio Lower Upper

91 100

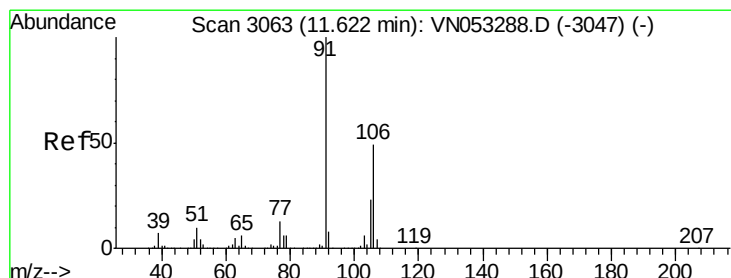
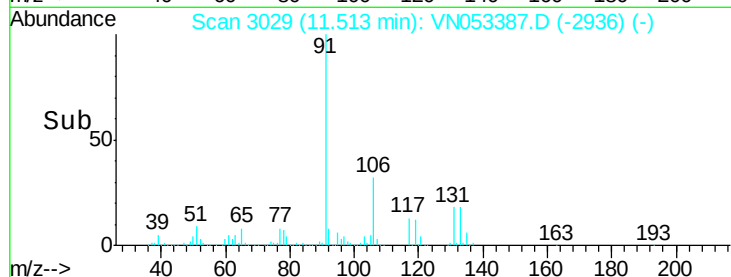
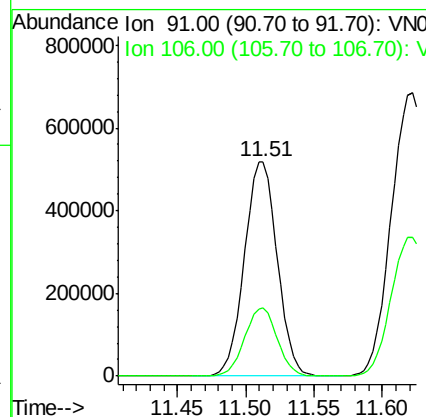
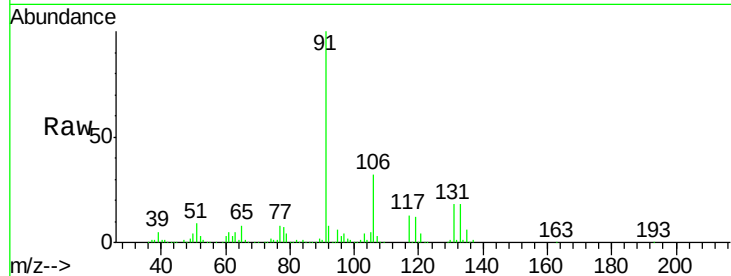
106 31.6 25.0 37.4

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#68

m/p-Xylenes

Concen: 41.097 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053387.D

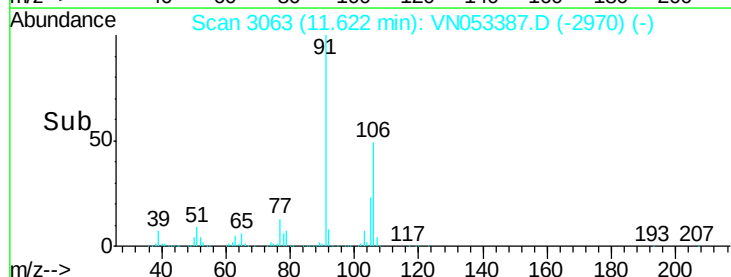
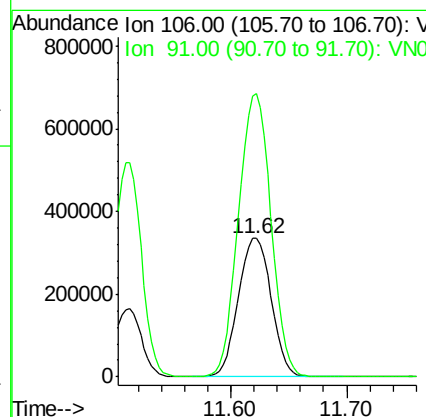
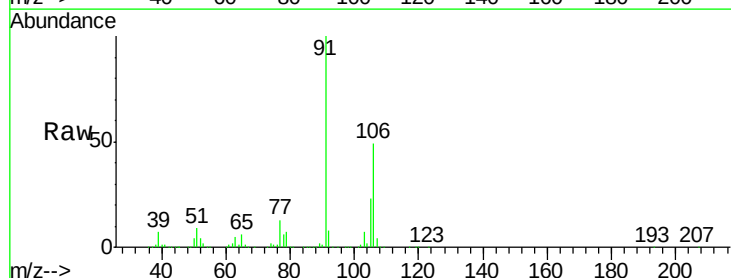
Acq: 14 Jan 2019 13:17

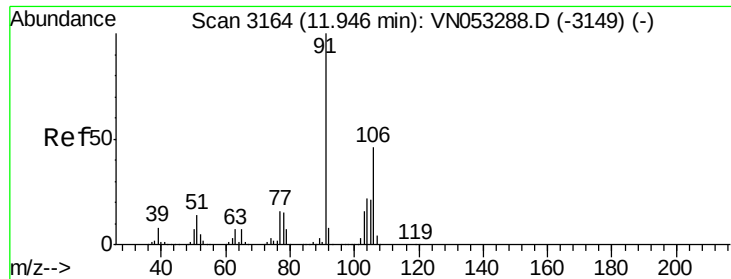
Tgt Ion: 106 Resp: 662385

Ion Ratio Lower Upper

106 100

91 201.2 161.4 242.2





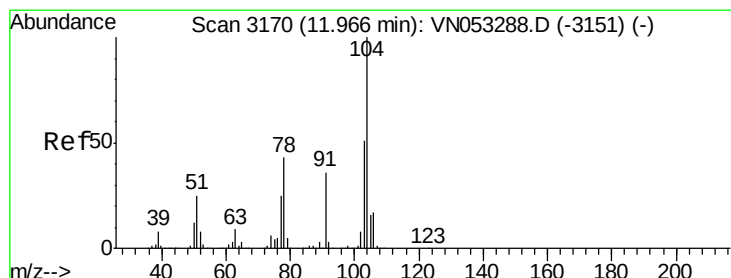
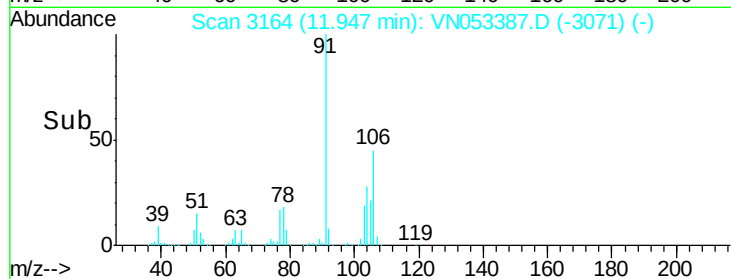
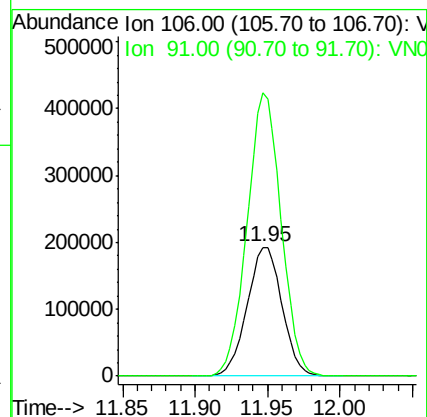
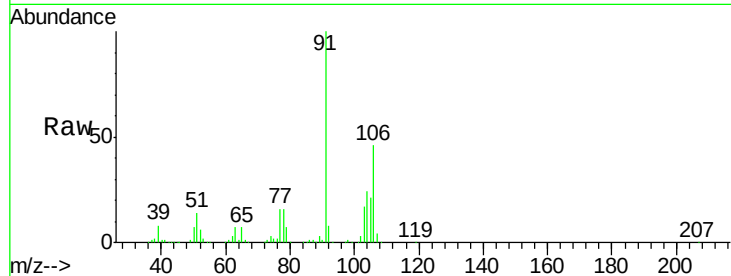
#69
o-Xylene
Concen: 20.438 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.3	106.8	320.4

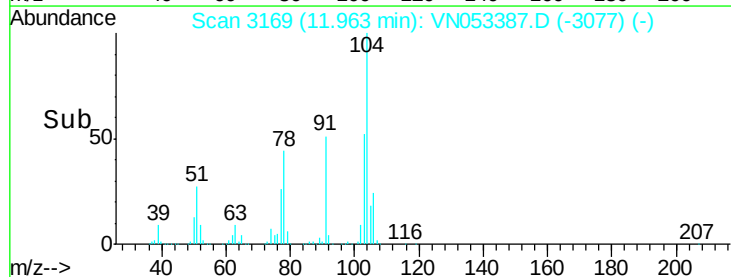
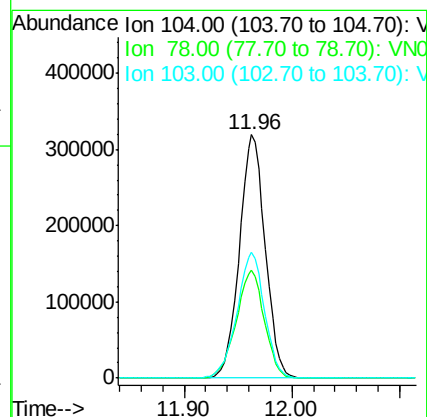
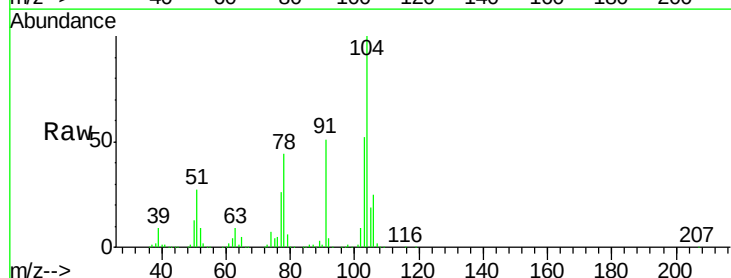
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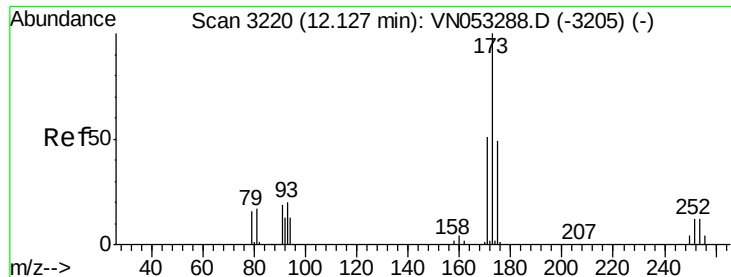
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#70
Styrene
Concen: 20.669 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.5	57.7
103	55.4	44.5	66.7





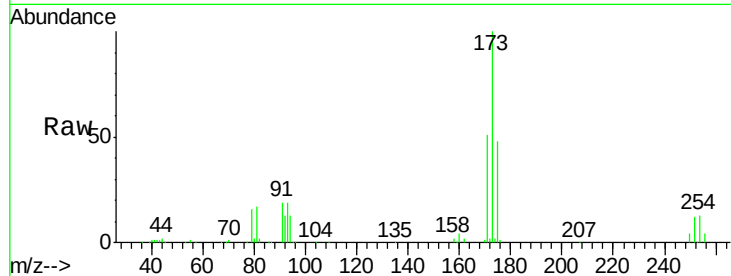
#71
Bromoform
Concen: 19.671 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

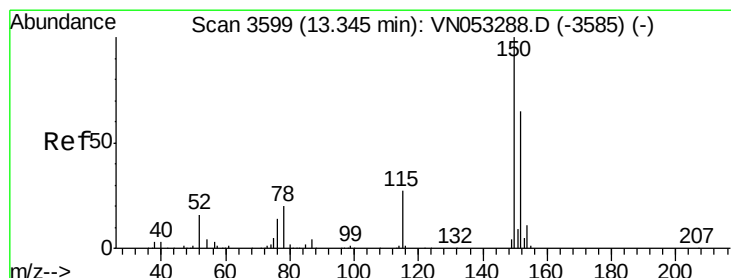
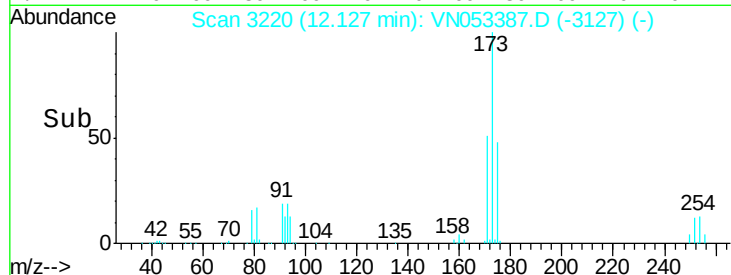
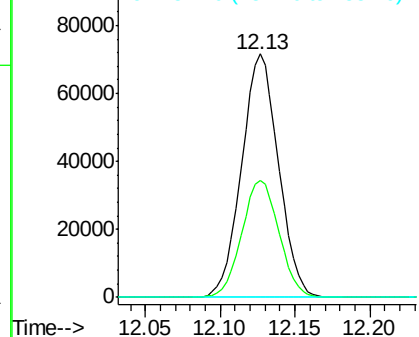
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.2	0.2

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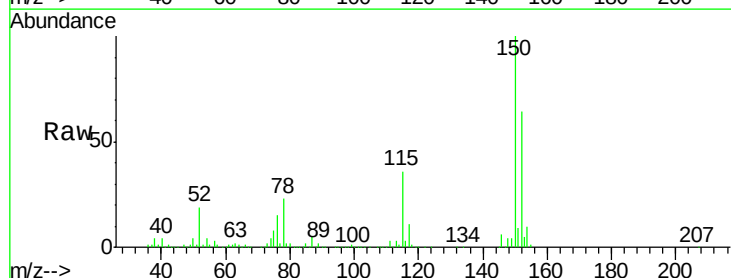


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

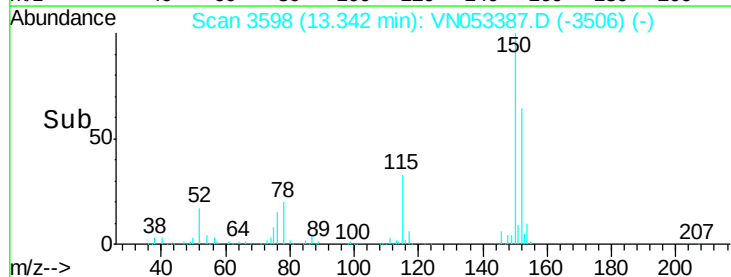
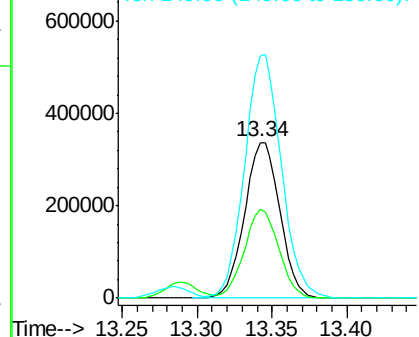


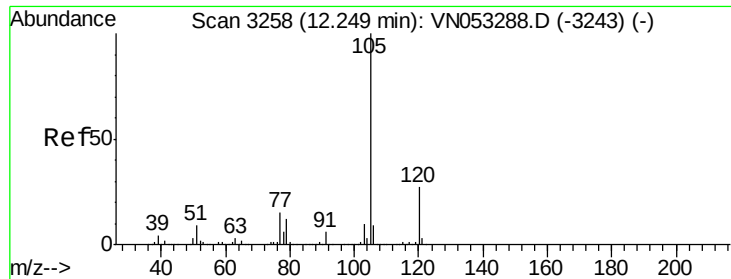
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	84.0
150	163.5	0.0	346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





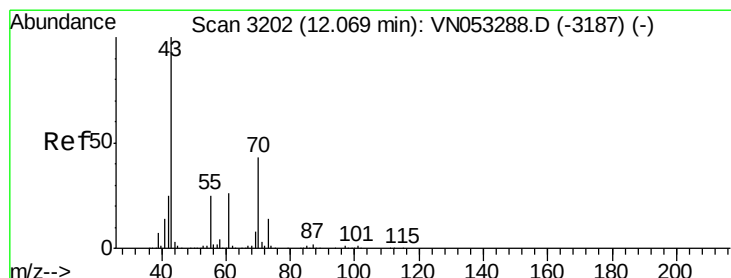
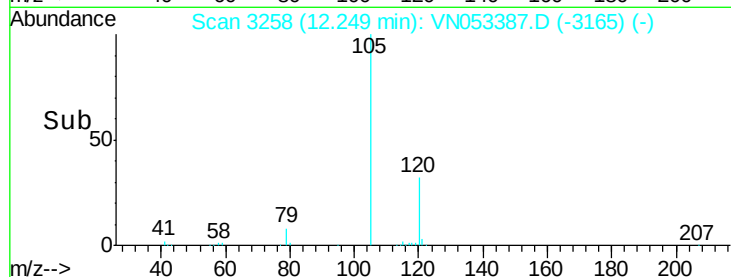
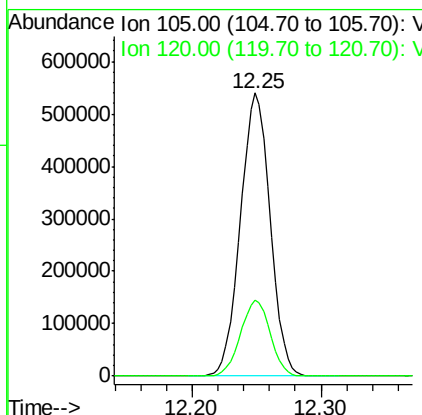
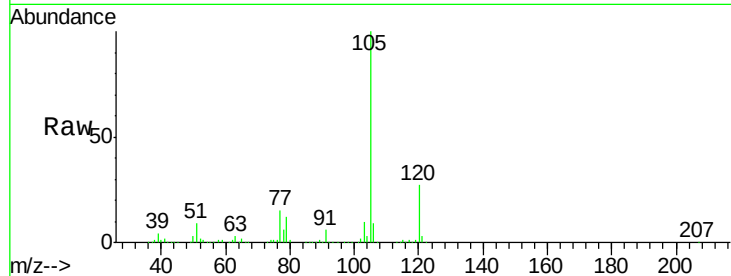
#73
Isopropylbenzene
Concen: 21.089 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

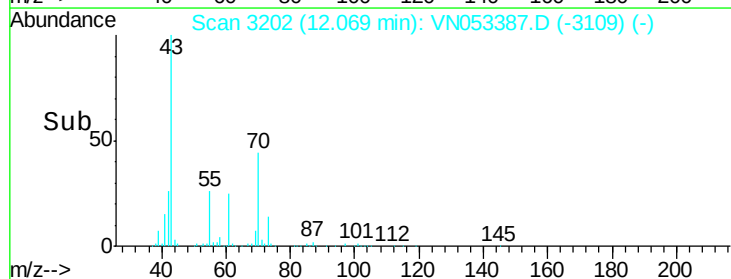
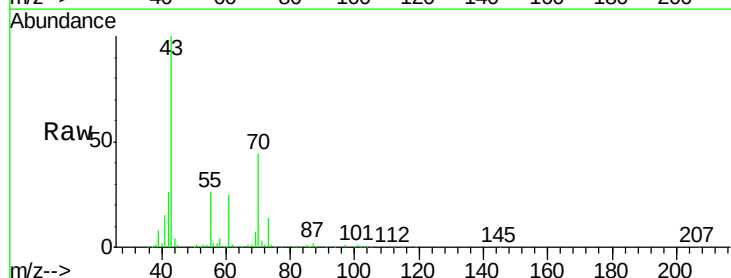
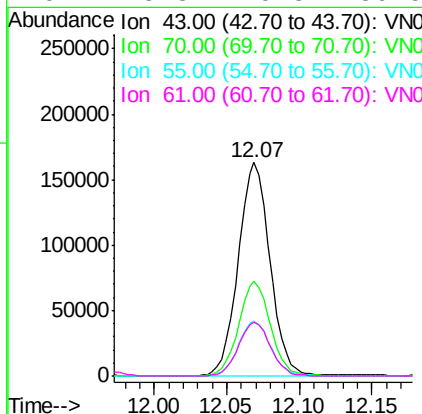
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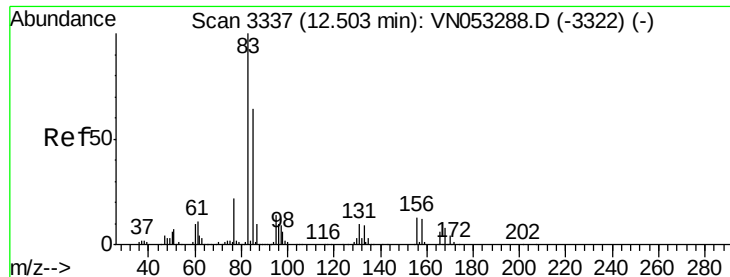
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#74
N-ethyl acetate
Concen: 20.137 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.5	35.0	52.6
55	26.4	20.0	30.0
61	25.8	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.509 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

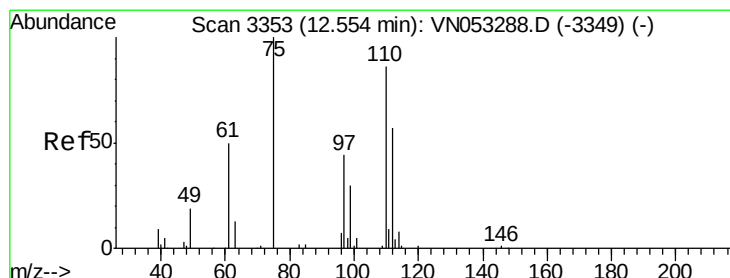
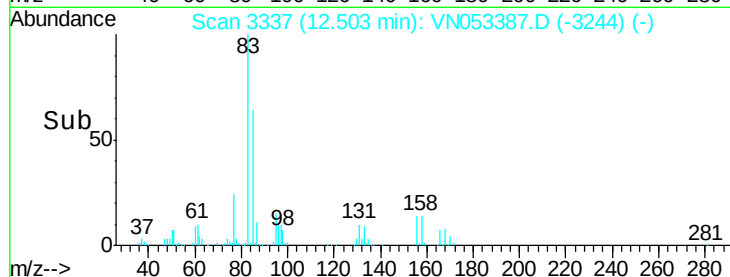
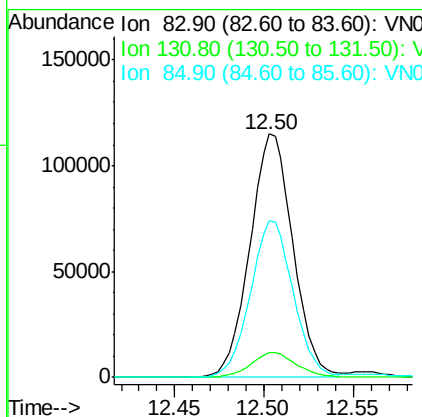
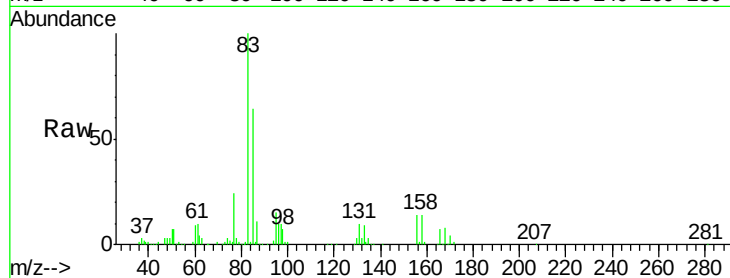
ClientSampleId :

VN0114WBSD01

Tot Ion:	83	Resp:	193723
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	63.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.605 ug/l m

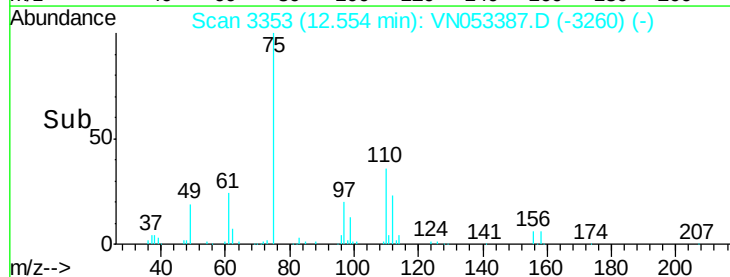
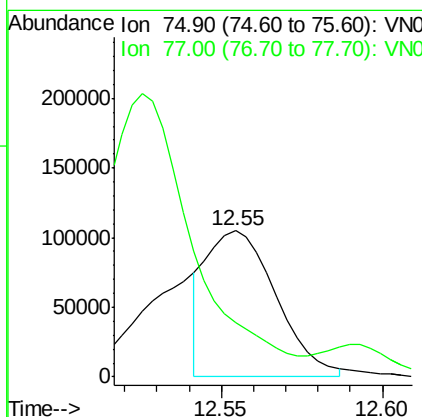
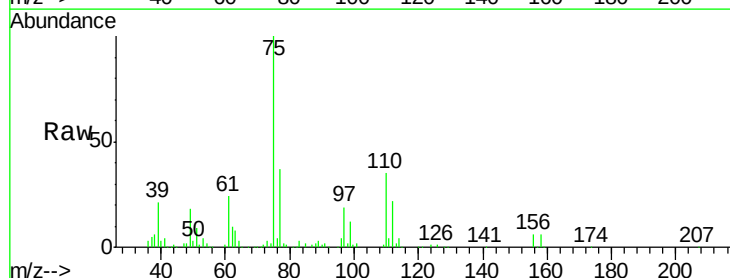
RT: 12.55 min Scan# 3353

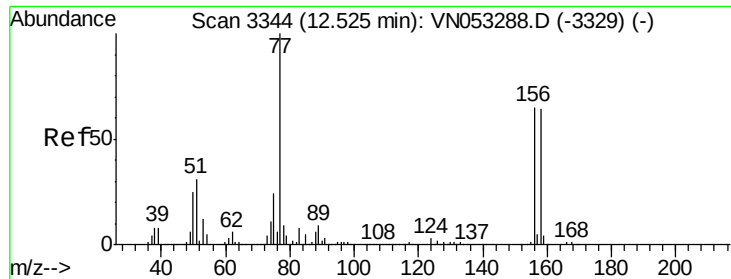
Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Tgt Ion:	75	Resp:	157712
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.598 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

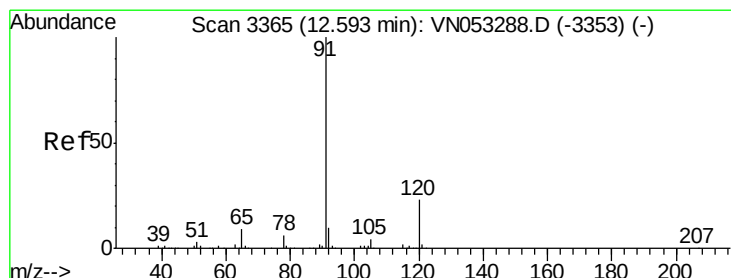
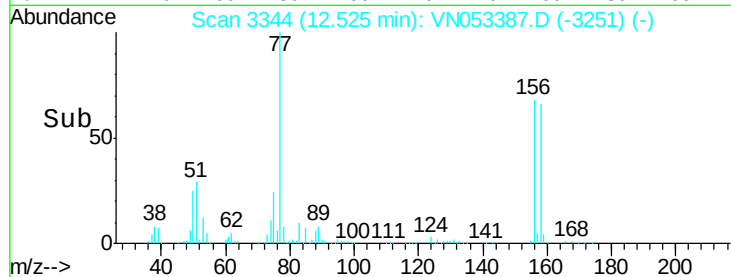
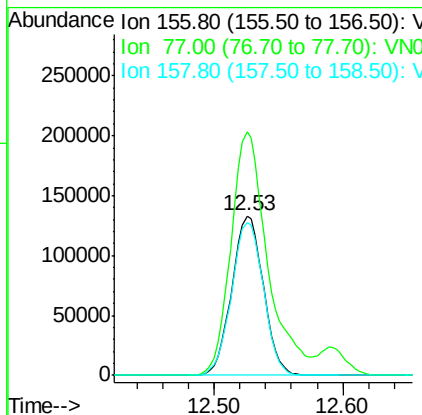
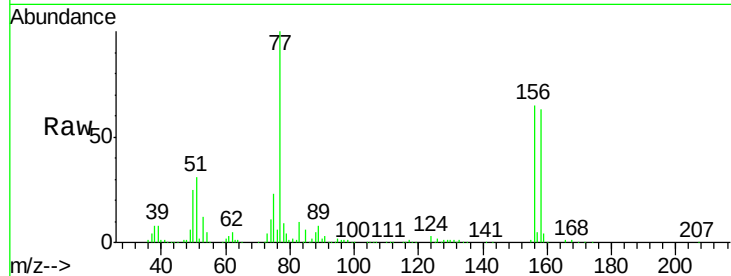
ClientSampleId :

VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.2	89.3	268.1
158	96.8	48.9	146.8

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#78

n-propylbenzene

Concen: 21.137 ug/l

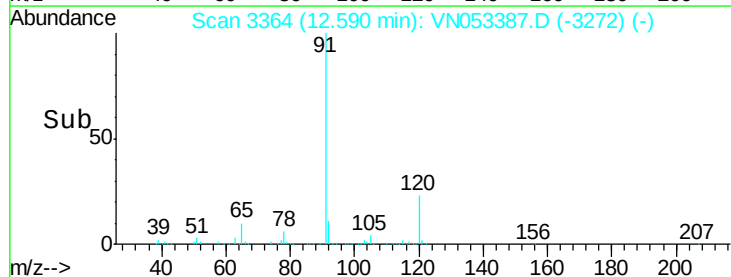
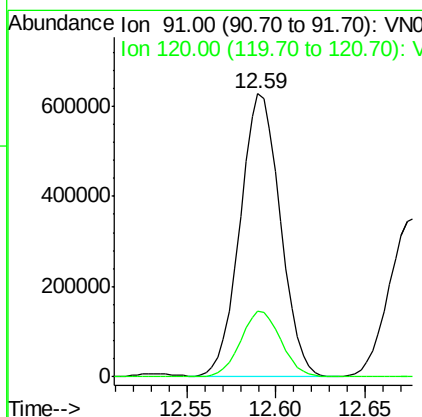
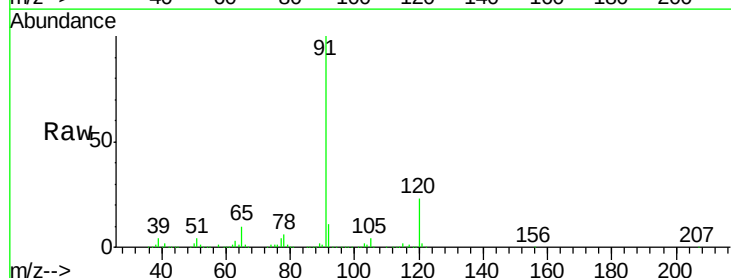
RT: 12.59 min Scan# 3364

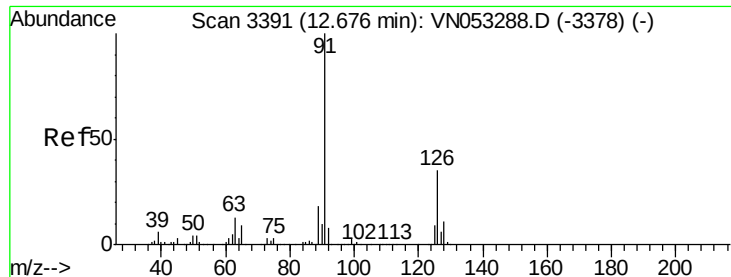
Delta R.T. -0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.763 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion: 91 Resp: 583537

Ion Ratio Lower Upper

91 100

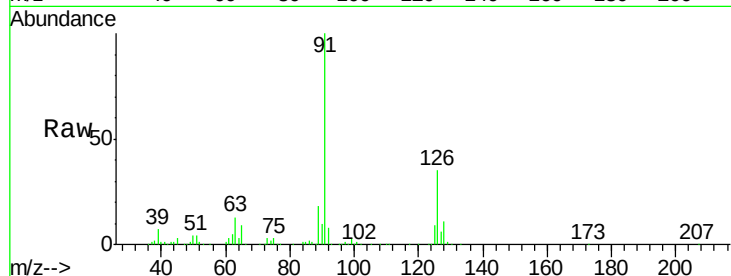
126 35.1 17.5 52.5

Manual Integrations

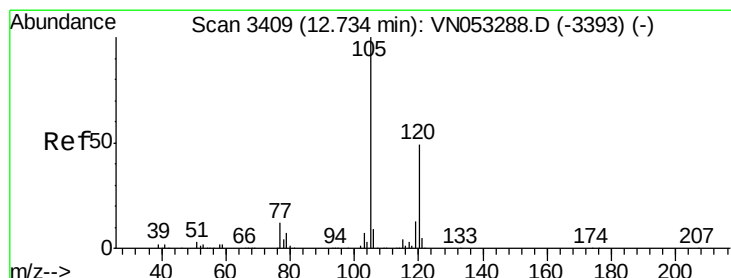
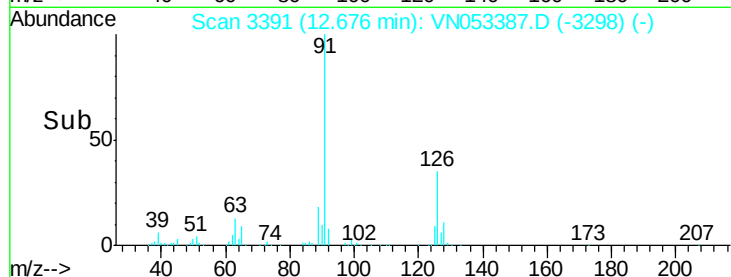
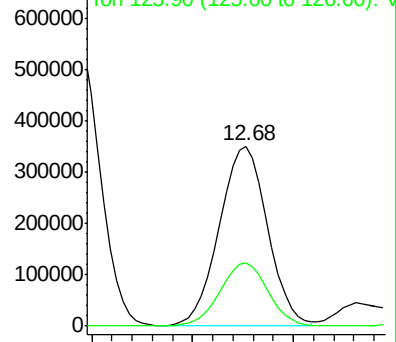
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Abundance Ion 91.00 (90.70 to 91.70): VN053387.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.294 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053387.D

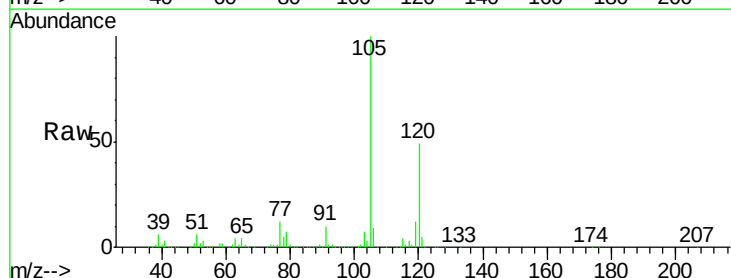
Acq: 14 Jan 2019 13:17

Tgt Ion: 105 Resp: 704327

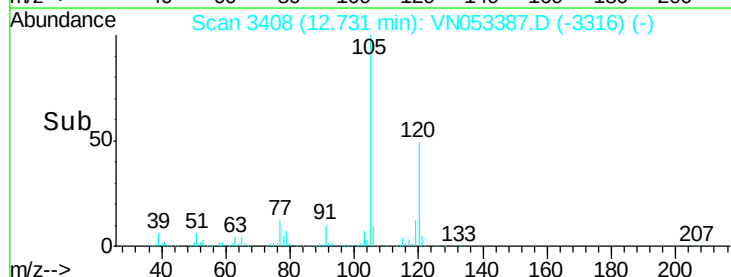
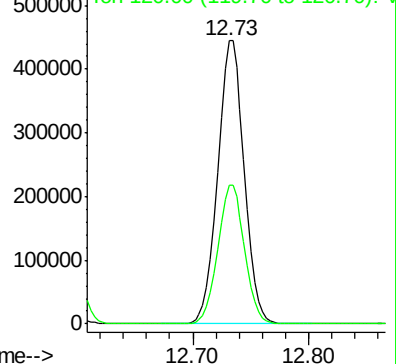
Ion Ratio Lower Upper

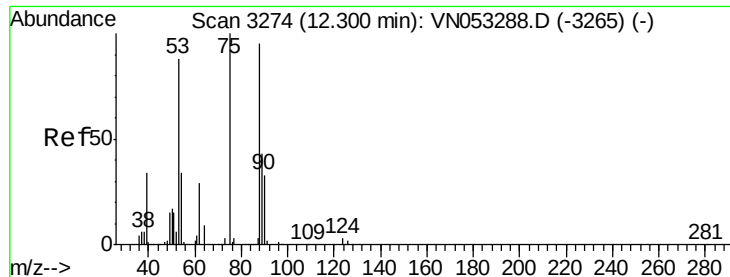
105 100

120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053387.D (-3409) (-)





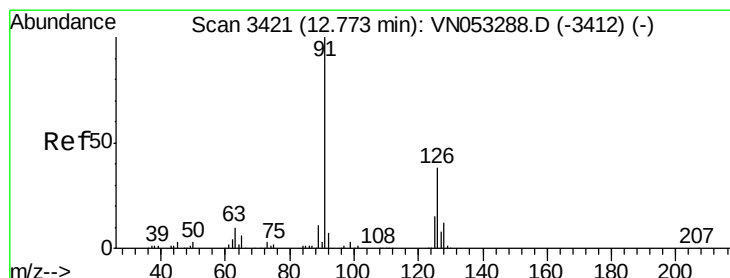
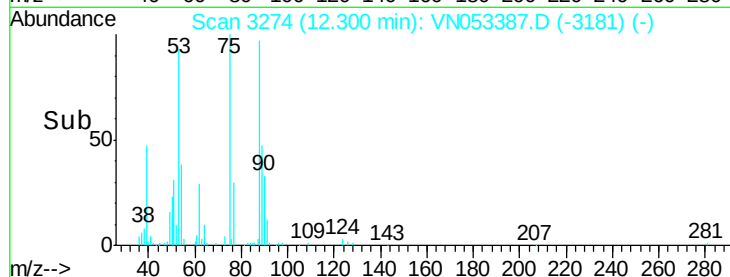
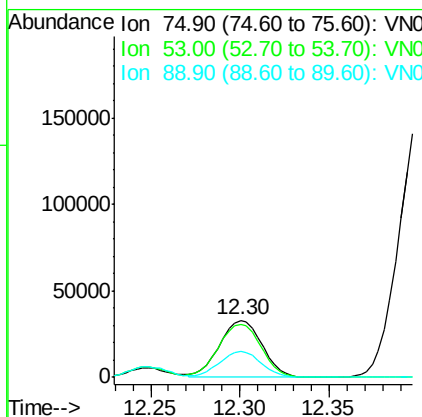
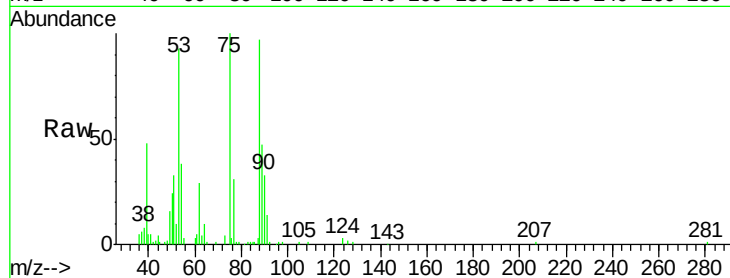
#81
trans-1,4-Dichloro-2-butene
Concen: 20.194 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.6	70.5	105.7
89	44.9	35.4	53.0

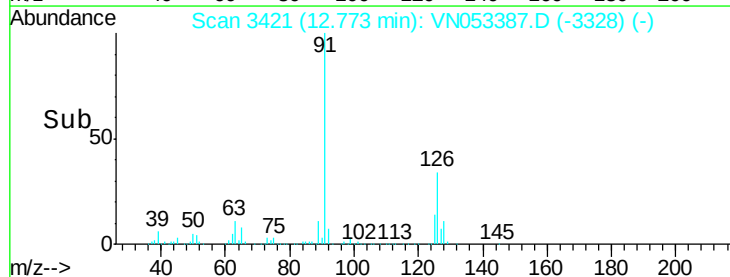
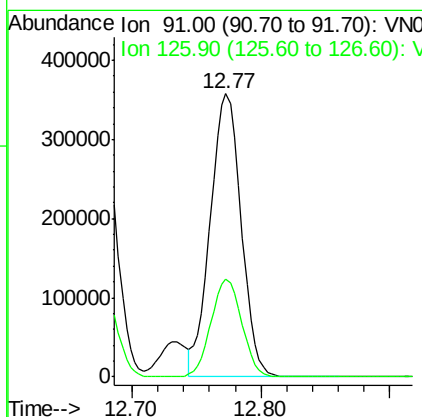
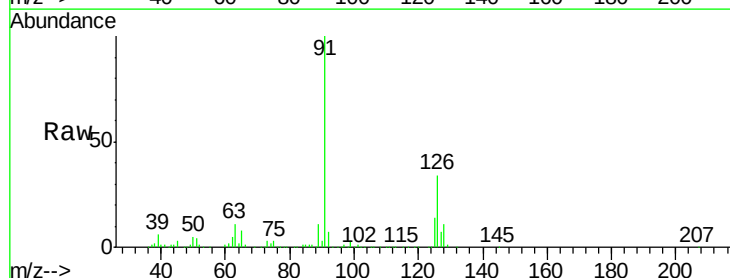
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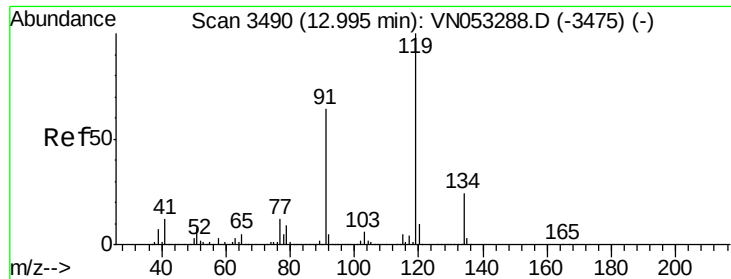
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#82
4-Chlorotoluene
Concen: 20.566 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053387.D
Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.4	52.2





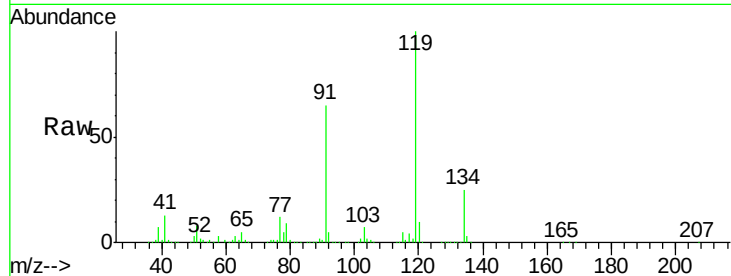
#83
 tert-Butylbenzene
 Concen: 21.508 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

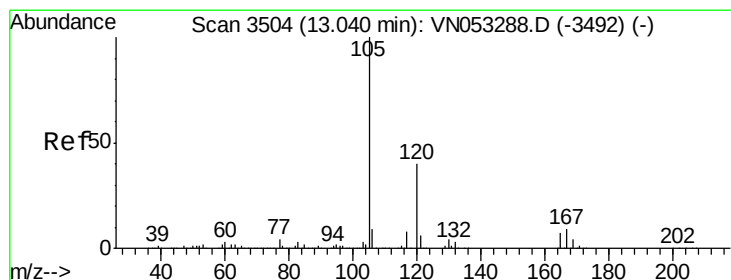
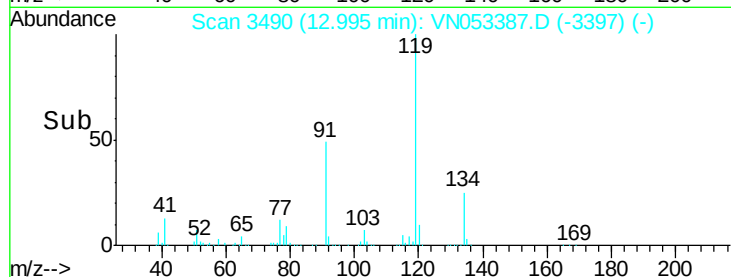
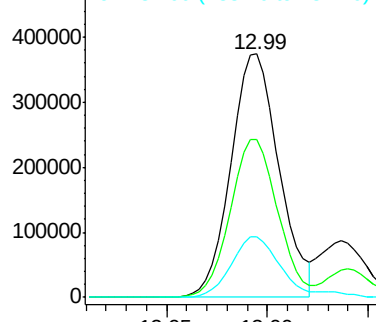
Tot Ion	Ratio	Resp	Lower	Upper
119	100	624173		
91	63.4		31.6	95.0
134	26.0		12.9	38.6

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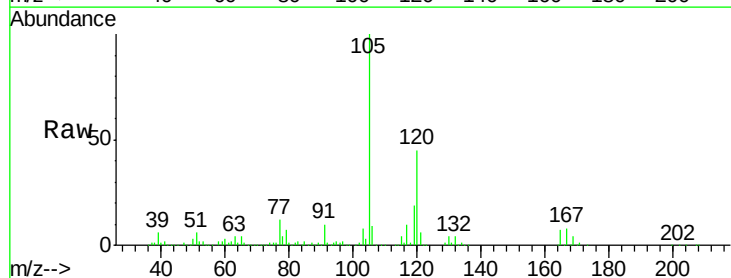


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

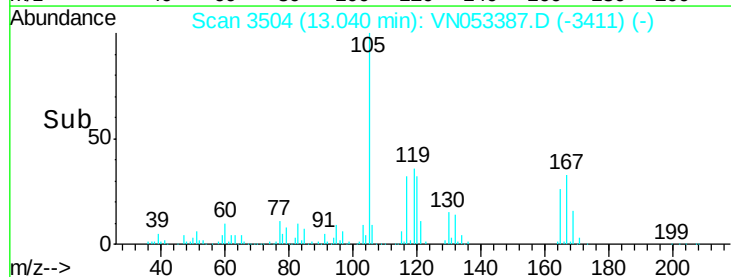
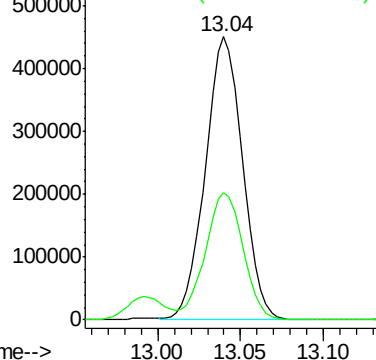


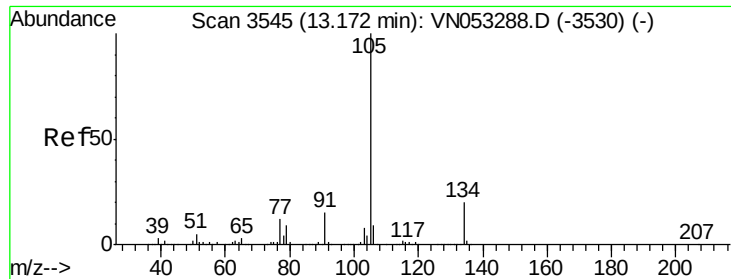
#84
 1,2,4-Trimethylbenzene
 Concen: 20.890 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	703909		
120	45.8		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: 22.181 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

VN0114WBSD01

Tot Ion:105 Resp: 848895

Ion Ratio Lower Upper

105 100

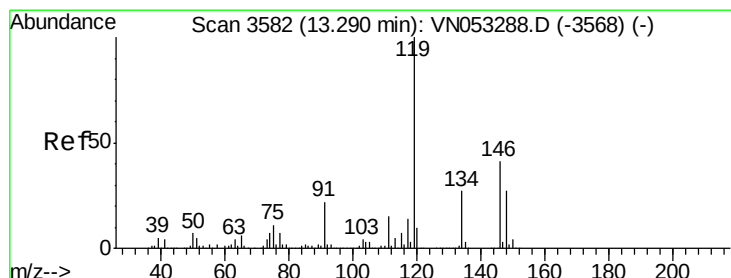
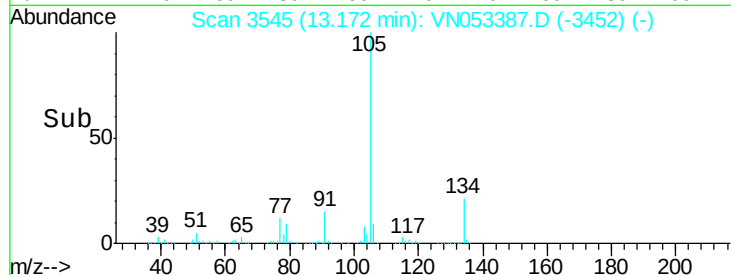
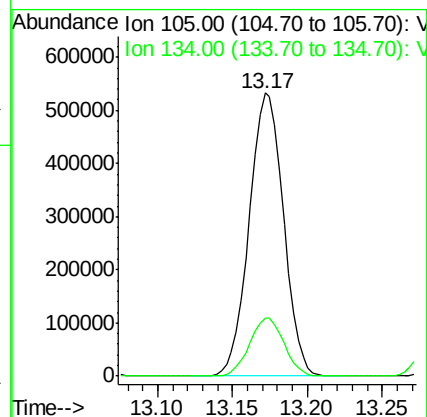
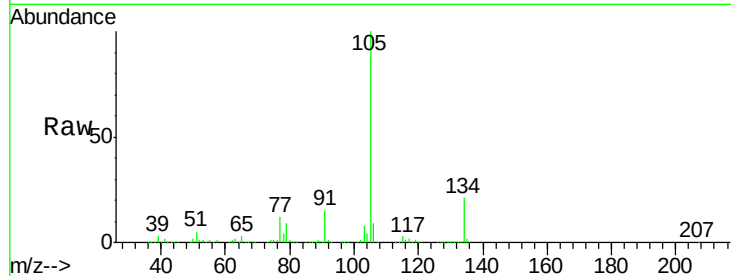
134 20.6 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 22.244 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

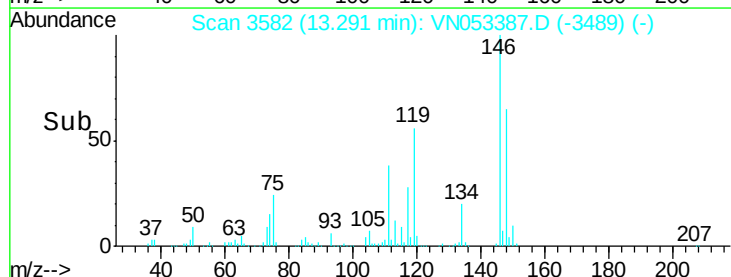
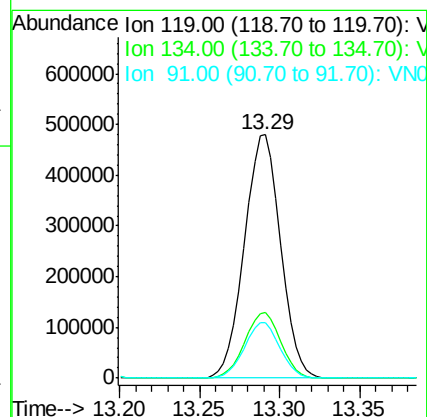
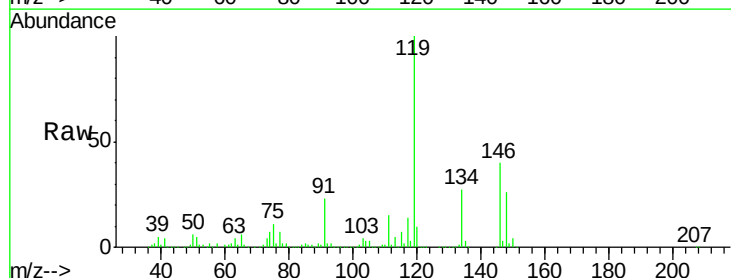
Tgt Ion:119 Resp: 737080

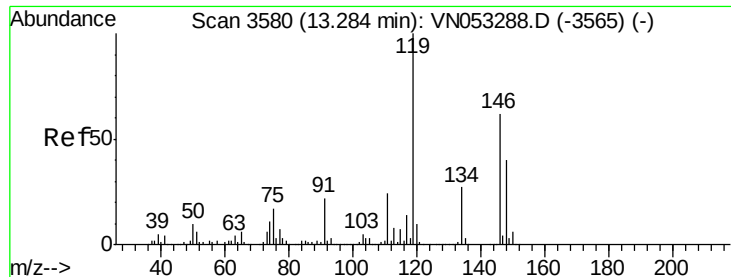
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.3 11.1 33.1





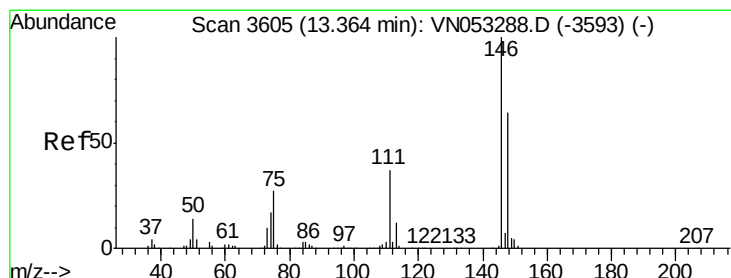
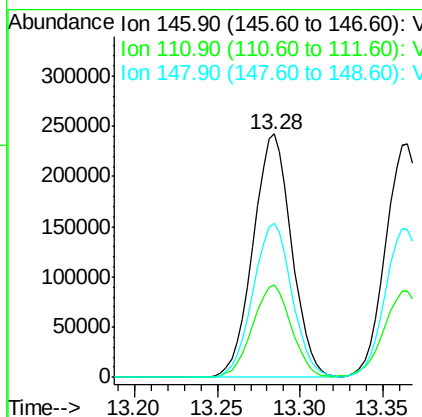
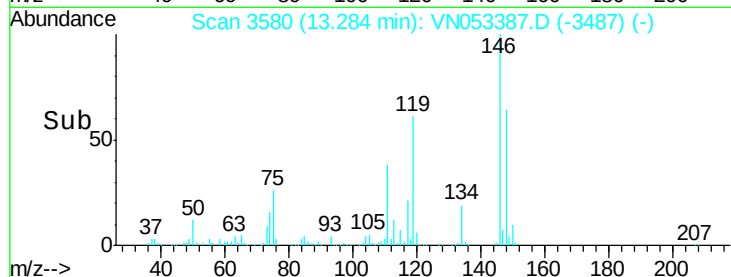
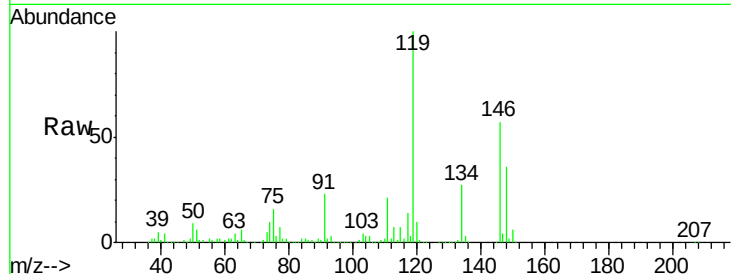
#87
 1,3-Dichlorobenzene
 Concen: 20.377 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	393271		
111	38.2	18.9	56.5	
148	64.2	32.0	96.2	

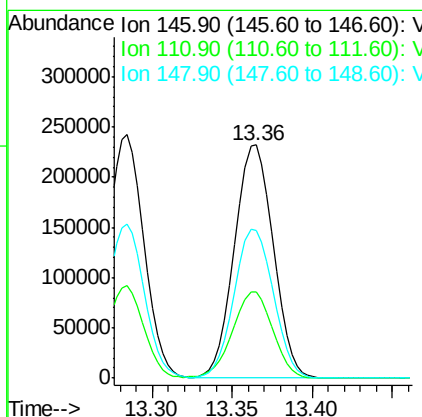
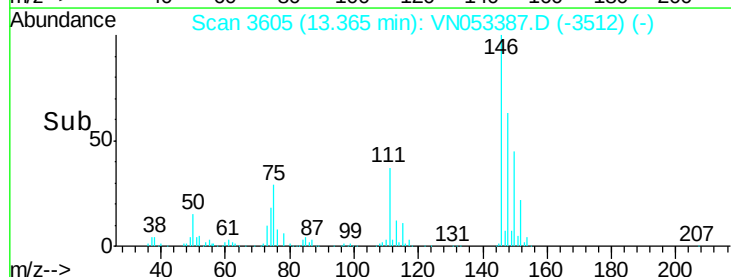
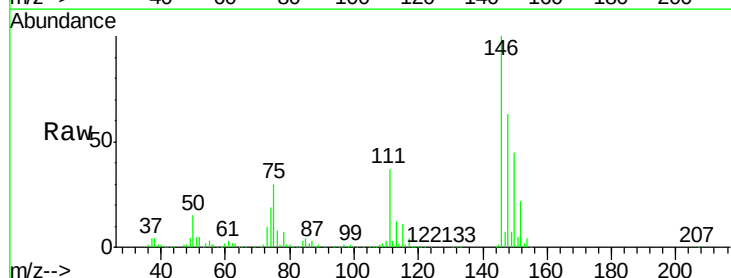
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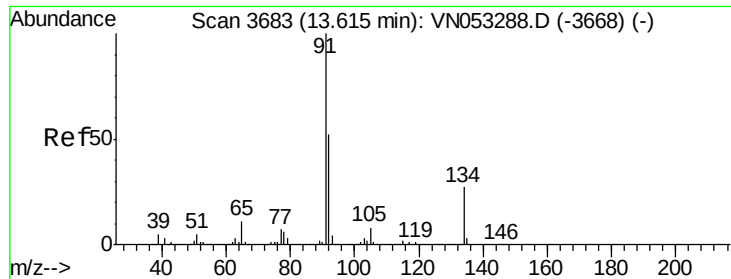
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#88
 1,4-Dichlorobenzene
 Concen: 20.186 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	386456		
111	38.2	18.6	55.8	
148	64.5	32.0	96.0	





#89

n-Butylbenzene

Concen: 21.991 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

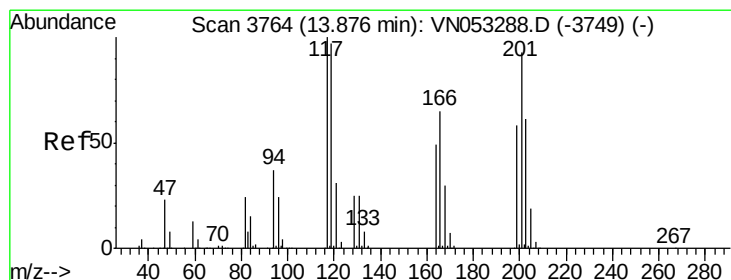
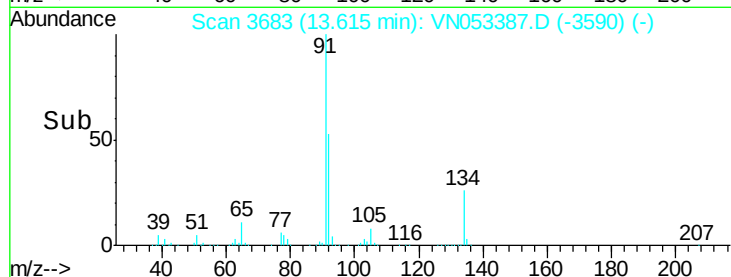
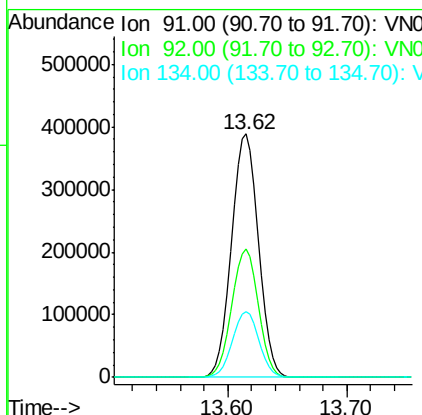
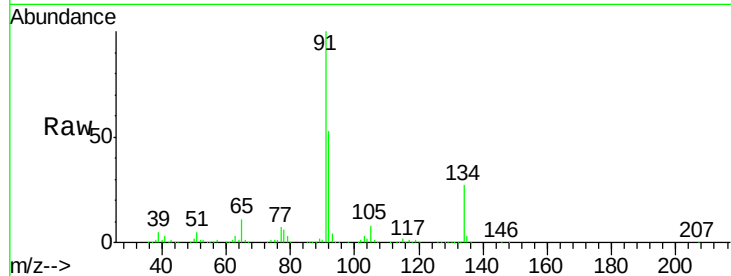
ClientSampleId :

VN0114WBSD01

Tot Ion:	91	Resp:	610946
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	26.7	13.5	40.5

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#90

Hexachloroethane

Concen: 19.989 ug/l

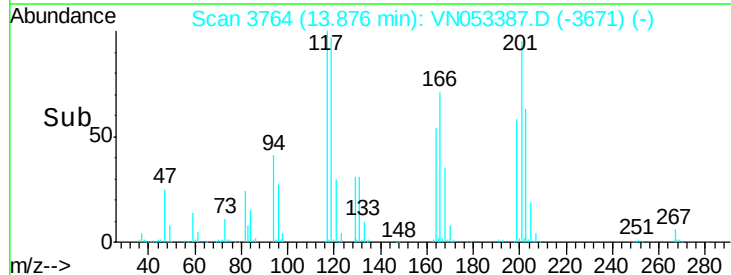
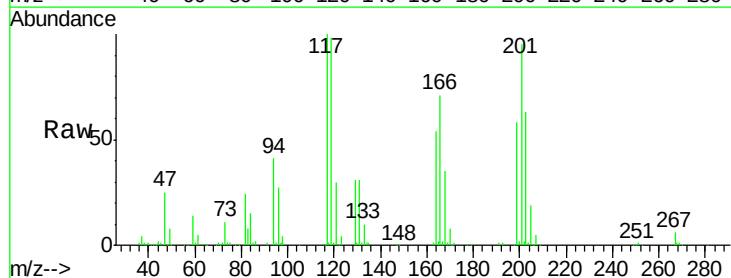
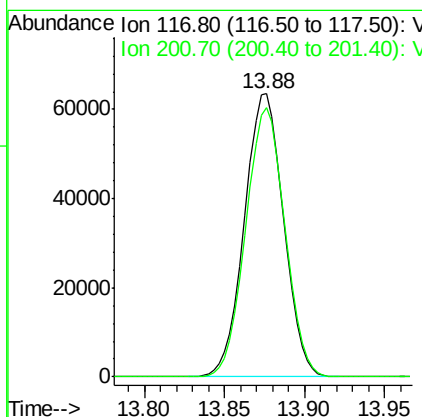
RT: 13.88 min Scan# 3764

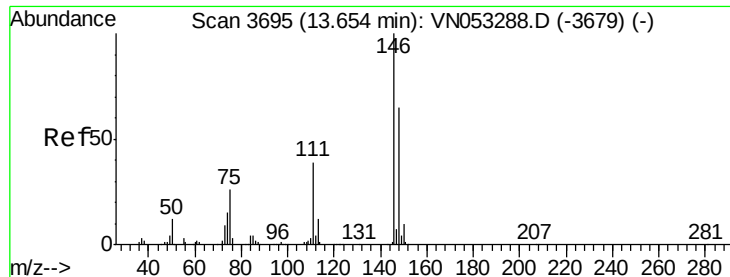
Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Tgt Ion:	117	Resp:	106165
Ion	Ratio	Lower	Upper
117	100		
201	95.0	46.1	138.3





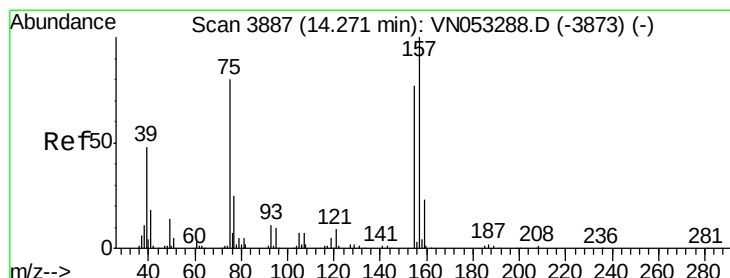
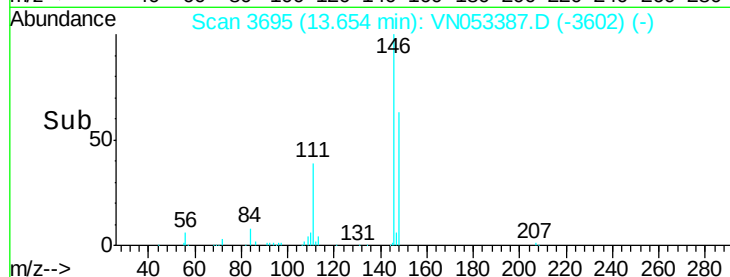
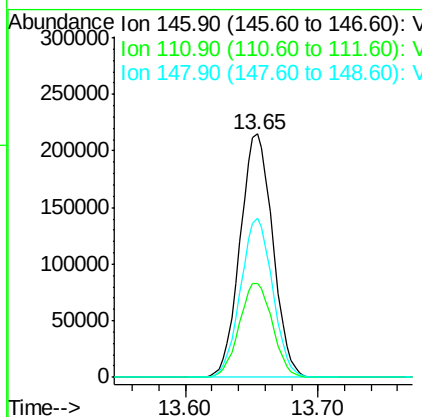
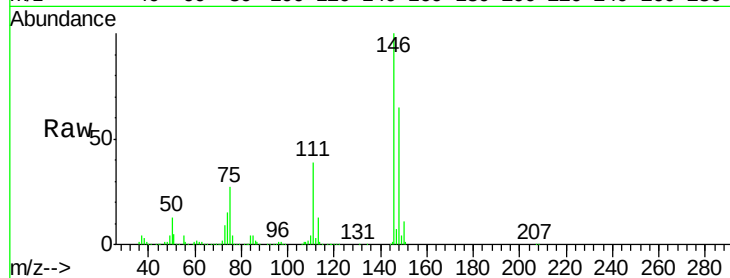
#91
 1,2-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.2
148	64.3	32.2	96.6

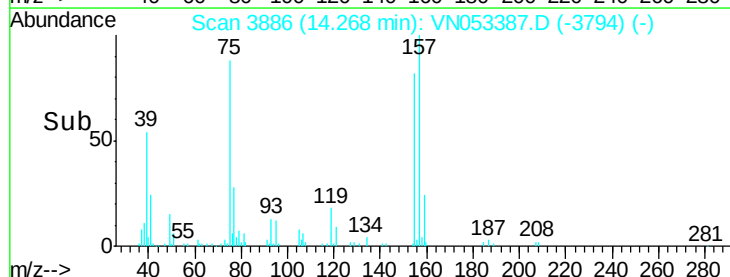
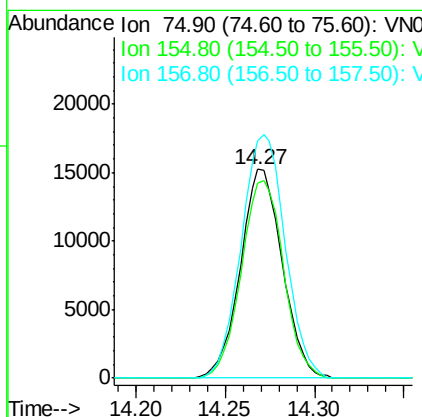
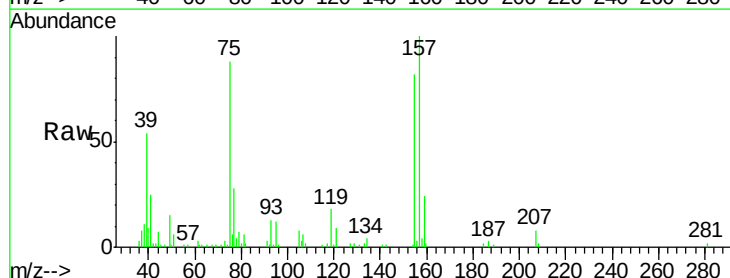
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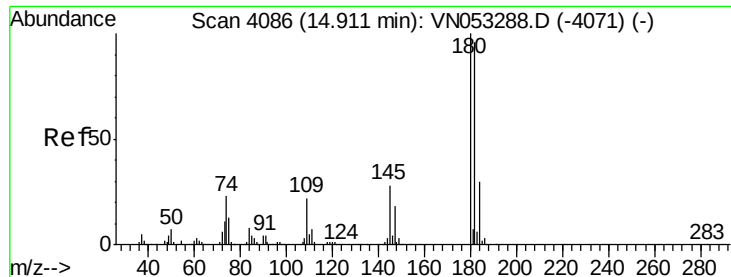
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.823 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.1	48.1	144.3
157	122.2	61.5	184.4





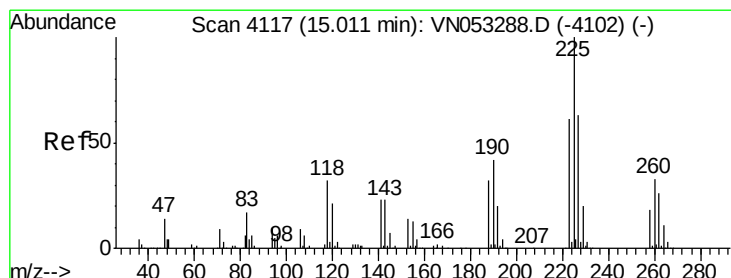
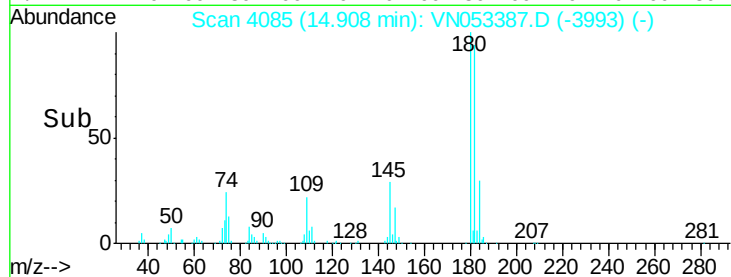
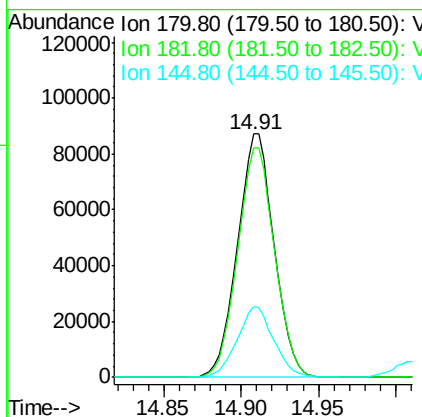
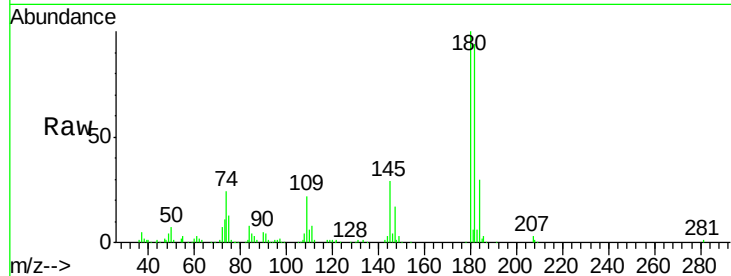
#93
 1,2,4-Trichlorobenzene
 Concen: 25.123 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142806		
182	95.5	47.8	143.4	
145	29.3	14.4	43.0	

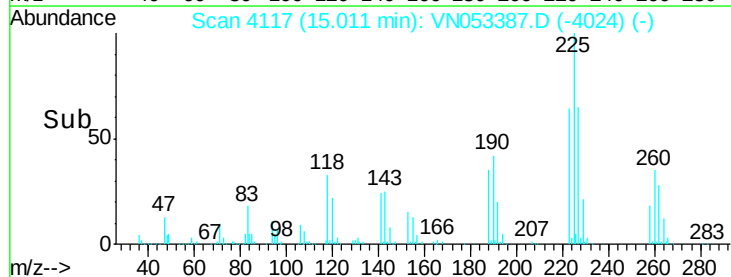
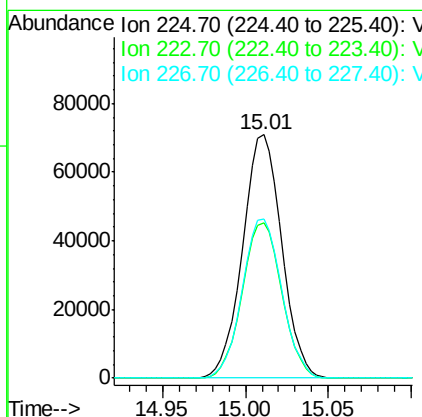
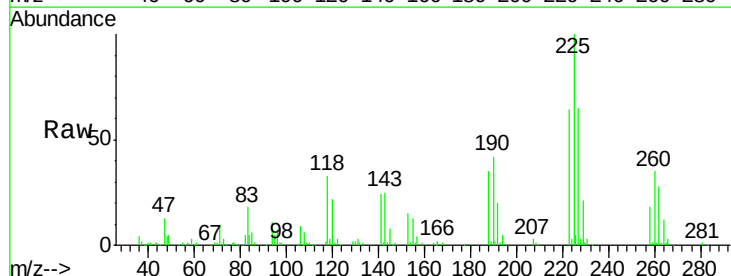
Manual Integrations
 APPROVED

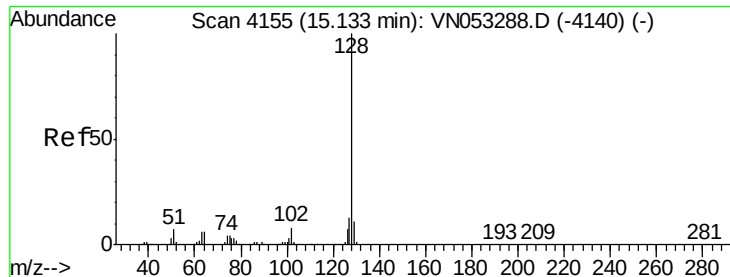
MMDadoda
 1/15/2019 11:14:25 AM



#94
 Hexachlorobutadiene
 Concen: 25.100 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053387.D
 Acq: 14 Jan 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116697		
223	64.4	30.9	92.8	
227	65.7	31.4	94.2	





#95

Naphthalene

Concen: 26.346 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Instrument :

MSVOA_N

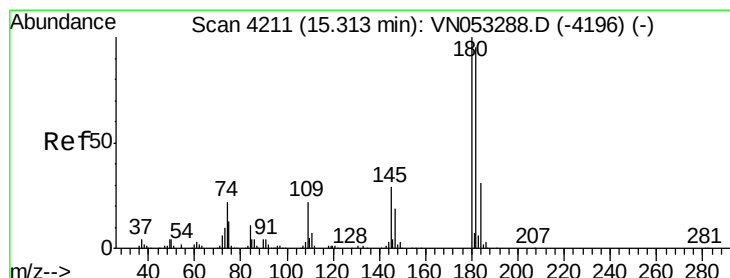
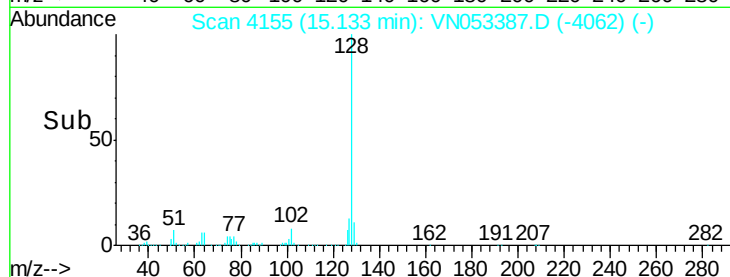
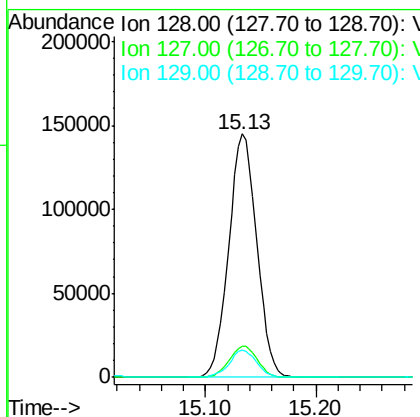
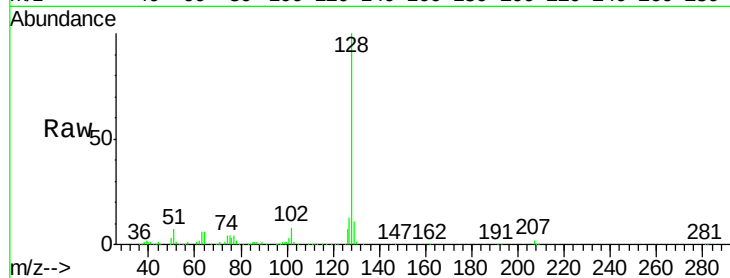
ClientSampleId :

VN0114WBSD01

Tot Ion:	128	Resp:	255479
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/15/2019 11:14:25 AM



#96

1,2,3-Trichlorobenzene

Concen: 28.157 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053387.D

Acq: 14 Jan 2019 13:17

Tgt Ion:	180	Resp:	104785
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.4	145.0
145	31.2	14.9	44.5

