

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011419\
 Data File : VN053383.D
 Acq On : 14 Jan 2019 11:30
 Operator : JC/SP
 Sample : VN0114MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:14:09 AM

Quant Time: Jan 14 23:19:26 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	820570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1250956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1139197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	552722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409723	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	7.59	113	357240	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
50) Toluene-d8	10.09	98	1484832	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	534459	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	137786	19.047	ug/l	99
3) Chloromethane	2.06	50	194447	19.248	ug/l	98
4) Vinyl Chloride	2.19	62	182942	18.973	ug/l	98
5) Bromomethane	2.55	94	119720	19.001	ug/l	100
6) Chloroethane	2.70	64	109151	18.754	ug/l	98
7) Trichlorofluoromethane	3.02	101	239746	19.196	ug/l	100
8) Diethyl Ether	3.41	74	93380	19.076	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151405	19.128	ug/l	100
10) Methyl Iodide	3.96	142	222372	20.042	ug/l	100
11) Tert butyl alcohol	4.78	59	41620	81.055	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	145480	19.001	ug/l	98
13) Acrolein	3.61	56	57779	89.495	ug/l	100
14) Allyl chloride	4.33	41	242299	19.635	ug/l	96
15) Acrylonitrile	4.99	53	288651	94.168	ug/l	99
16) Acetone	3.82	43	186410	89.291	ug/l	99
17) Carbon Disulfide	4.06	76	403757	17.105	ug/l	100
18) Methyl Acetate	4.32	43	142231	18.409	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	415210	19.322	ug/l	99
20) Methylene Chloride	4.55	84	176070	19.203	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	157025	19.101	ug/l	98
22) Diisopropyl ether	5.95	45	535475	20.142	ug/l	99
23) Vinyl Acetate	5.90	43	1618349	96.749	ug/l	99
24) 1,1-Dichloroethane	5.85	63	300467	19.597	ug/l	100
25) 2-Butanone	6.83	43	317282	90.590	ug/l	99
26) 2,2-Dichloropropane	6.83	77	223939	19.980	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	187581	19.981	ug/l	99
28) Bromochloromethane	7.19	49	140333	21.478	ug/l	99
29) Tetrahydrofuran	7.21	42	212857	92.096	ug/l	98
30) Chloroform	7.37	83	301107	19.952	ug/l	99
31) Cyclohexane	7.66	56	278310	18.980	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	250234	19.898	ug/l	99
36) 1,1-Dichloropropene	7.79	75	227840	19.509	ug/l	99
37) Ethyl Acetate	6.93	43	141239	18.567	ug/l	99
38) Carbon Tetrachloride	7.78	117	212967	19.757	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	271882	20.095	ug/l	99
40) Benzene	8.04	78	707698	19.838	ug/l	99
41) Methacrylonitrile	7.17	41	75563	16.000	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	212497	20.082	ug/l	99
43) Isopropyl Acetate	8.16	43	258608	17.281	ug/l #	90
44) Trichloroethene	8.83	130	192728	19.675	ug/l	99
45) 1,2-Dichloropropane	9.12	63	187964	20.090	ug/l	97
46) Dibromomethane	9.21	93	107234	19.657	ug/l	100
47) Bromodichloromethane	9.40	83	223577	19.666	ug/l	98
48) Methyl methacrylate	9.20	41	128926	18.963	ug/l	99
49) 1,4-Dioxane	9.20	88	23900	329.953	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	718847	95.522	ug/l	100
52) Toluene	10.16	92	439965	20.103	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	229280	19.715	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	271289	20.187	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	158793	19.733	ug/l	98
56) Ethyl methacrylate	10.43	69	204331	19.539	ug/l	100
57) 1,3-Dichloropropane	10.71	76	269598	20.034	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	541956	95.861	ug/l	100
59) 2-Hexanone	10.75	43	496536	96.300	ug/l	99
60) Dibromochloromethane	10.90	129	171648	19.776	ug/l	99
61) 1,2-Dibromoethane	11.01	107	155368	19.565	ug/l	97
64) Tetrachloroethene	10.63	164	218513	20.380	ug/l	99
65) Chlorobenzene	11.43	112	497345	20.097	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	172280	19.889	ug/l	99
67) Ethyl Benzene	11.51	91	845309	20.102	ug/l	100
68) m/p-Xylenes	11.62	106	648129	40.988	ug/l	100
69) o-Xylene	11.95	106	317707	20.523	ug/l	99
70) Styrene	11.96	104	526345	20.891	ug/l	99
71) Bromoform	12.13	173	120271	19.658	ug/l #	99
73) Isopropylbenzene	12.25	105	838458	20.375	ug/l	100
74) N-amyl acetate	12.07	43	233661	19.015	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	182389	19.267	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	160463m	19.904	ug/l	
77) Bromobenzene	12.53	156	221200	20.140	ug/l	99
78) n-propylbenzene	12.59	91	965677	20.746	ug/l	98
79) 2-Chlorotoluene	12.67	91	572797	20.337	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	694688	20.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52914	19.311	ug/l	95
82) 4-Chlorotoluene	12.77	91	581570	20.137	ug/l	100
83) tert-Butylbenzene	12.99	119	611112	21.013	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	699940	20.727	ug/l	100
85) sec-Butylbenzene	13.17	105	835423	21.782	ug/l	100
86) p-Isopropyltoluene	13.29	119	728171	21.928	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	389109	20.118	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	382135	19.917	ug/l	99
89) n-Butylbenzene	13.62	91	600650	21.574	ug/l	99
90) Hexachloroethane	13.88	117	107616	20.219	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	366039	20.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22322	19.441	ug/l	95

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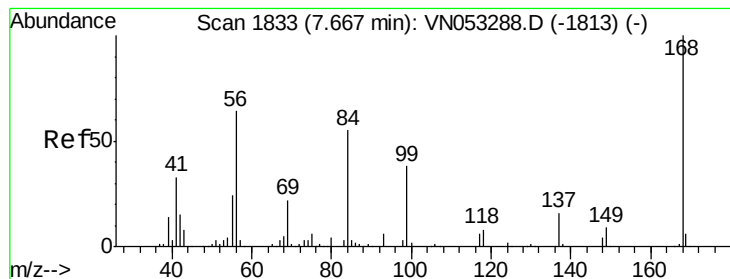
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141216	24.790	ug/l	98
94) Hexachlorobutadiene	15.01	225	116718	25.050	ug/l	98
95) Naphthalene	15.13	128	234676	24.149	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	97037	26.018	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion:168 Resp: 820570

Ion Ratio Lower Upper

168 100

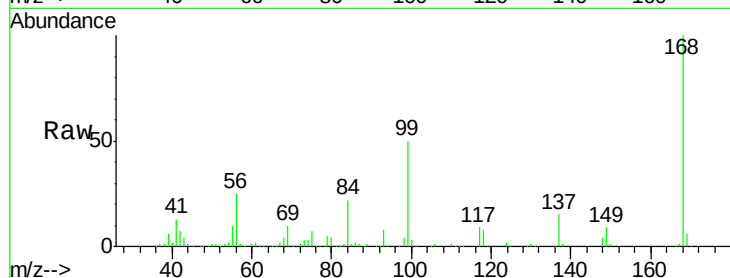
99 49.9 39.1 58.7

Manual Integrations

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1/15/2019 11:14:09 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

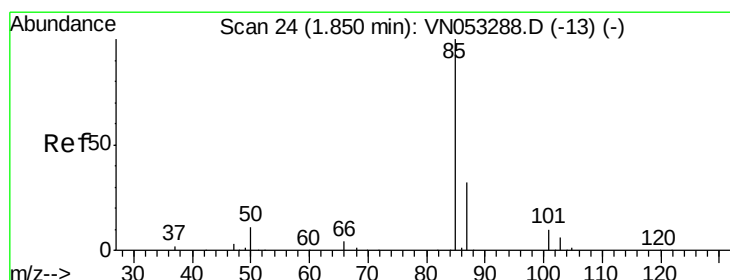
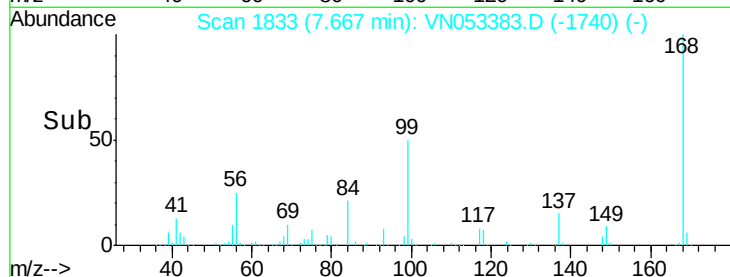
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.047 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053383.D

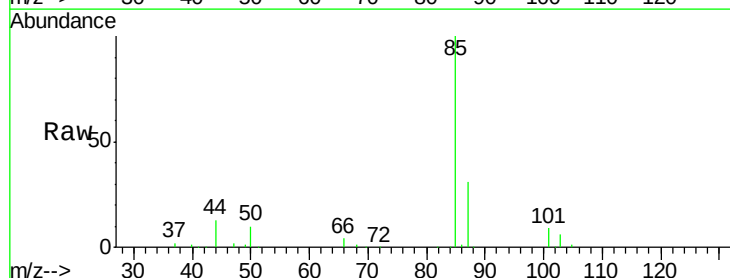
Acq: 14 Jan 2019 11:30

Tgt Ion: 85 Resp: 137786

Ion Ratio Lower Upper

85 100

87 31.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

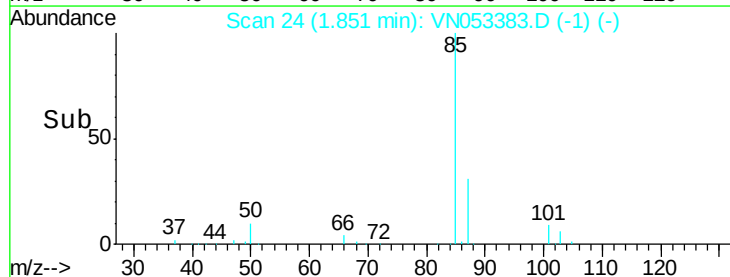
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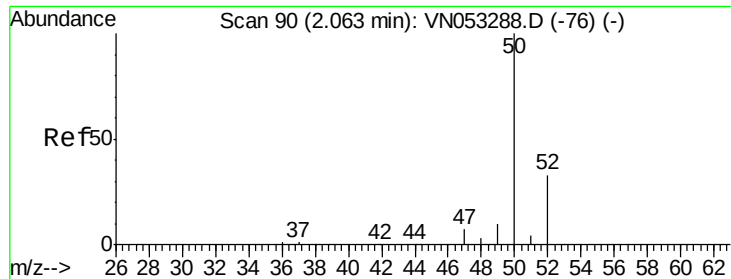
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.248 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0114MBS01

Tot Ion: 50 Resp: 194447

Ion Ratio Lower Upper

50 100

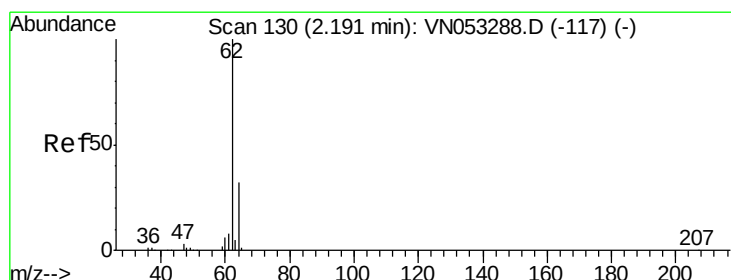
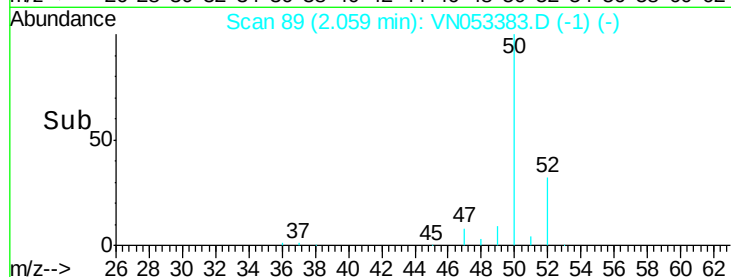
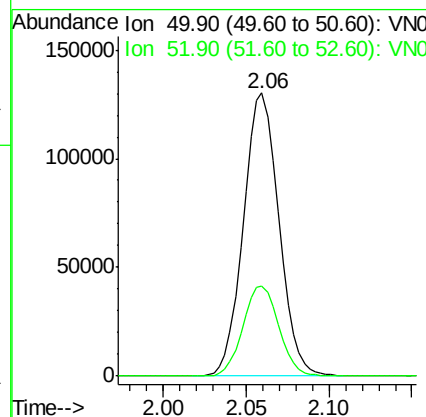
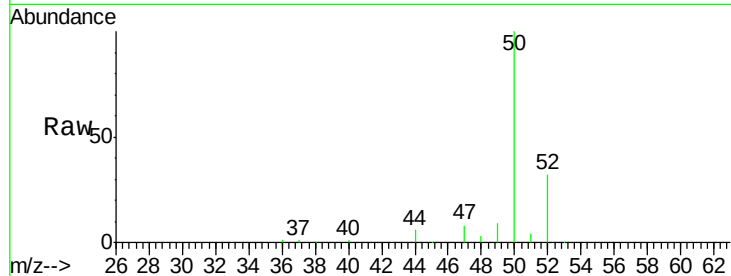
52 32.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.973 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053383.D

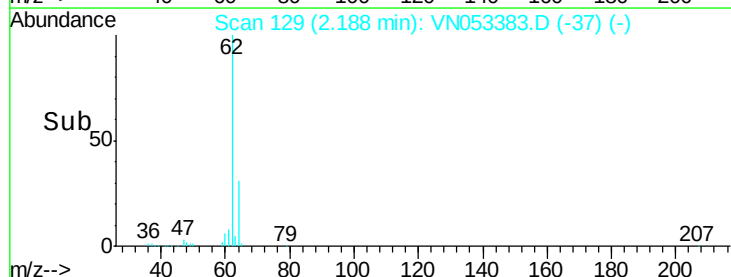
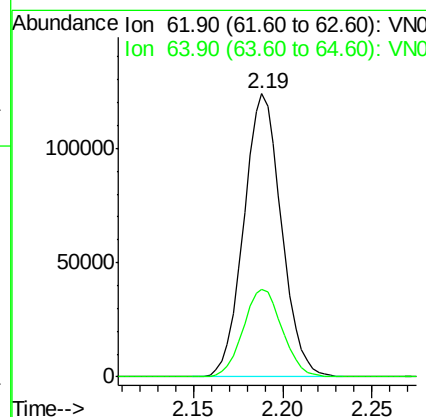
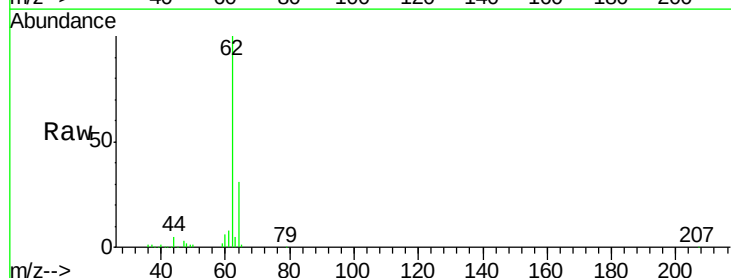
Acq: 14 Jan 2019 11:30

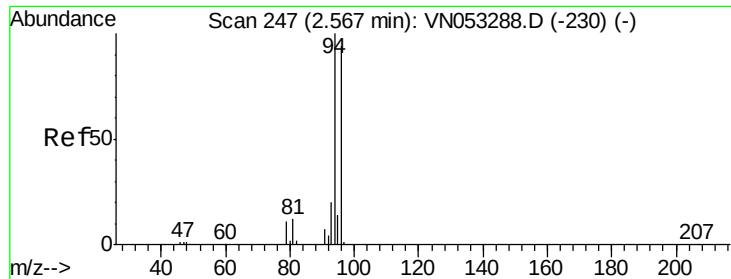
Tgt Ion: 62 Resp: 182942

Ion Ratio Lower Upper

62 100

64 31.1 25.6 38.4





#5

Bromomethane

Concen: 19.001 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion: 94 Resp: 119720

Ion Ratio Lower Upper

94 100

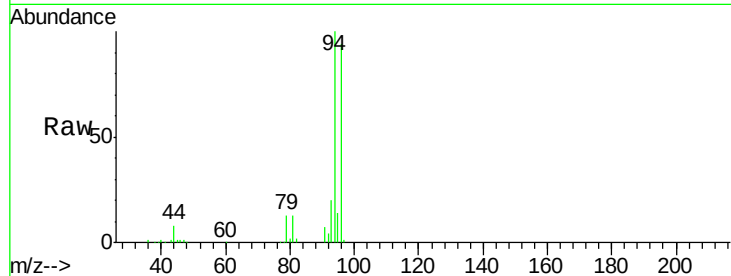
96 94.0 74.9 112.3

Manual Integrations

APPROVED

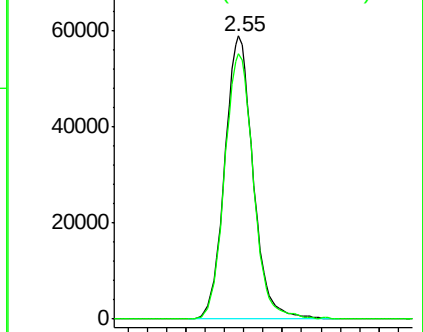
MMDadoda

1/15/2019 11:14:09 AM

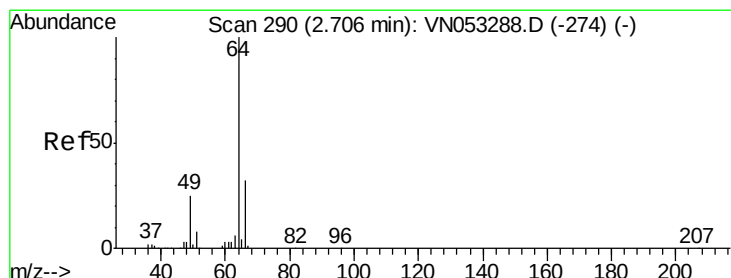
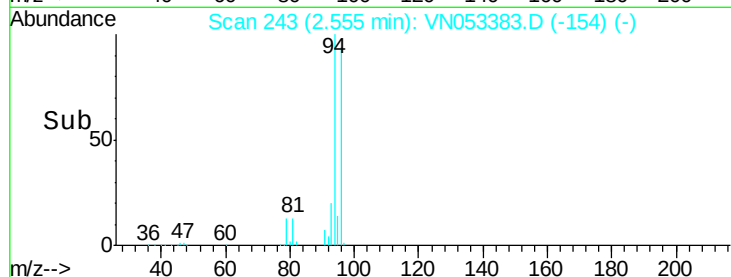


Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



Time-->



#6

Chloroethane

Concen: 18.754 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN053383.D

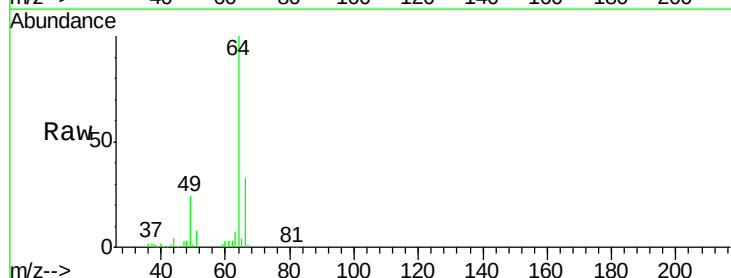
Acq: 14 Jan 2019 11:30

Tgt Ion: 64 Resp: 109151

Ion Ratio Lower Upper

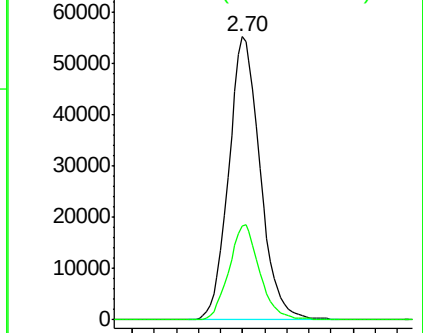
64 100

66 33.1 25.6 38.4

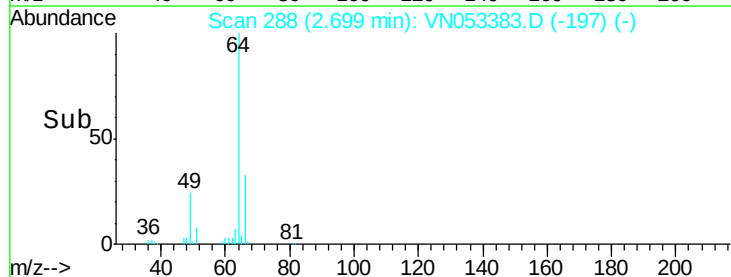


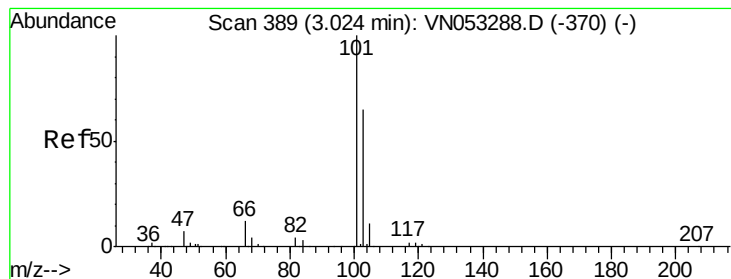
Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



Time-->





#7

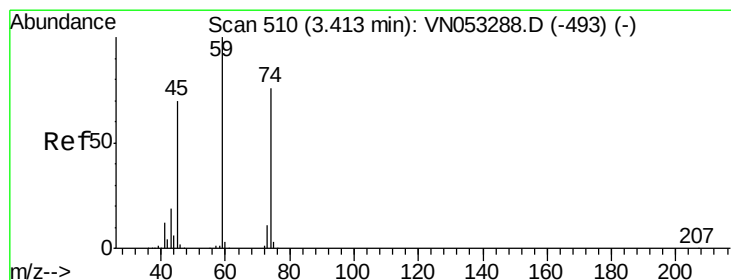
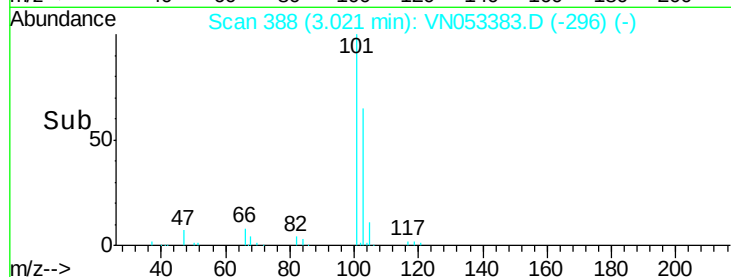
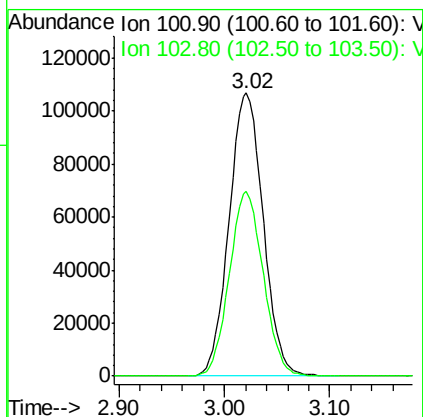
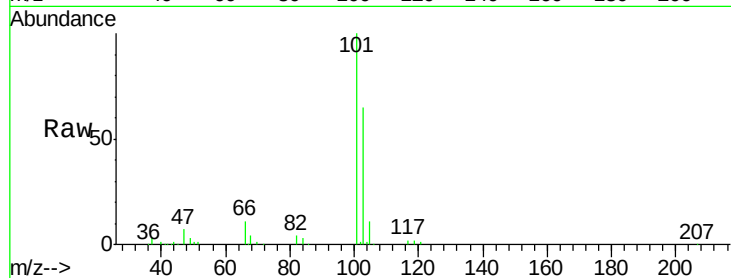
Trichlorofluoromethane
 Concen: 19.196 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

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 VN0114MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		239746		
103	65.3	52.1	78.1		

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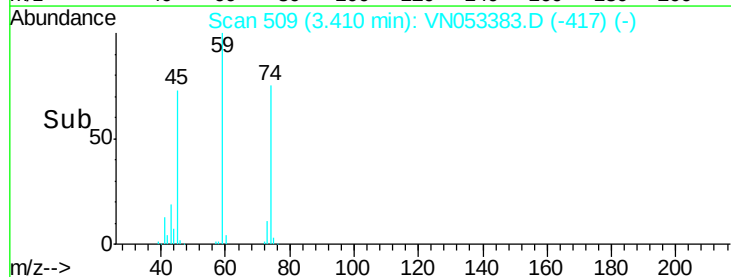
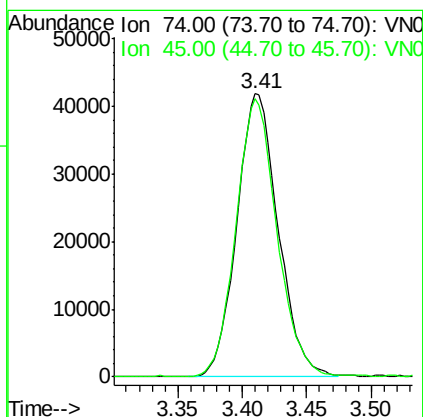
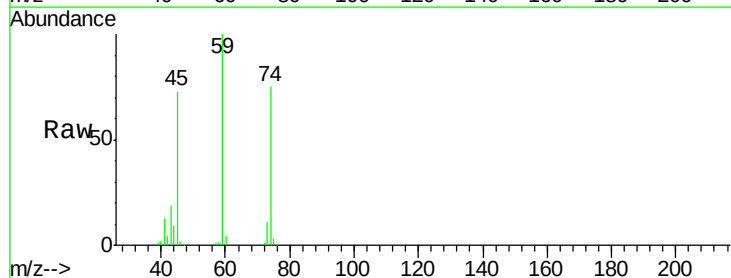
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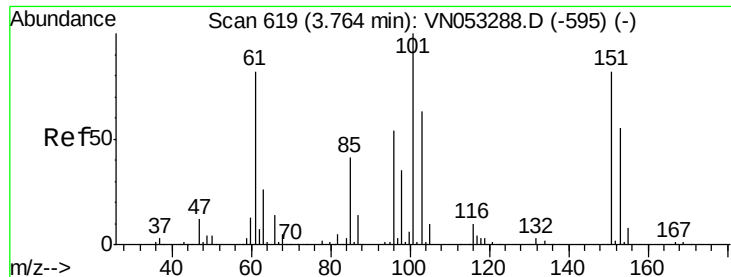


#8

Diethyl Ether
 Concen: 19.076 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		93380		
45	97.7	48.3	144.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.128 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

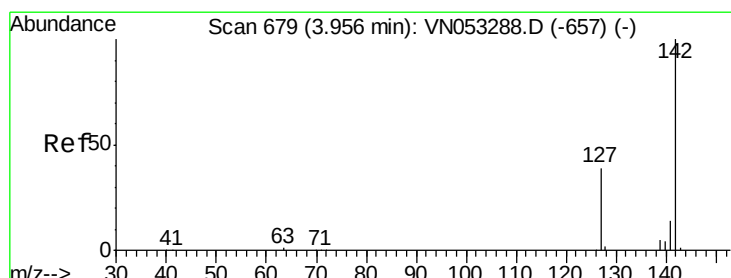
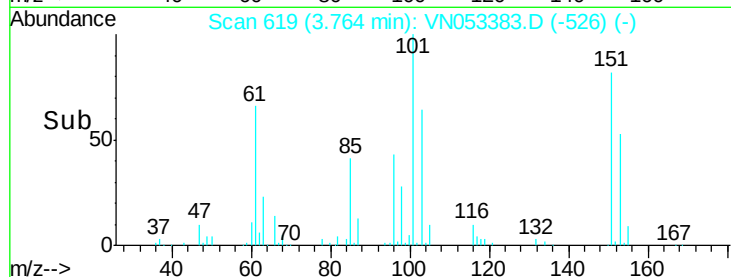
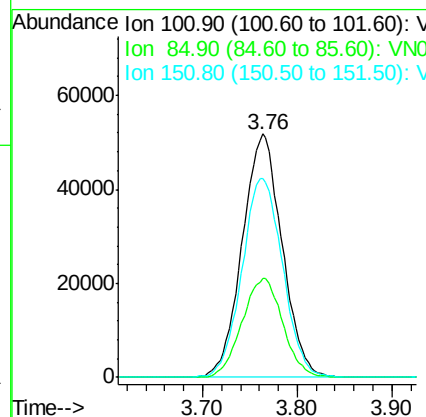
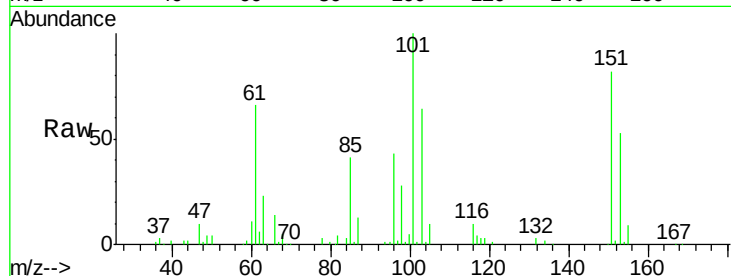
ClientSampleId :

VN0114MBS01

Tot Ion:	101	Resp:	151405
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.3	49.9
151	83.5	67.0	100.4

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#10

Methyl Iodide

Concen: 20.042 ug/l

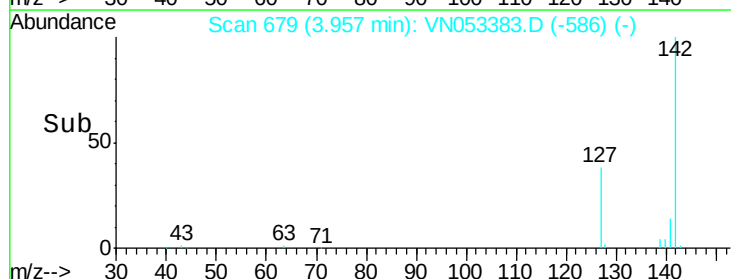
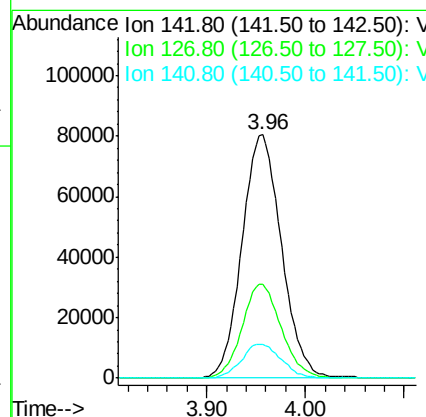
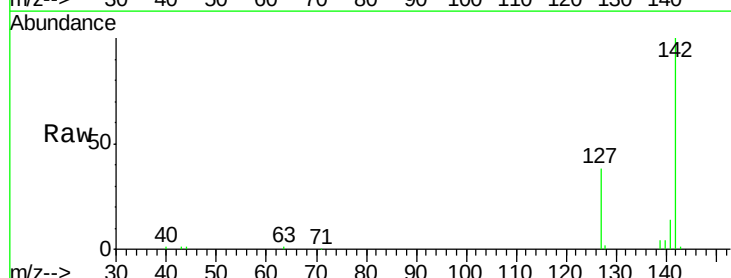
RT: 3.96 min Scan# 679

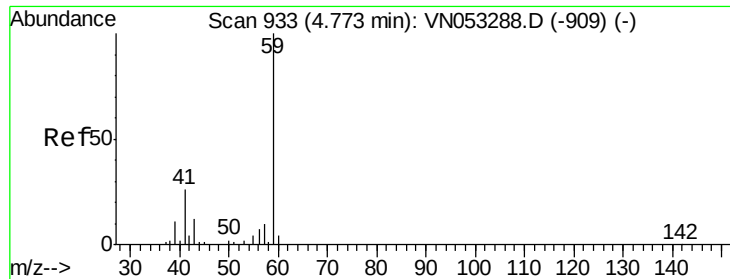
Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion:	142	Resp:	222372
Ion Ratio	Lower	Upper	
142	100		
127	38.5	30.9	46.3
141	14.1	11.2	16.8





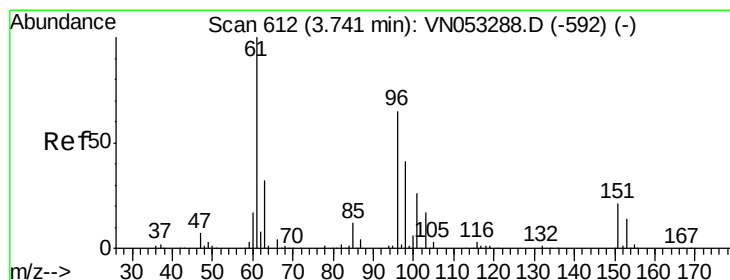
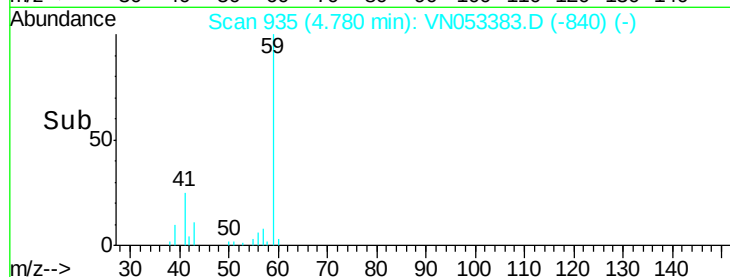
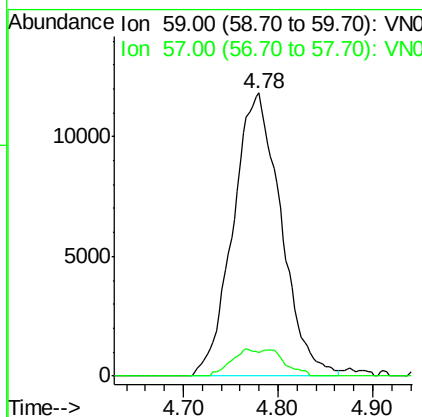
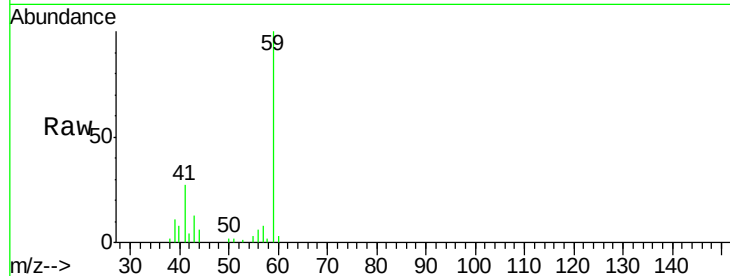
#11
Tert butyl alcohol
Concen: 81.055 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0114MBS01

Tot Ion: 59 Resp: 41620
Ion Ratio Lower Upper
59 100
57 5.3 8.0 12.0#

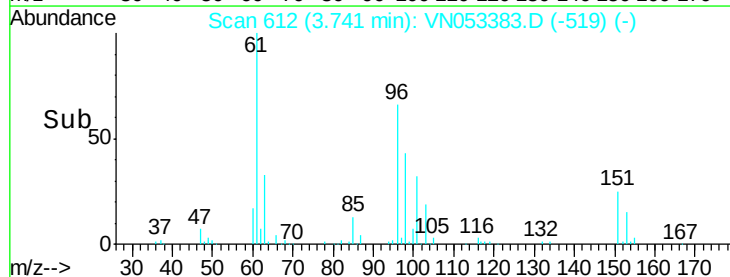
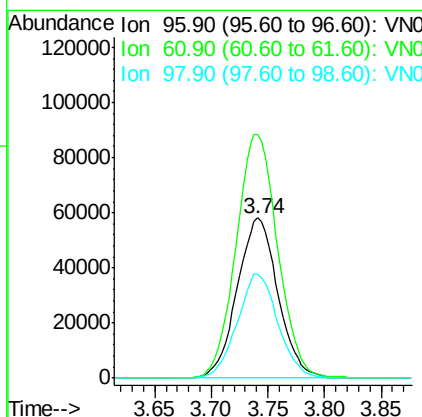
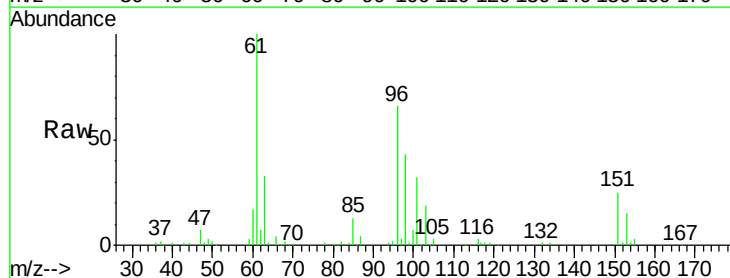
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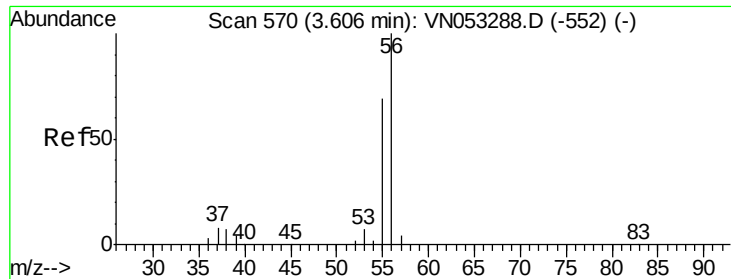
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.001 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion: 96 Resp: 145480
Ion Ratio Lower Upper
96 100
61 151.9 123.2 184.8
98 64.9 50.5 75.7





#13

Acrolein

Concen: 89.495 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion: 56 Resp: 57779

Ion Ratio Lower Upper

56 100

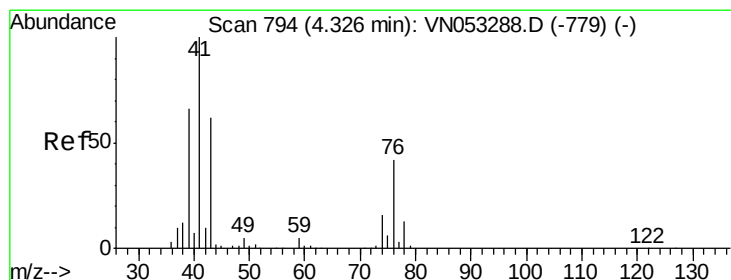
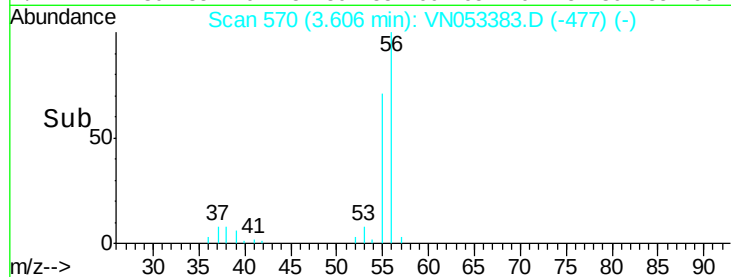
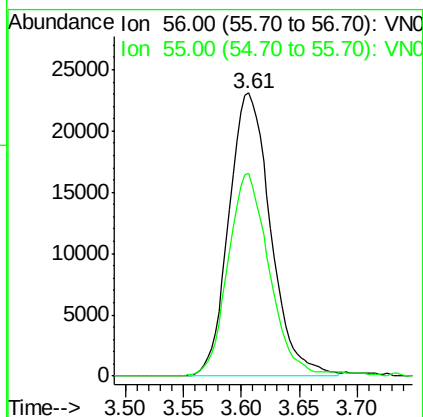
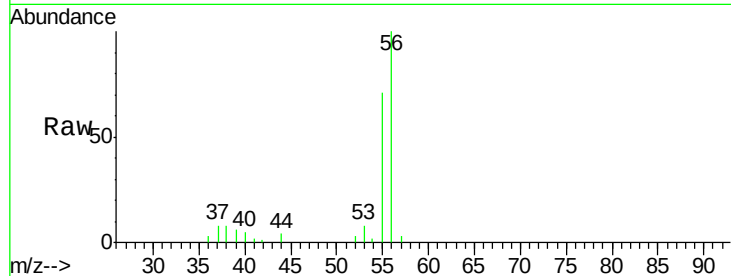
55 70.0 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.635 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

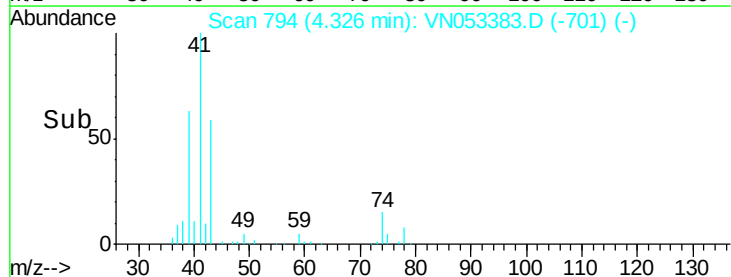
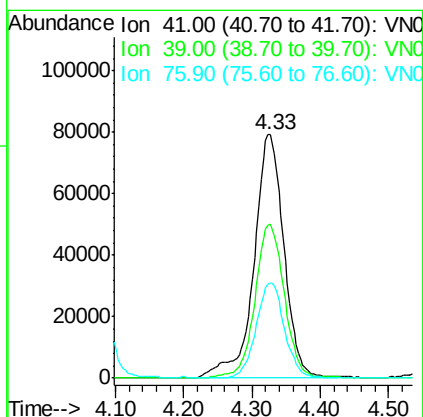
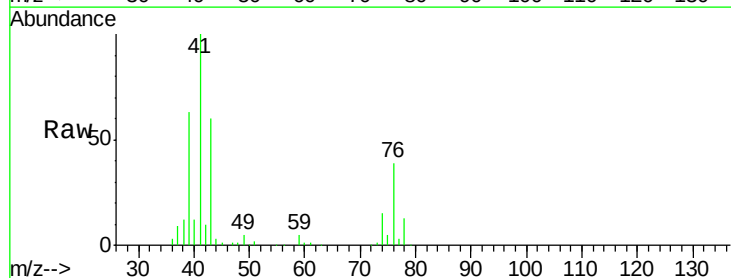
Tgt Ion: 41 Resp: 242299

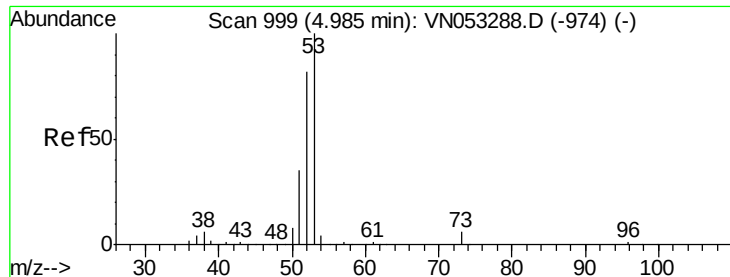
Ion Ratio Lower Upper

41 100

39 61.5 51.9 77.9

76 36.7 31.2 46.8





#15

Acrylonitrile

Concen: 94.168 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

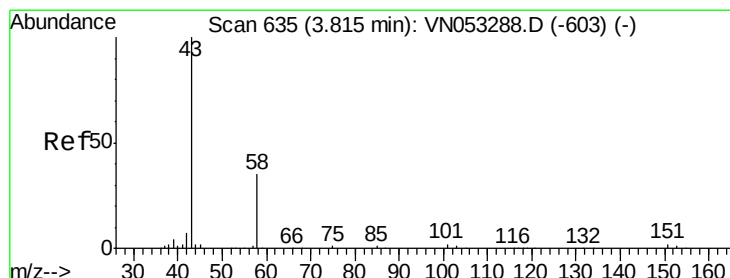
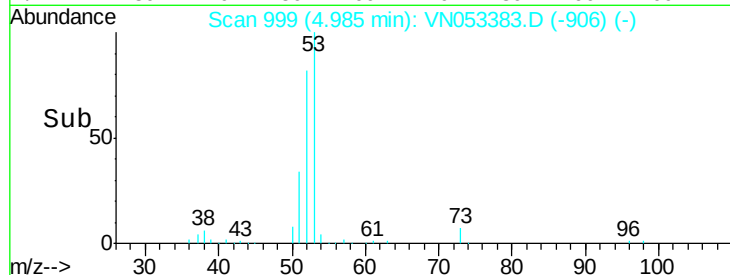
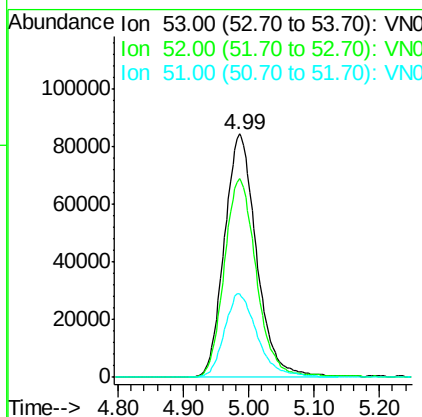
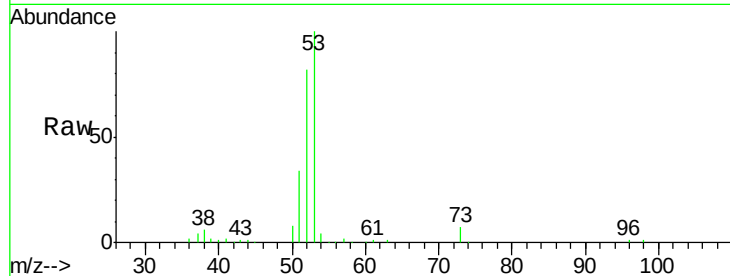
ClientSampleId :

VN0114MBS01

Tot Ion:	53	Resp:	288651
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.2	97.8
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 89.291 ug/l

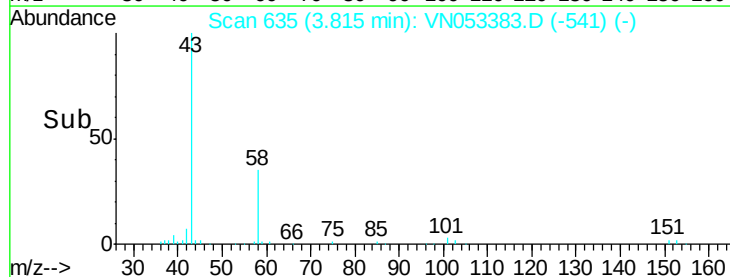
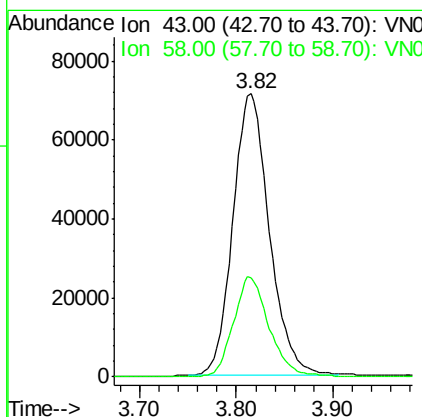
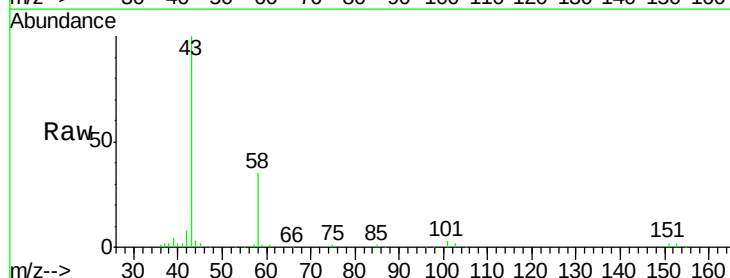
RT: 3.82 min Scan# 635

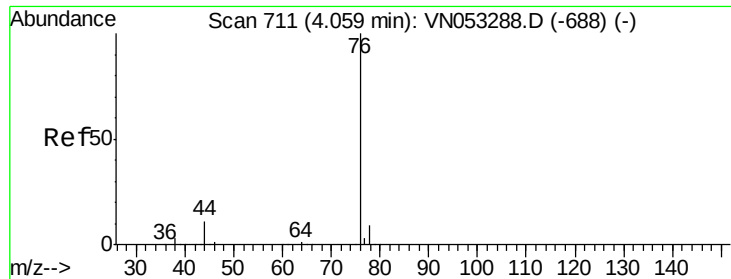
Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion:	43	Resp:	186410
Ion	Ratio	Lower	Upper
43	100		
58	35.3	27.8	41.6





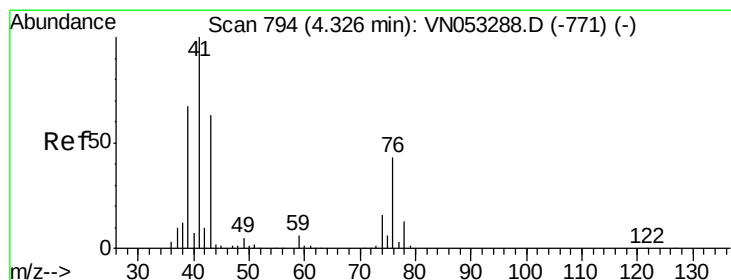
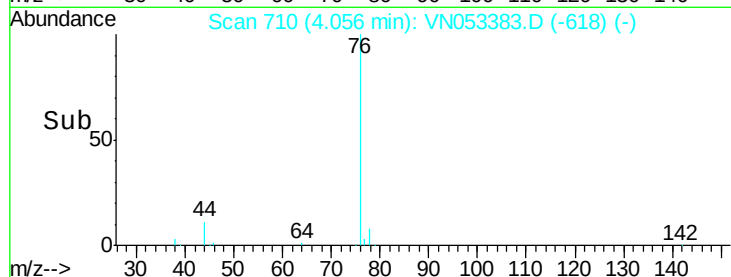
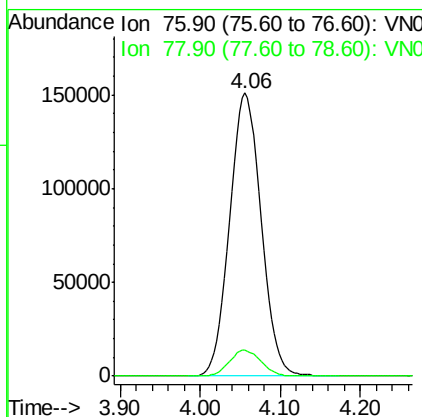
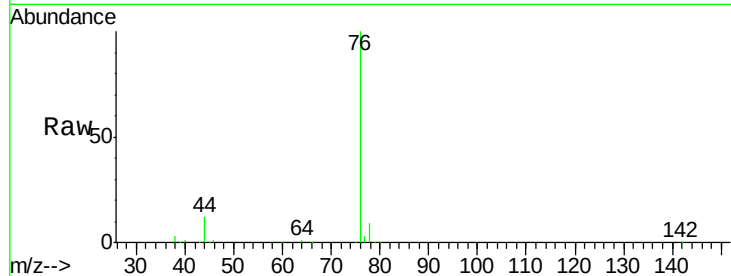
#17
Carbon Disulfide
Concen: 17.105 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

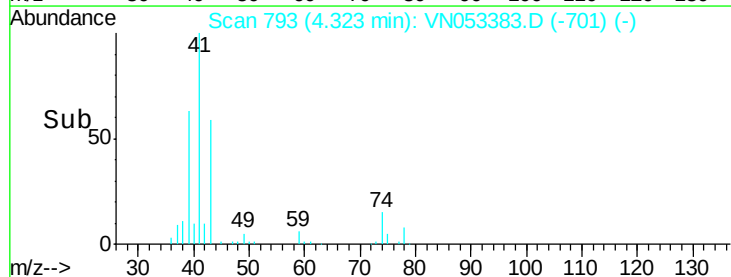
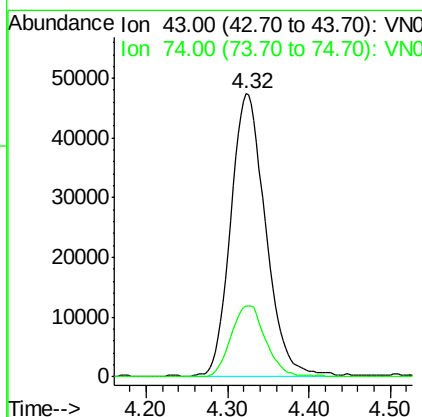
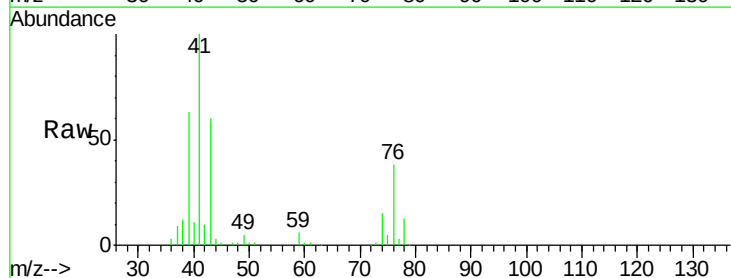
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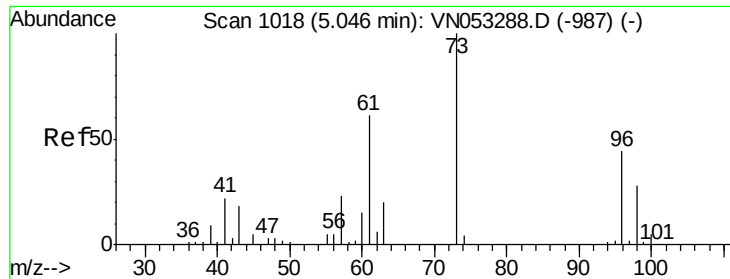
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#18
Methyl Acetate
Concen: 18.409 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





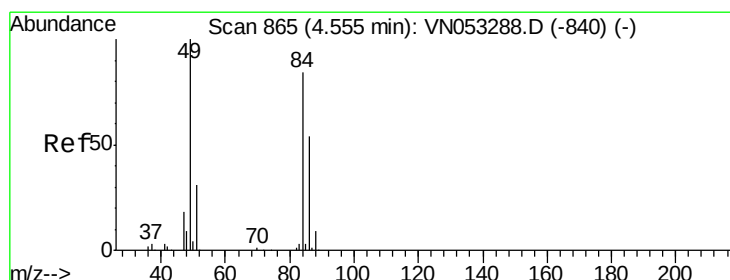
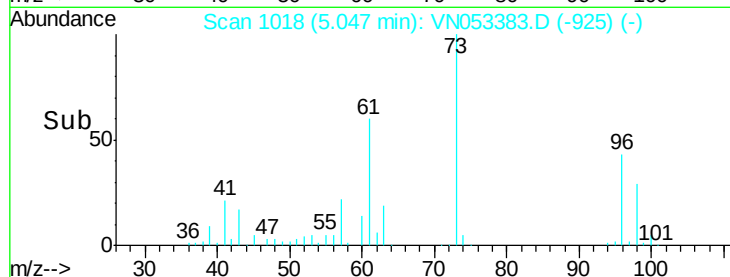
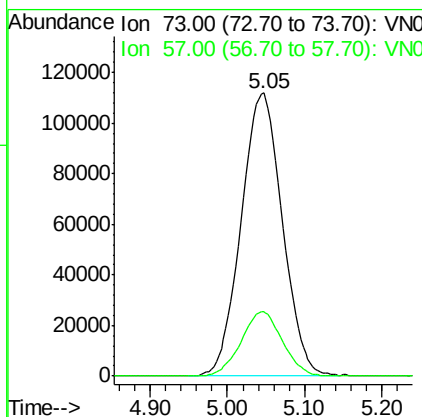
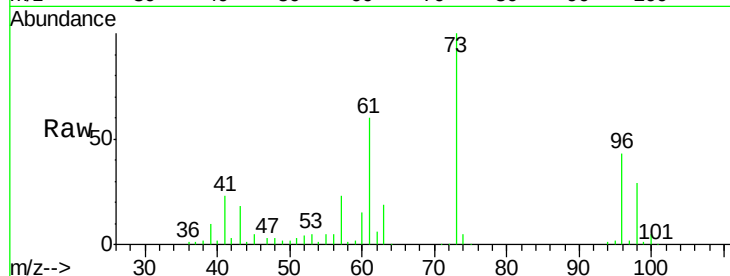
#19
Methyl tert-butyl Ether
Concen: 19.322 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion: 73 Resp: 415210
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7

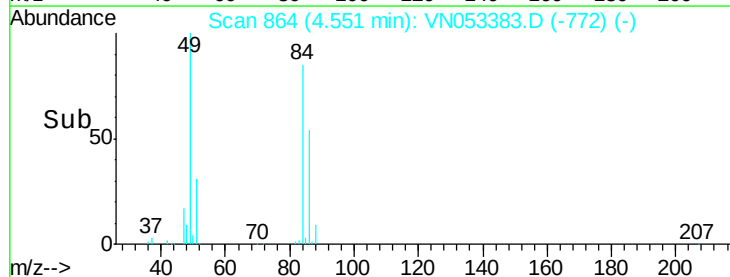
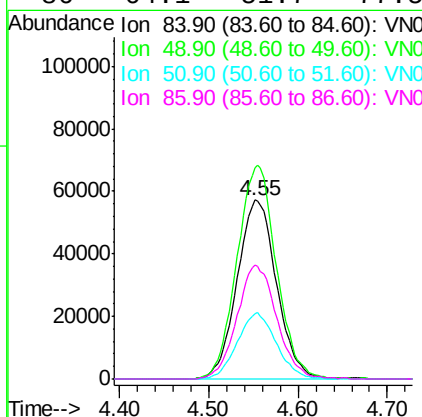
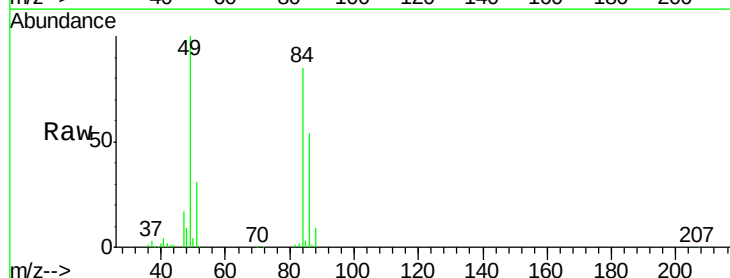
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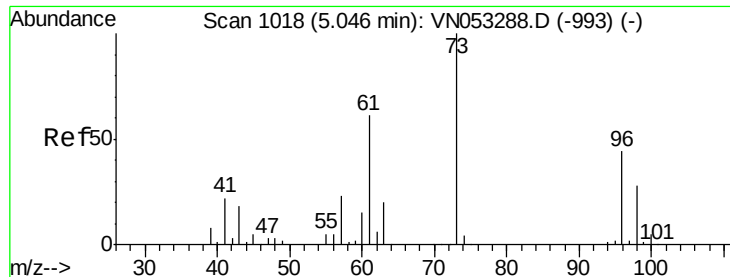
MMDadoda
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#20
Methylene Chloride
Concen: 19.203 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion: 84 Resp: 176070
Ion Ratio Lower Upper
84 100
49 118.3 95.3 142.9
51 36.7 29.0 43.6
86 64.1 51.7 77.5





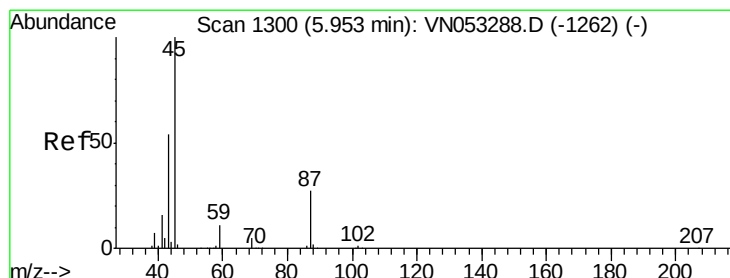
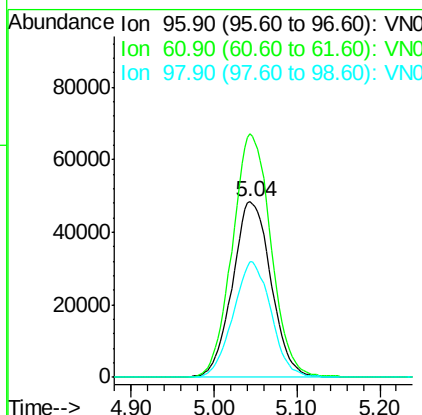
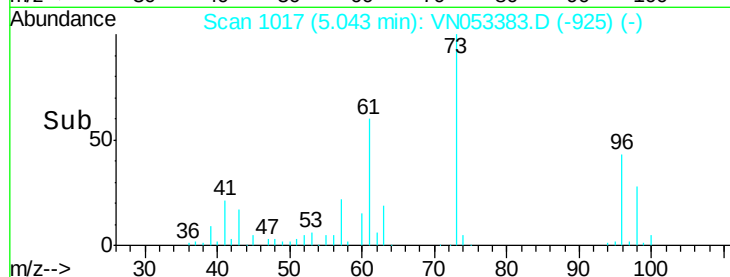
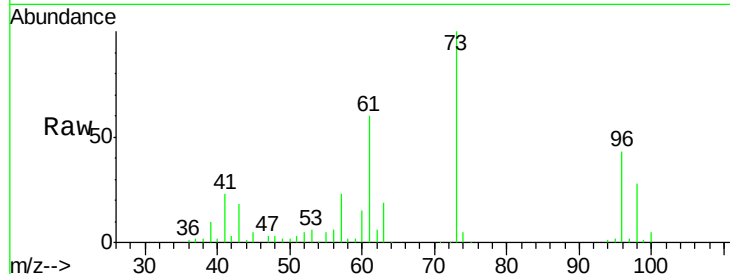
#21
trans-1,2-Dichloroethene
Concen: 19.101 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	110.2	165.4
98	65.6	50.7	76.1

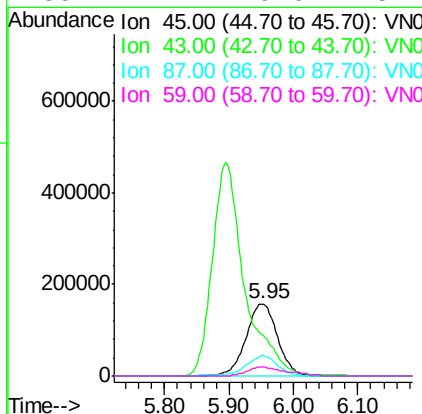
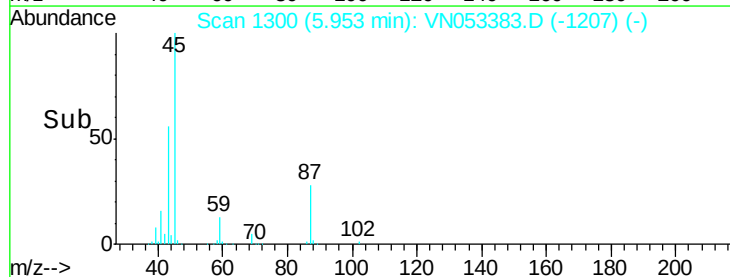
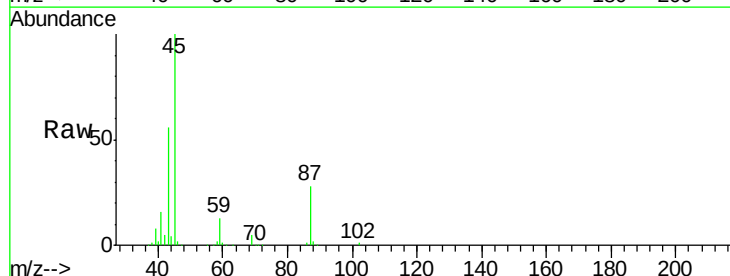
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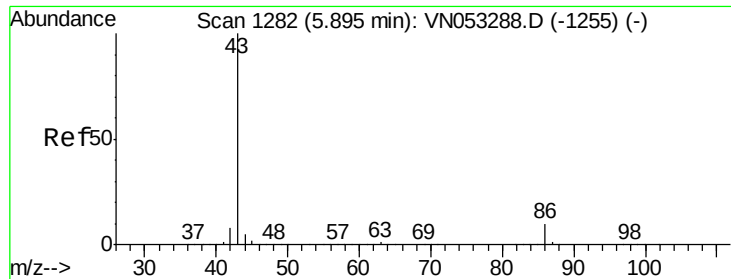
MMDadoda
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#22
Diisopropyl ether
Concen: 20.142 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.0	64.6
87	27.9	22.1	33.1
59	12.4	9.0	13.4





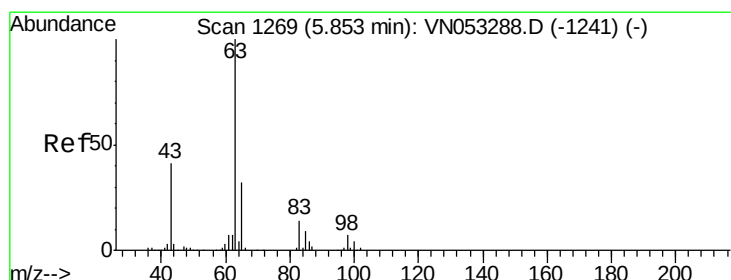
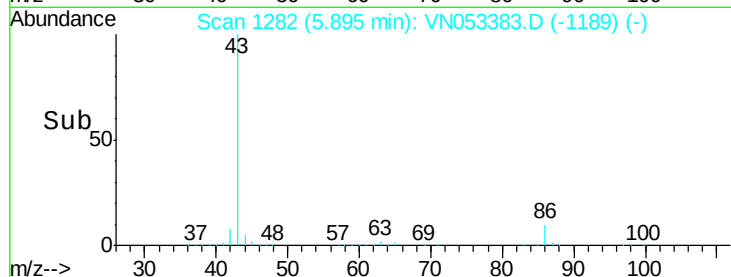
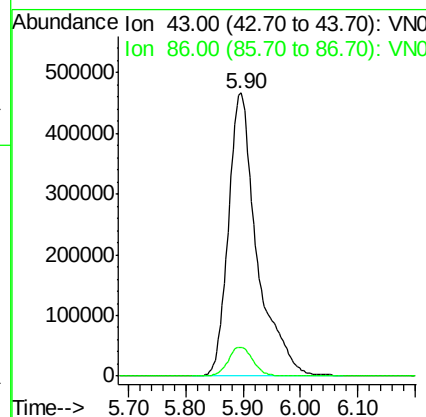
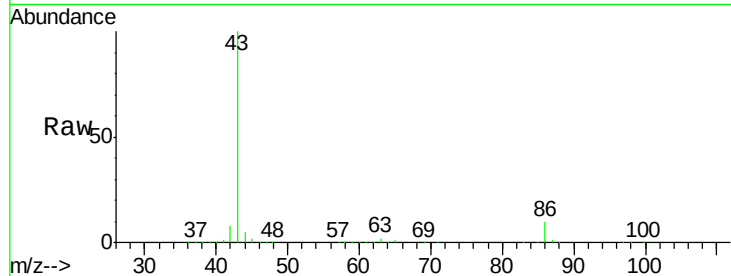
#23
 Vinyl Acetate
 Concen: 96.749 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Tot Ion: 43 Resp: 1618349
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.4 12.6

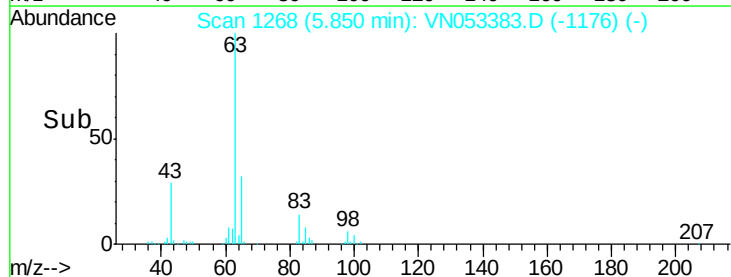
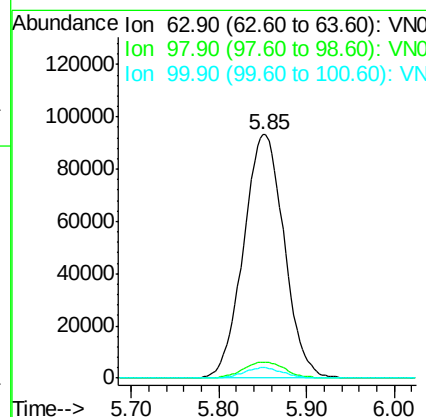
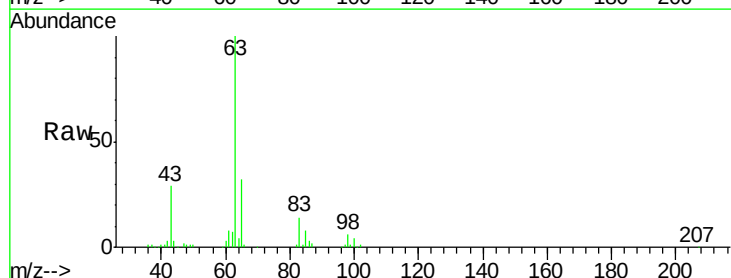
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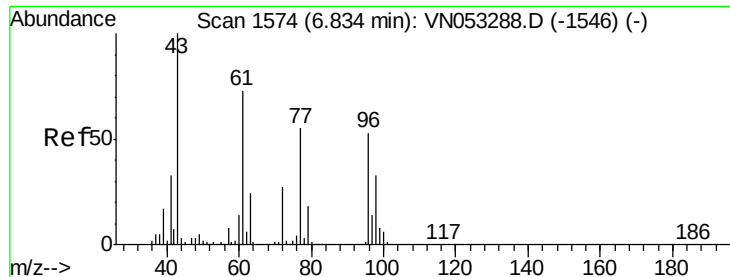
MMDadoda
 1/15/2019 11:14:09 AM



#24
 1,1-Dichloroethane
 Concen: 19.597 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion: 63 Resp: 300467
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.8
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 90.590 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0114MBS01

Tot Ion: 43 Resp: 317282

Ion Ratio Lower Upper

43 100

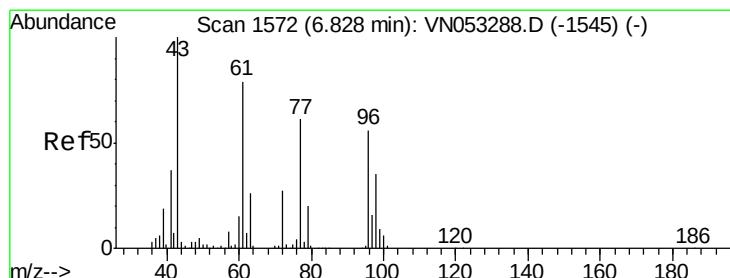
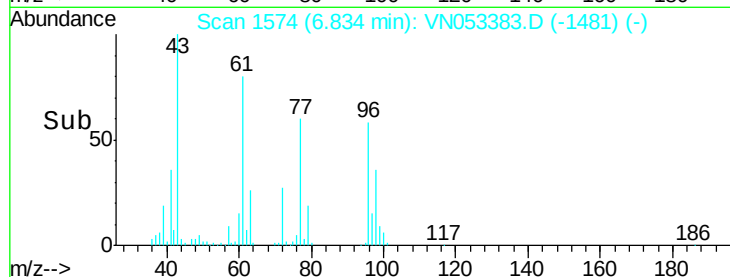
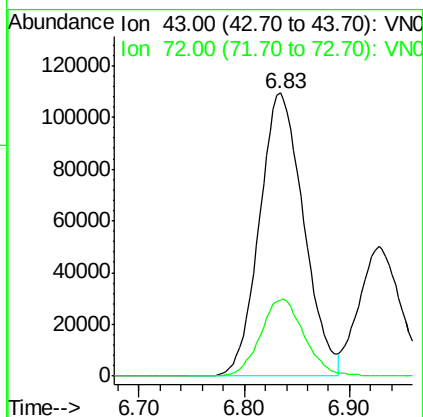
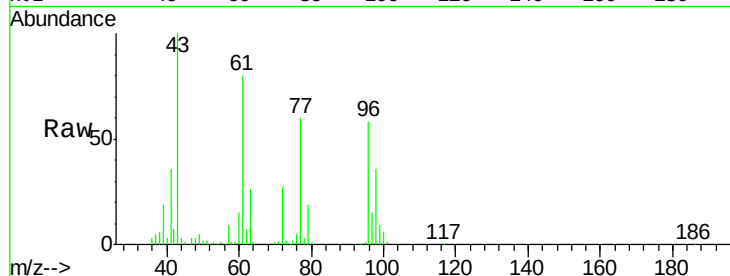
72 26.9 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.980 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053383.D

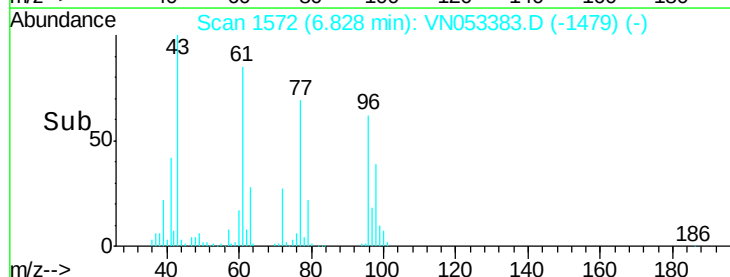
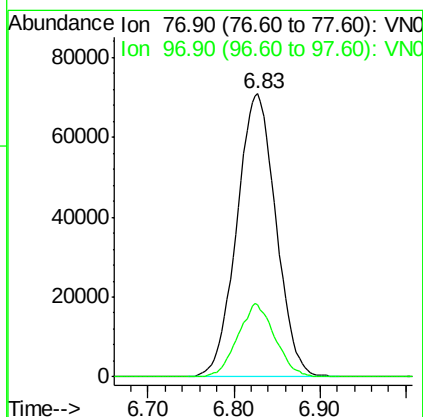
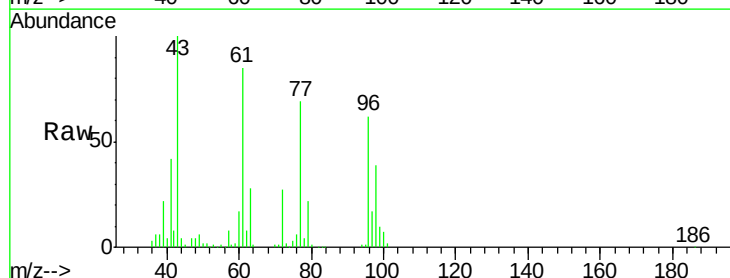
Acq: 14 Jan 2019 11:30

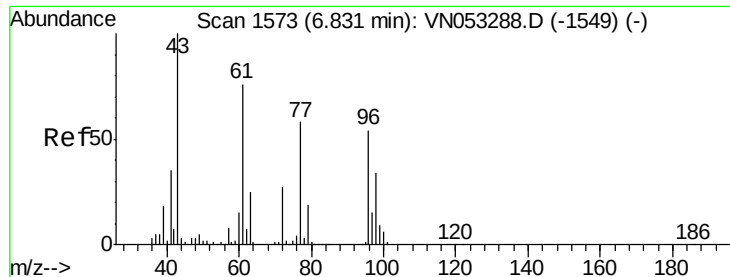
Tgt Ion: 77 Resp: 223939

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 19.981 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

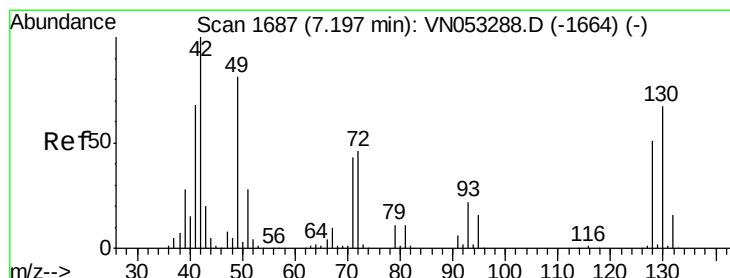
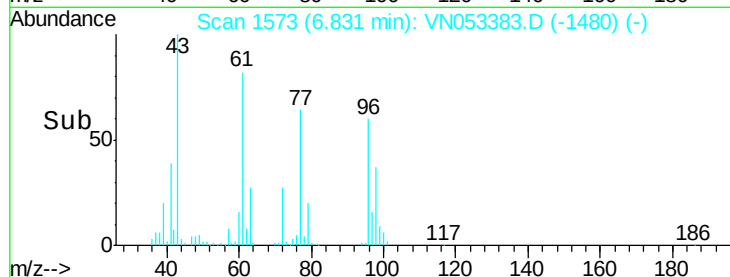
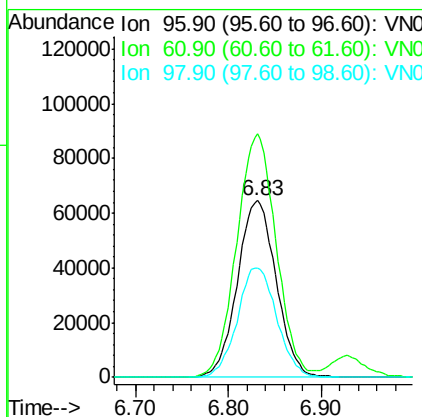
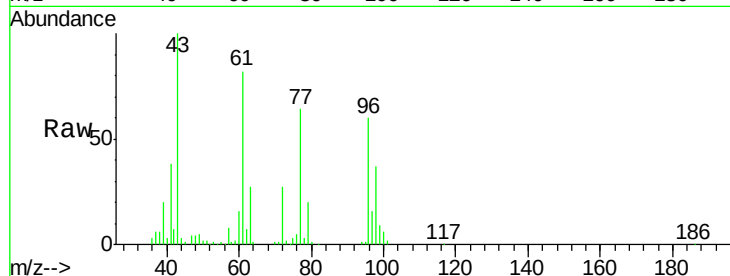
ClientSampleId :

VN0114MBS01

Tot Ion:	96	Resp:	187581
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	280.6
98	63.0	0.0	127.6

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#28

Bromochloromethane

Concen: 21.478 ug/l

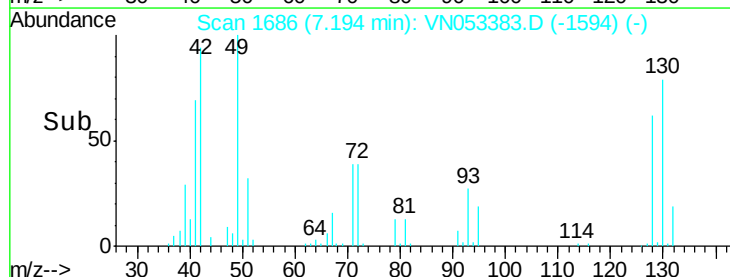
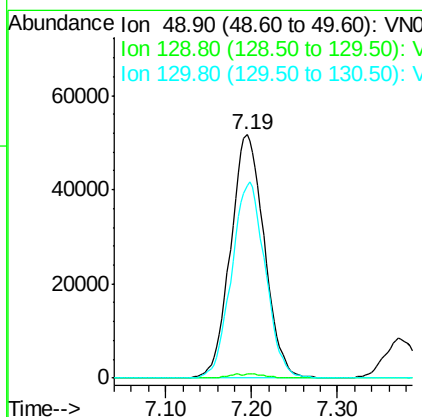
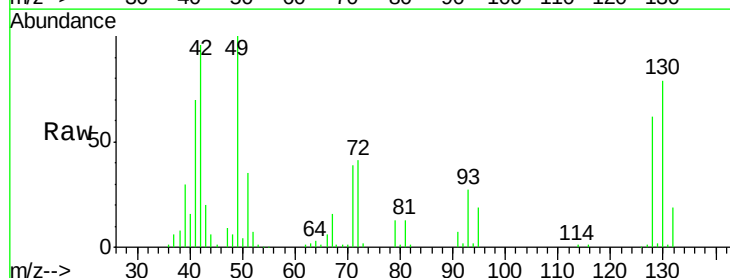
RT: 7.19 min Scan# 1686

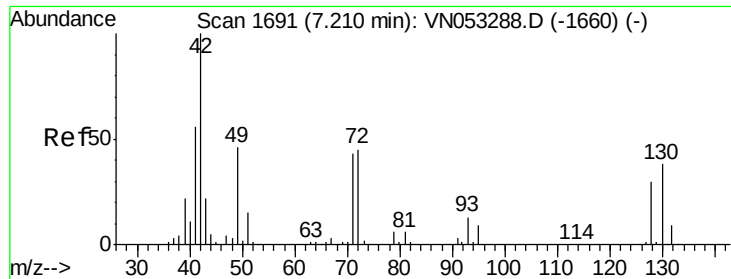
Delta R.T. -0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion:	49	Resp:	140333
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	80.6	65.4	98.0





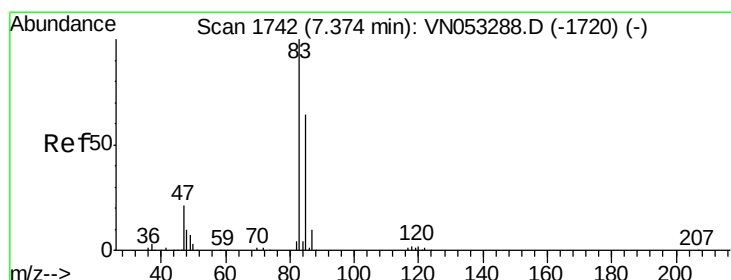
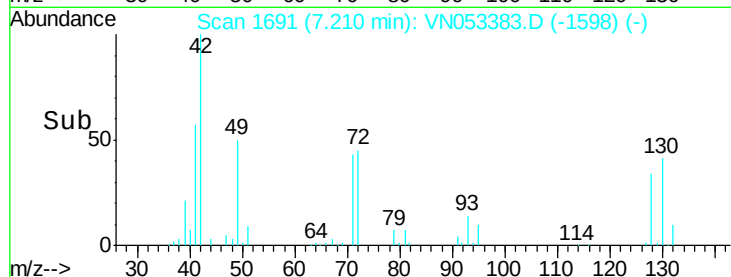
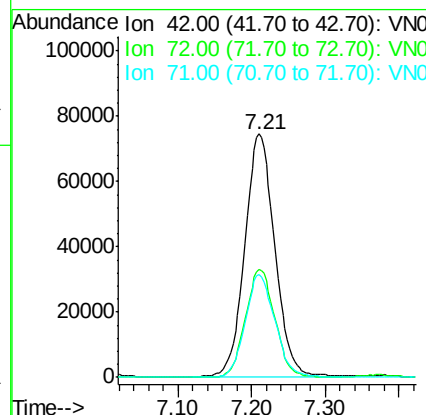
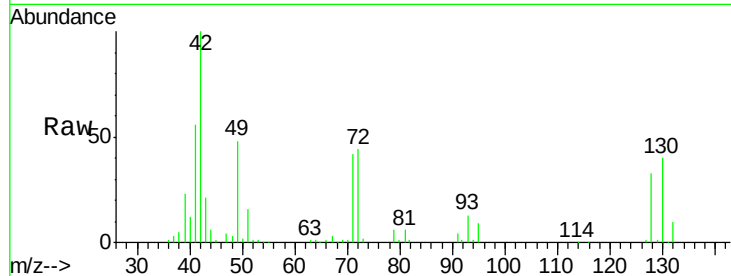
#29
Tetrahydrofuran
Concen: 92.096 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.6	53.4
71	41.5	33.8	50.8

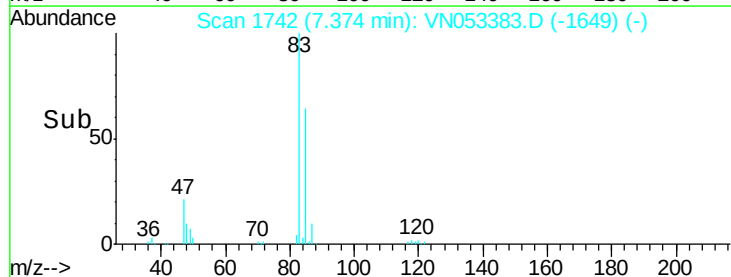
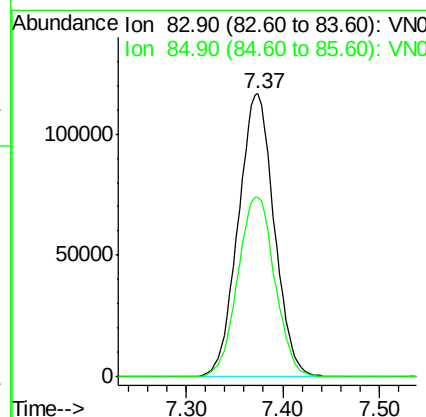
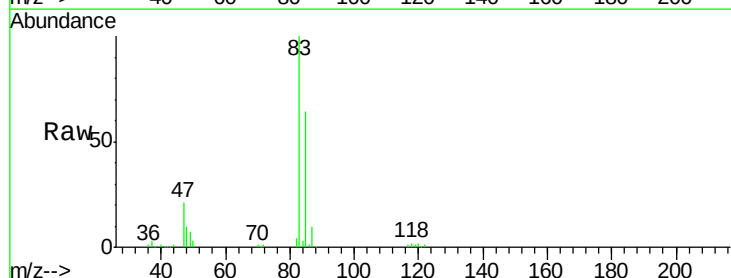
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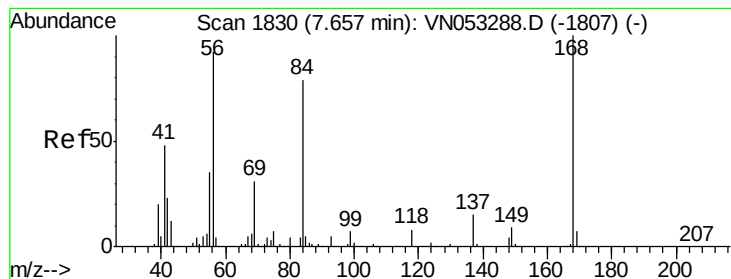
MMDadoda
1/15/2019 11:14:09 AM



#30
Chloroform
Concen: 19.952 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.3	76.9





#31

Cyclohexane

Concen: 18.980 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion: 56 Resp: 278310

Ion Ratio Lower Upper

56 100

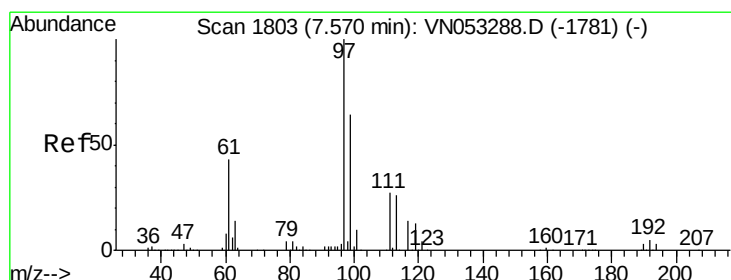
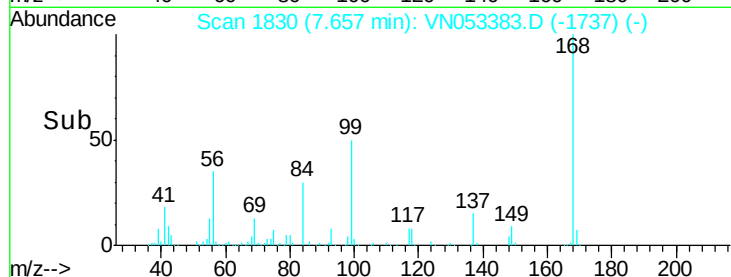
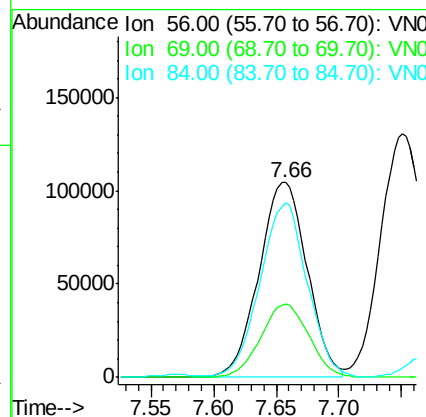
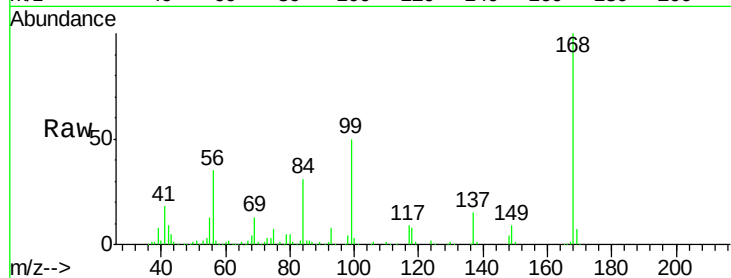
69 37.9 26.7 40.1

84 88.7 68.2 102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.898 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

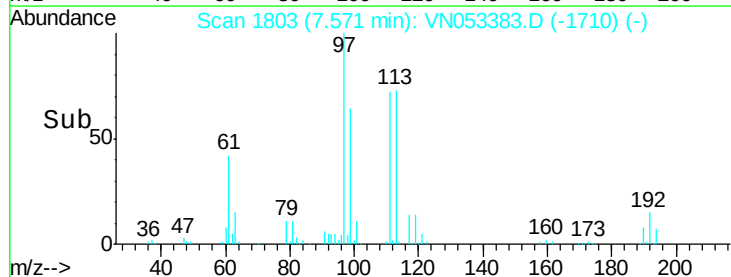
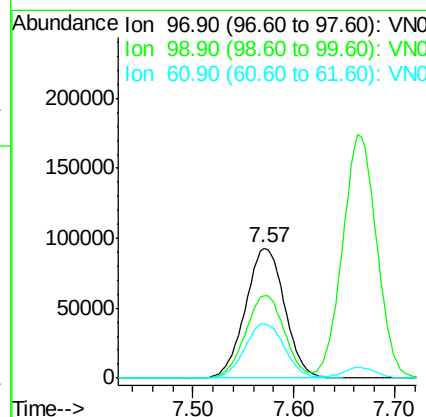
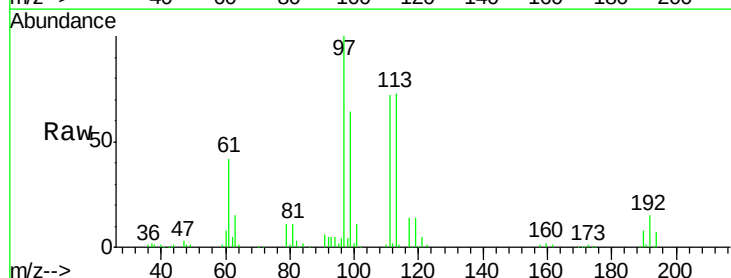
Tgt Ion: 97 Resp: 250234

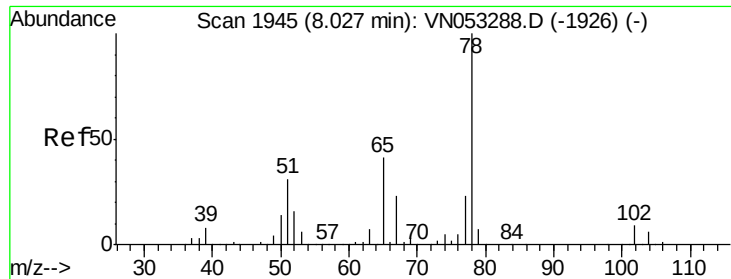
Ion Ratio Lower Upper

97 100

99 63.3 51.6 77.4

61 42.6 34.6 52.0





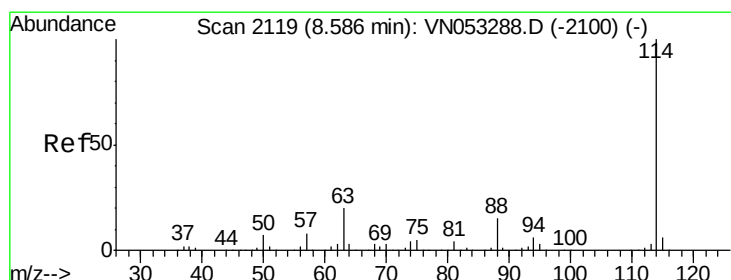
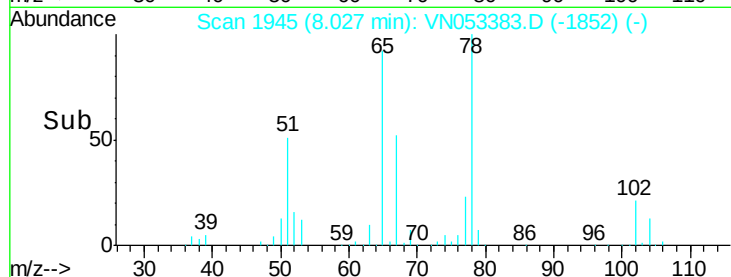
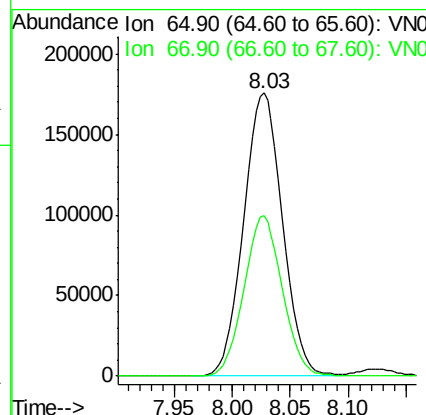
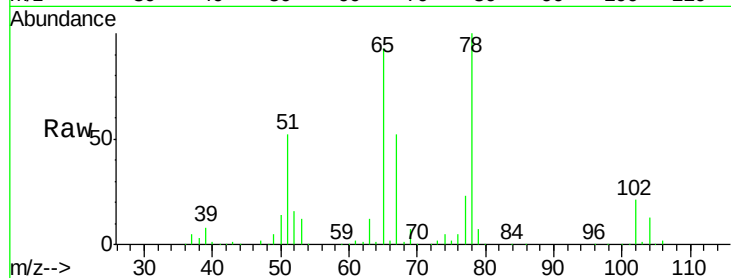
#33
 1,2-Dichloroethane-d4
 Concen: 19.898 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Tot Ion: 65 Resp: 409723
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 111.0

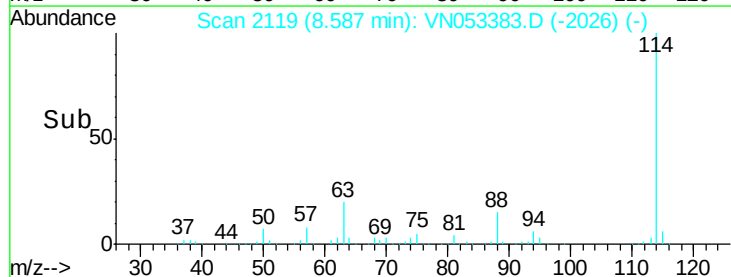
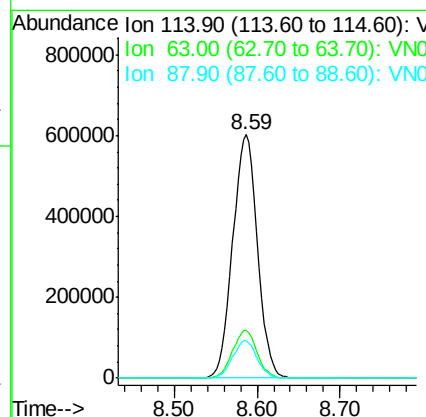
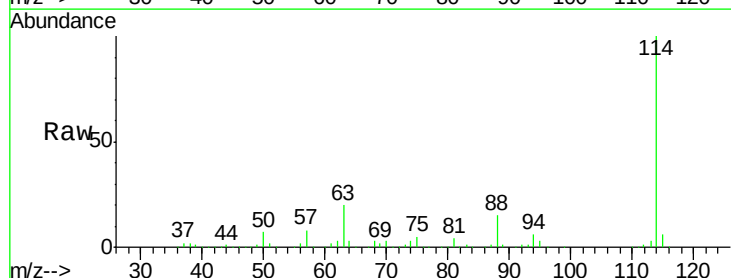
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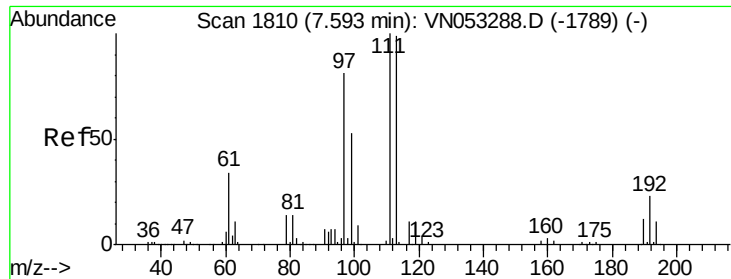
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion: 114 Resp: 1250956
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.2 0.0 30.8





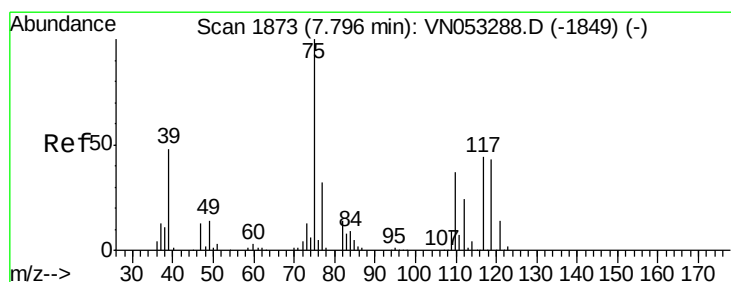
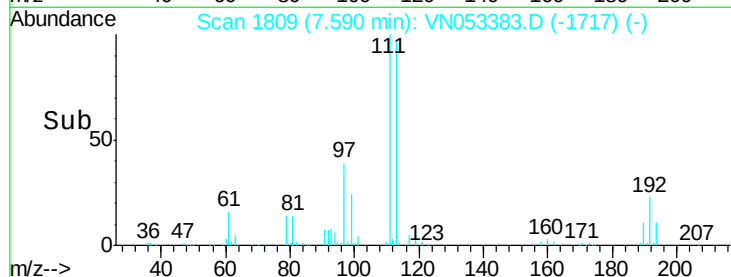
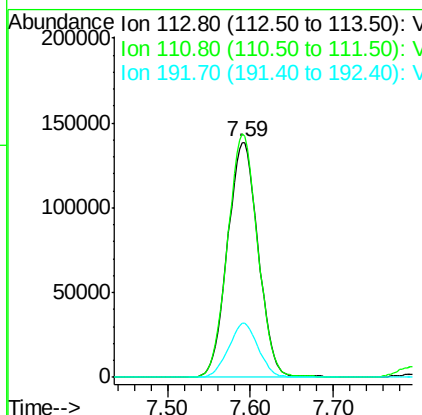
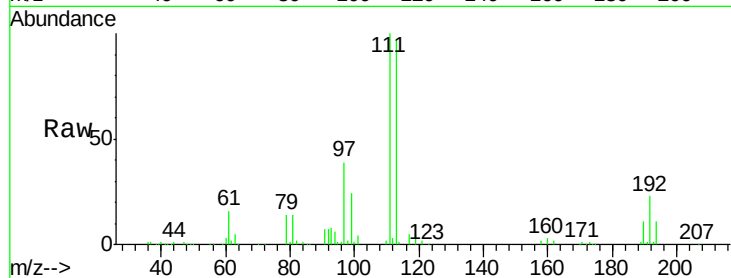
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	357240		
111	101.2	81.4	122.2	
192	22.2	17.9	26.9	

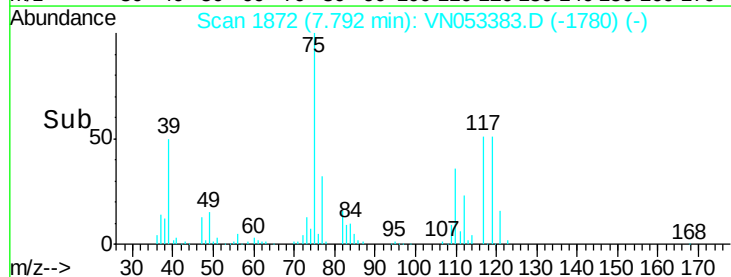
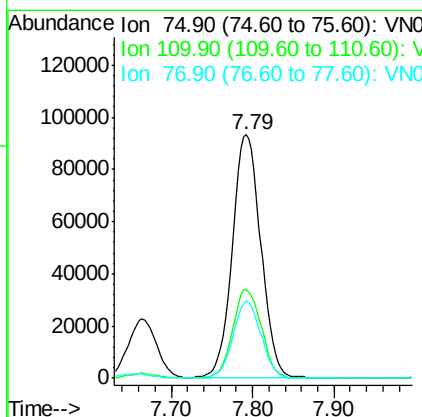
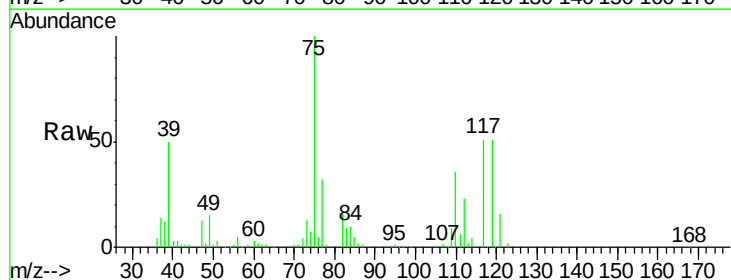
Manual Integrations
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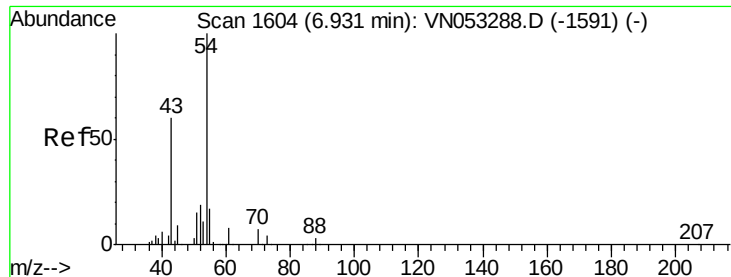
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#36
 1,1-Dichloropropene
 Concen: 19.509 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	227840		
110	36.3	18.4	55.0	
77	31.1	25.3	37.9	





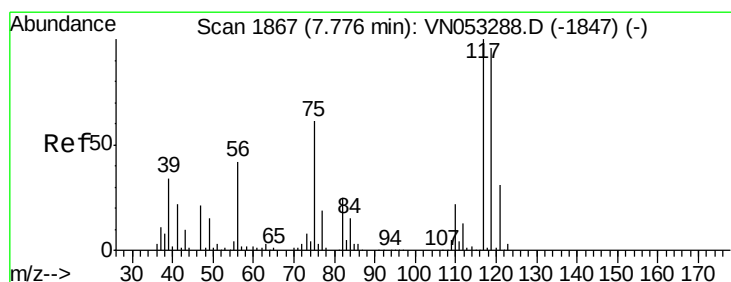
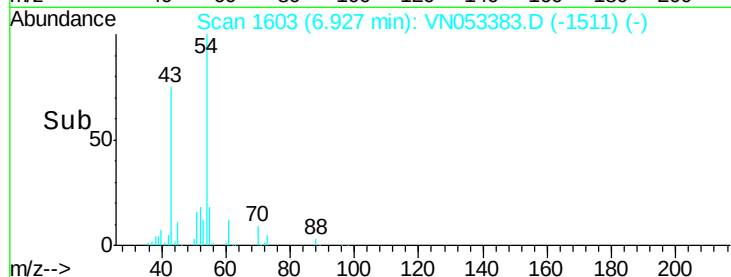
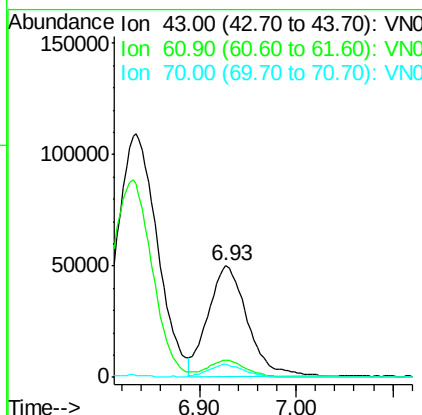
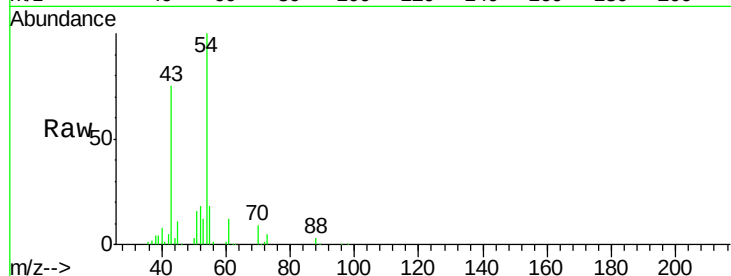
#37
Ethyl Acetate
Concen: 18.567 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	10.9	8.6	13.0

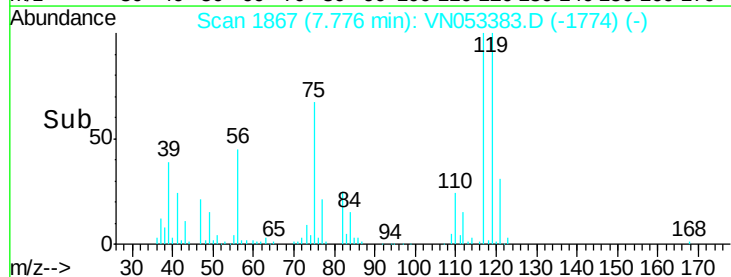
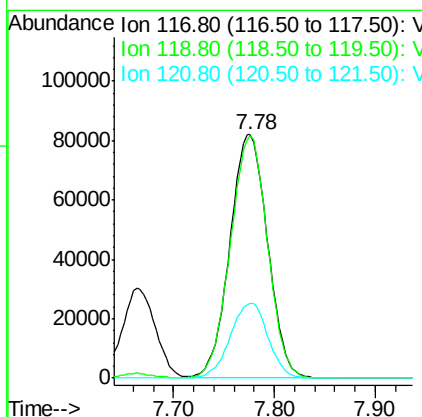
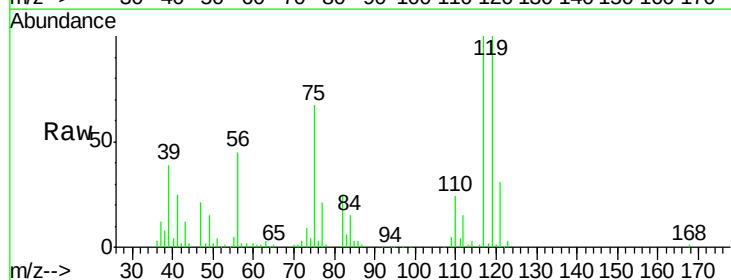
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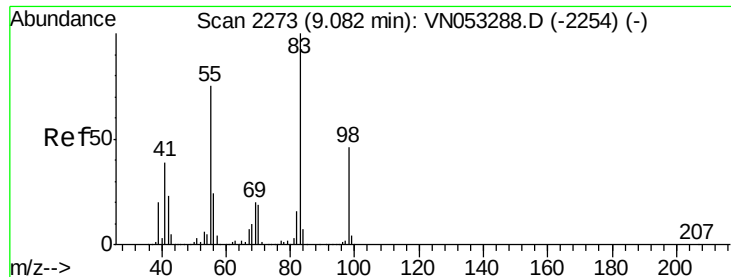
MMDadoda
1/15/2019 11:14:09 AM



#38
Carbon Tetrachloride
Concen: 19.757 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.6	115.0
121	30.7	25.0	37.4





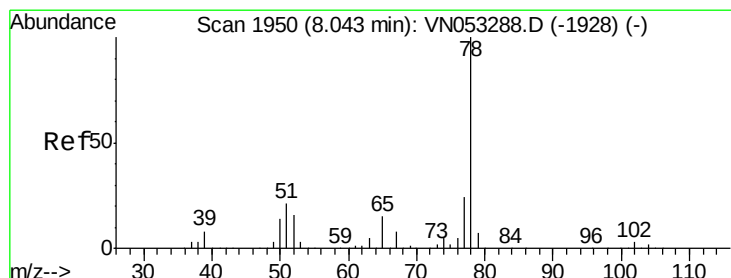
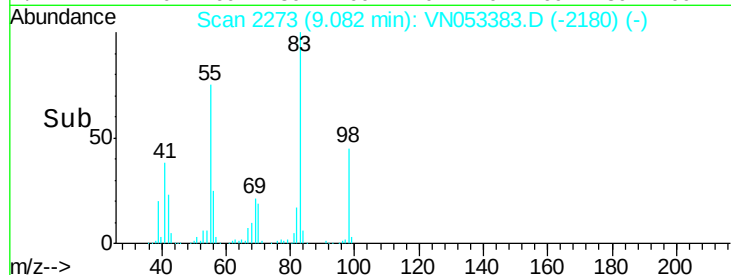
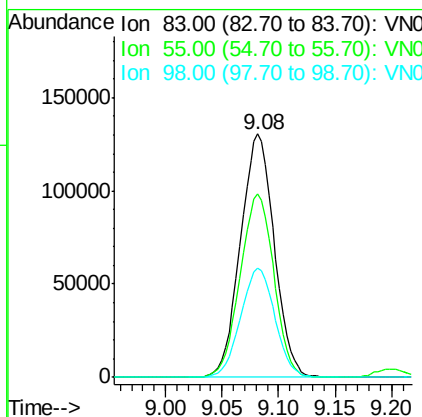
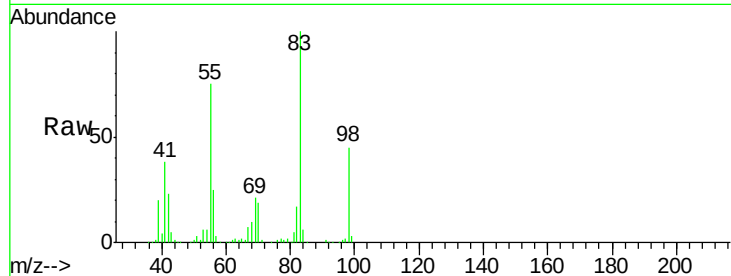
#39
Methylvlcyclohexane
Concen: 20.095 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	271882		
55	75.2		60.1	90.1
98	44.8		36.7	55.1

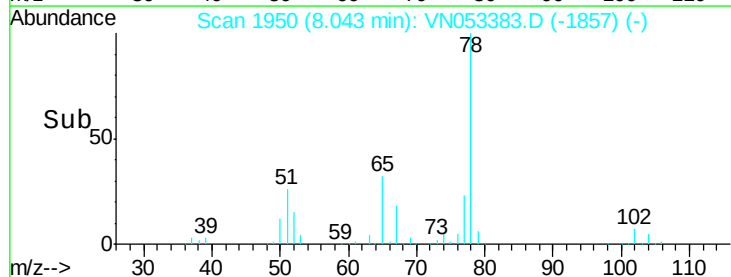
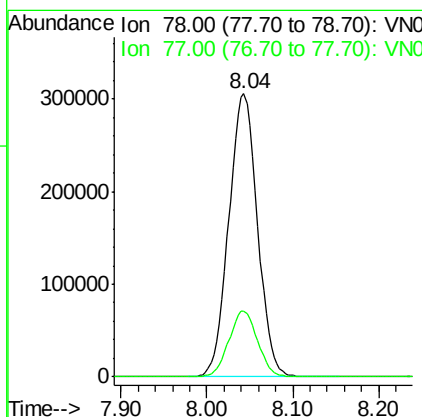
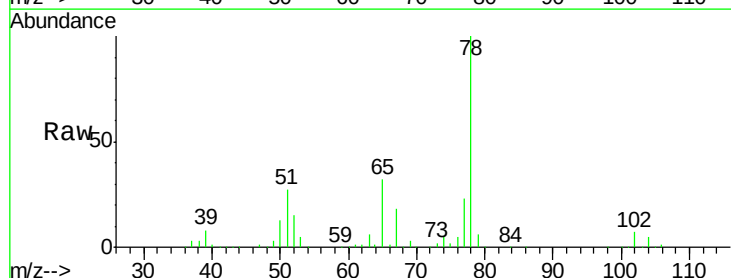
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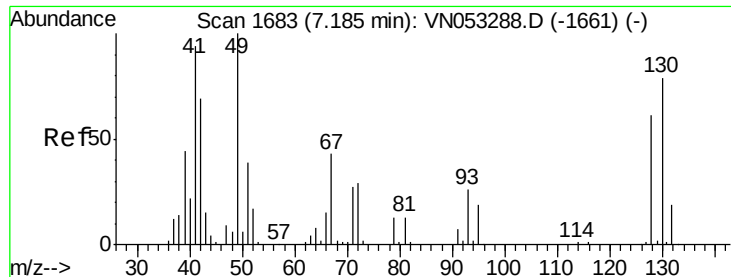
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#40
Benzene
Concen: 19.838 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	707698		
77	23.4		19.0	28.4





#41

Methacrylonitrile

Concen: 16.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion: 41 Resp: 75563

Ion Ratio Lower Upper

41 100

39 60.8 0.0 0.0#

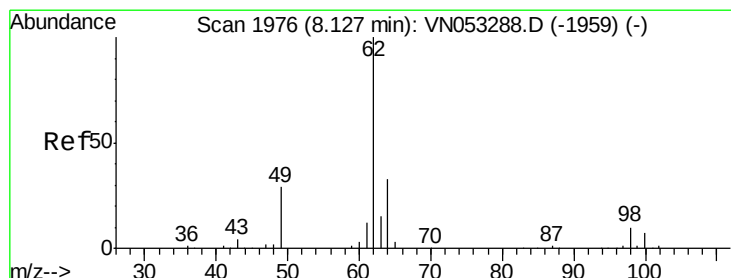
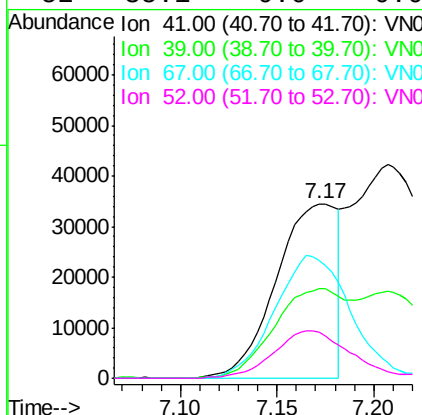
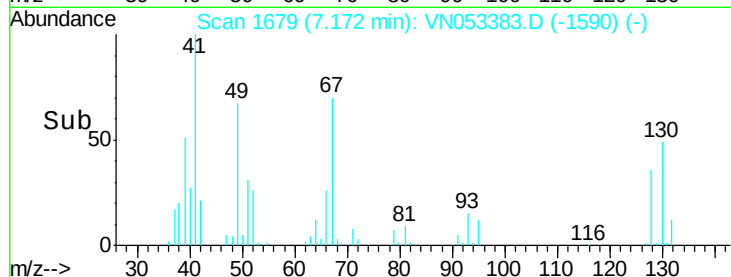
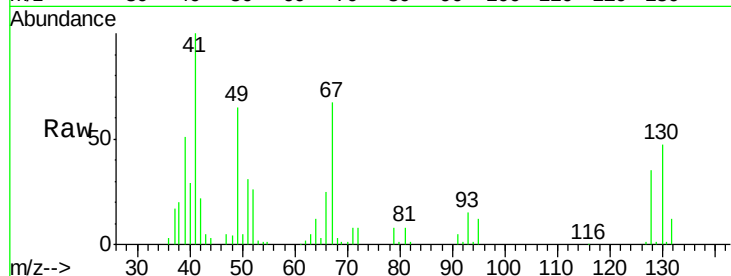
67 88.4 0.0 0.0#

52 35.1 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.082 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN053383.D

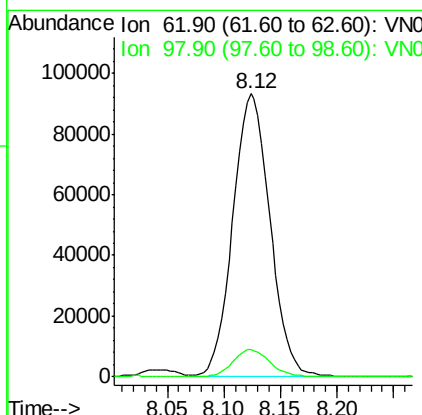
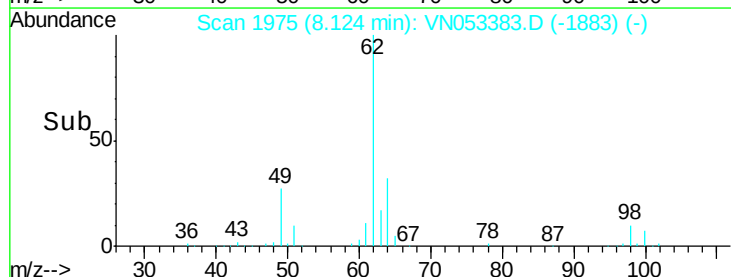
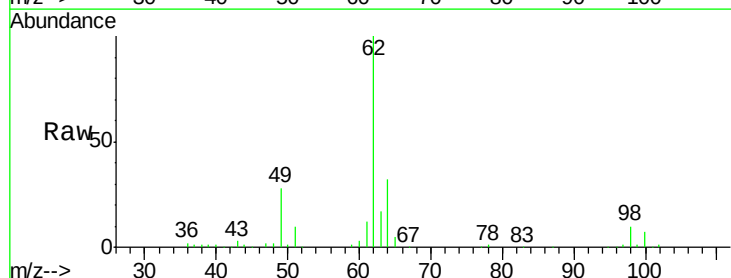
Acq: 14 Jan 2019 11:30

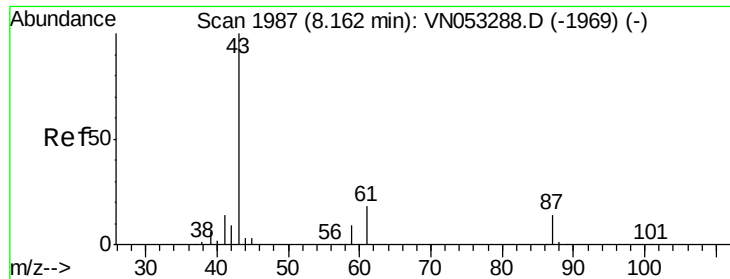
Tgt Ion: 62 Resp: 212497

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.2





#43

Isopropyl Acetate

Concen: 17.281 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

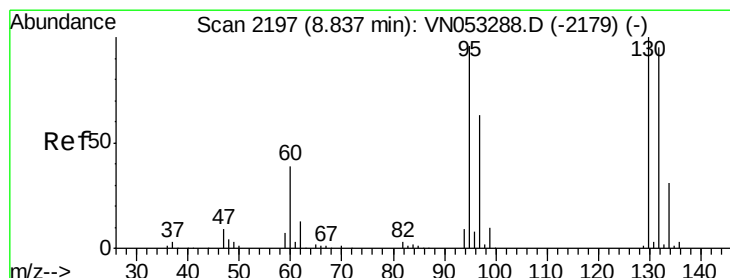
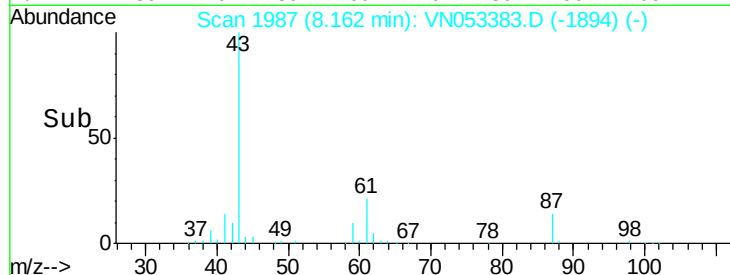
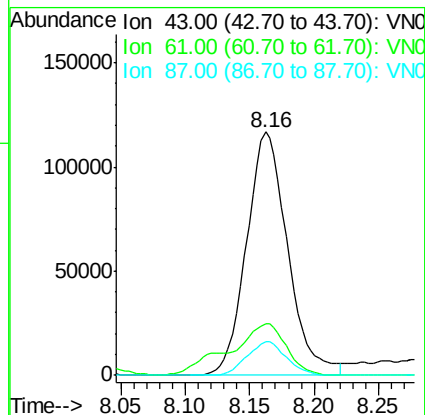
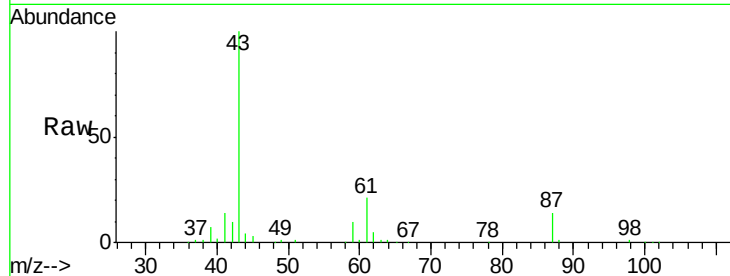
ClientSampleId :

VN0114MBS01

Tot Ion:	43	Resp:	258608
Ion Ratio	Lower	Upper	
43	100		
61	21.2	23.3	34.9#
87	13.5	10.8	16.2

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#44

Trichloroethene

Concen: 19.675 ug/l

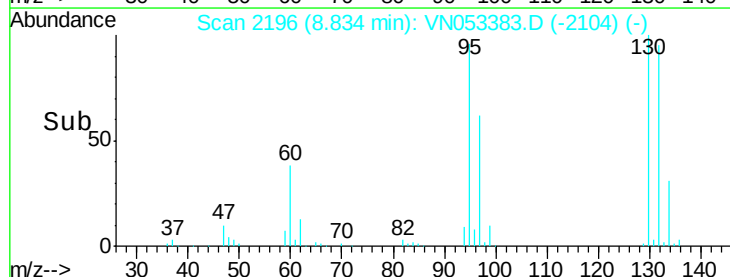
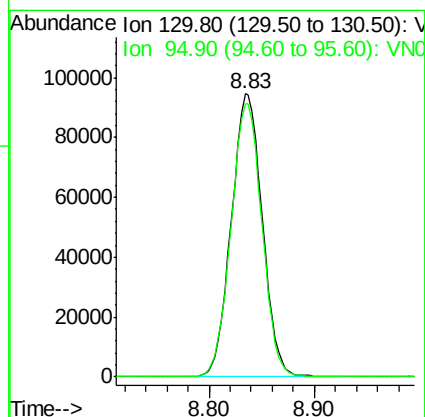
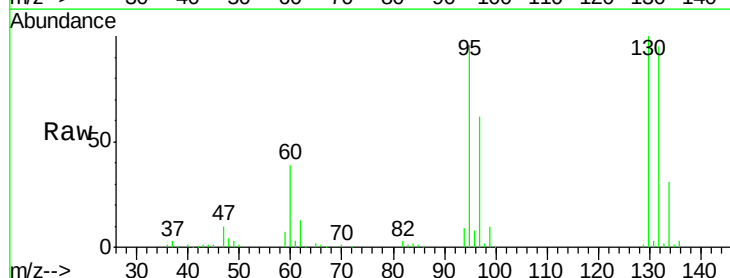
RT: 8.83 min Scan# 2196

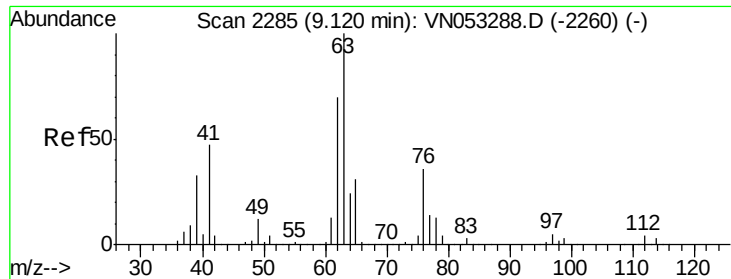
Delta R.T. -0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion:	130	Resp:	192728
Ion Ratio	Lower	Upper	
130	100		
95	96.4	0.0	191.8





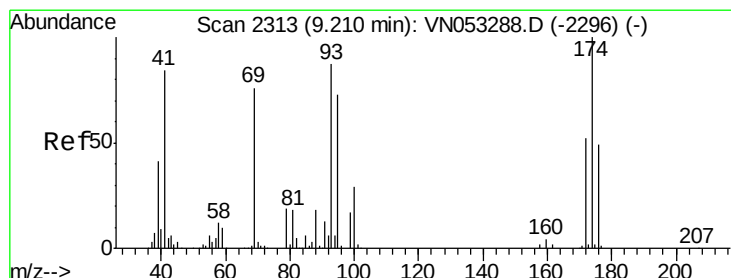
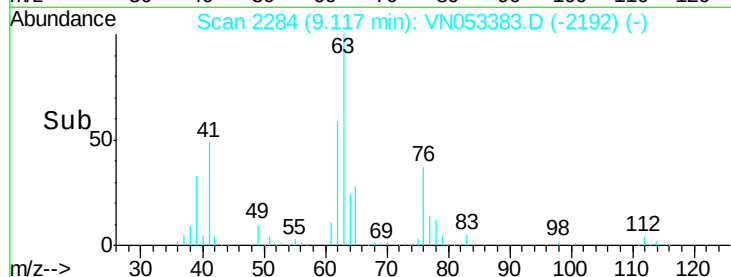
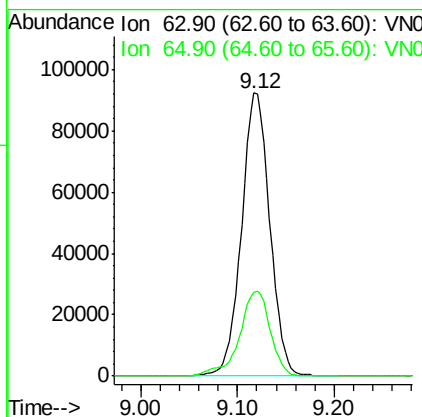
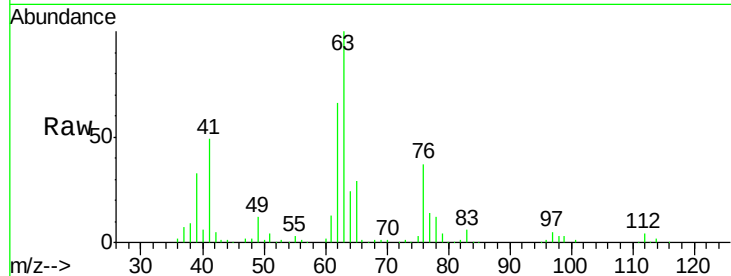
#45
 1,2-Dichloropropane
 Concen: 20.090 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0114MBS01

Tot Ion: 63 Resp: 187964
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.0 37.6

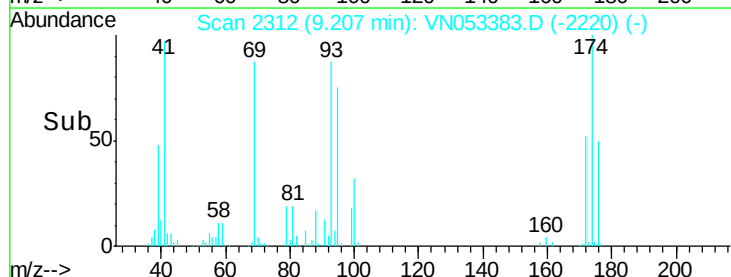
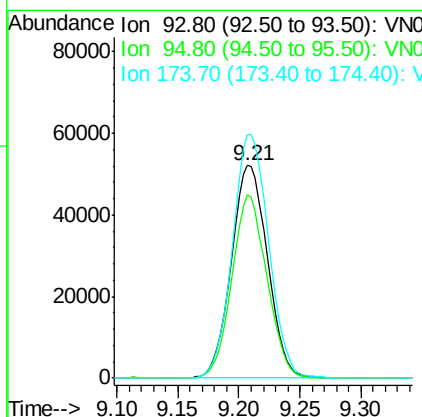
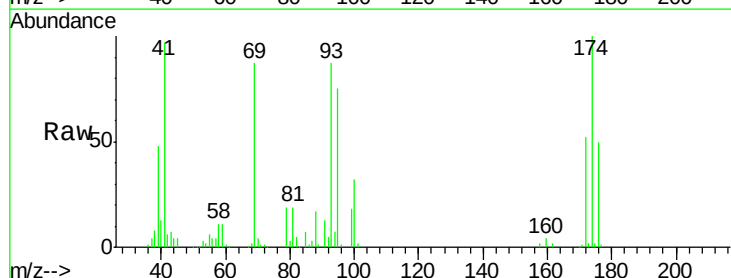
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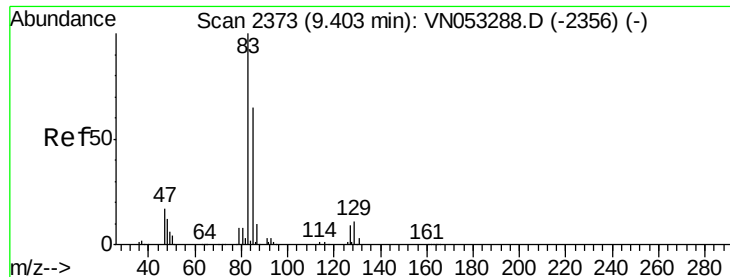
MMDadoda
 1/15/2019 11:14:09 AM



#46
 Dibromomethane
 Concen: 19.657 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion: 93 Resp: 107234
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 114.7 91.4 137.0





#47

Bromodichloromethane

Concen: 19.666 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

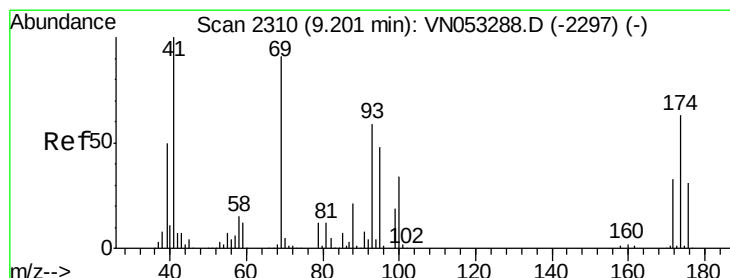
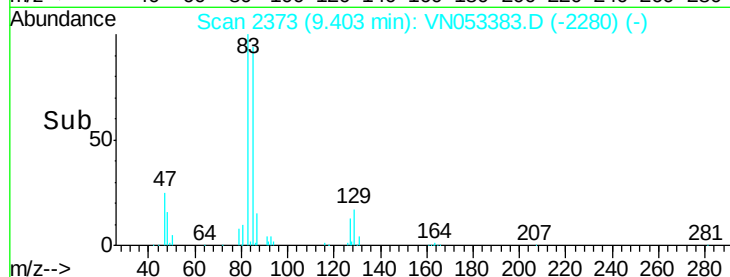
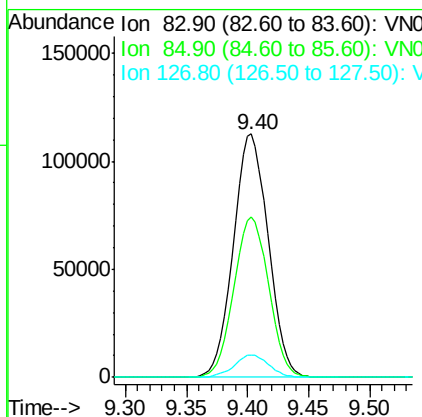
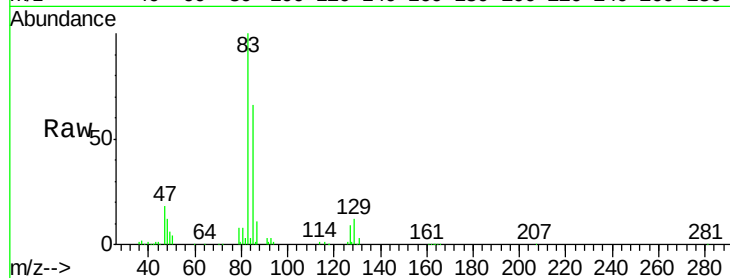
ClientSampleId :

VN0114MBS01

Tot Ion:	83	Resp:	223577
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.7	77.5
127	9.3	7.0	10.6

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 18.963 ug/l

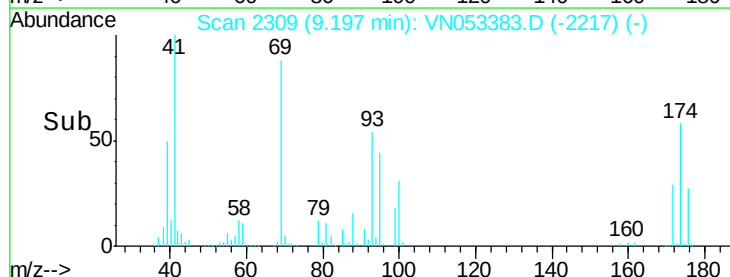
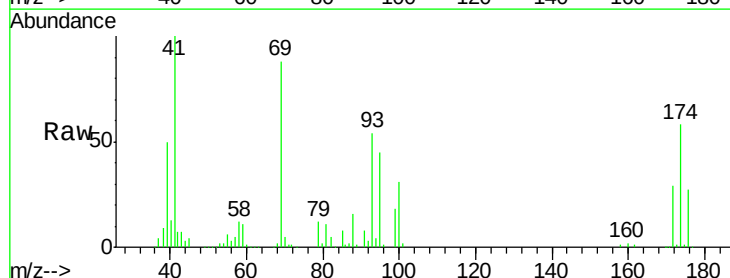
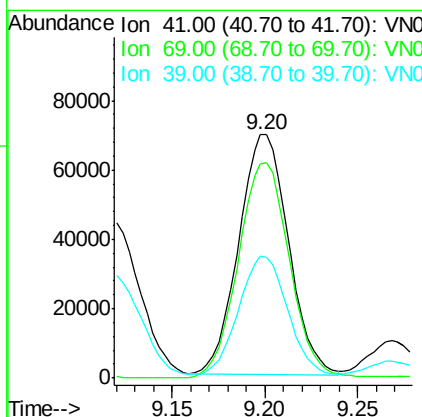
RT: 9.20 min Scan# 2309

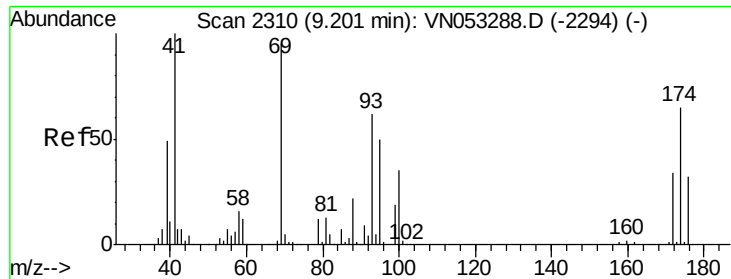
Delta R.T. -0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion:	41	Resp:	128926
Ion	Ratio	Lower	Upper
41	100		
69	92.7	73.5	110.3
39	50.9	41.6	62.4





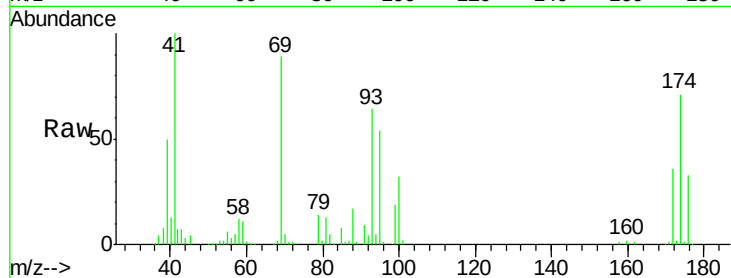
#49
1,4-Dioxane
Concen: 329.953 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion	88	Resp	23900
Ion	Ratio	Lower	Upper
88	100		
43	36.3	26.2	39.4
58	72.3	55.5	83.3

Manual Integrations
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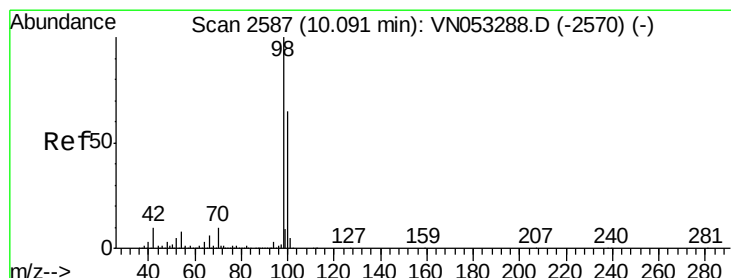
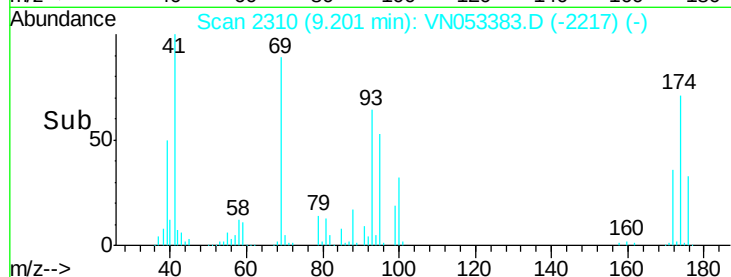
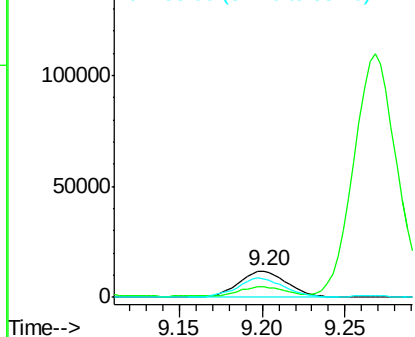


Abundance

Ion 88.00 (87.70 to 88.70): VN0

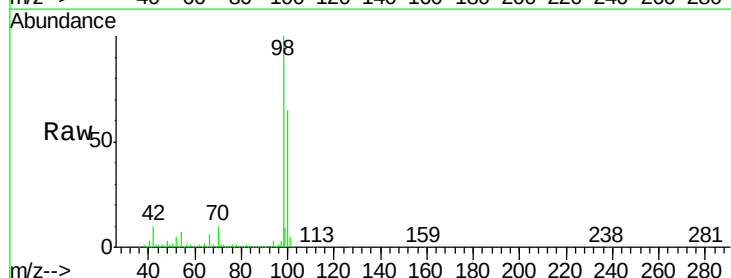
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 329.953 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

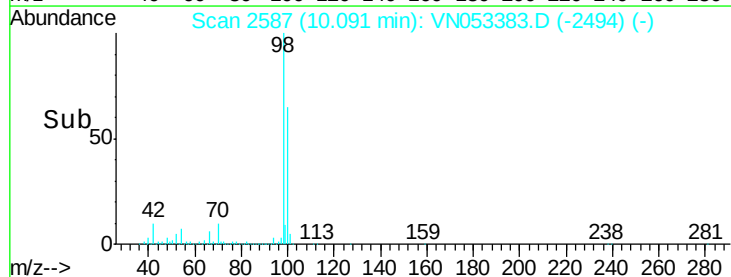
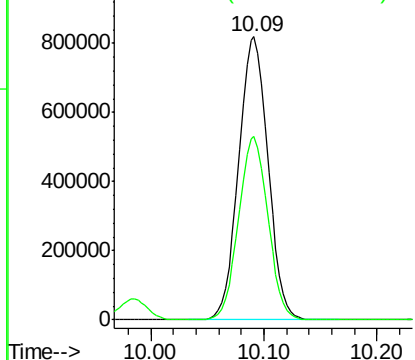
Tgt Ion	98	Resp	1484832
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3

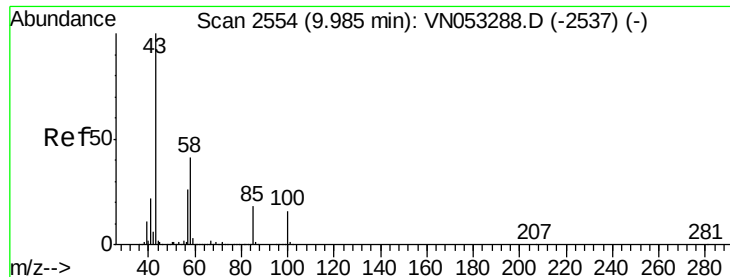


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 95.522 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion: 43 Resp: 718847

Ion Ratio Lower Upper

43 100

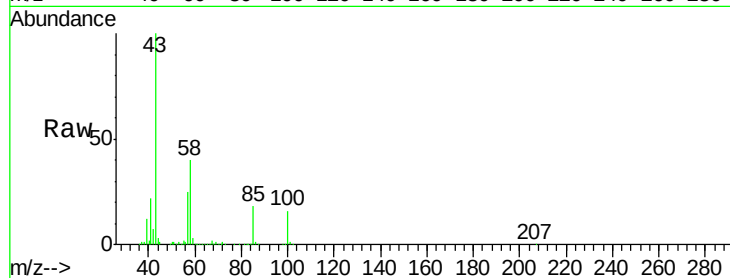
58 40.6 32.7 49.1

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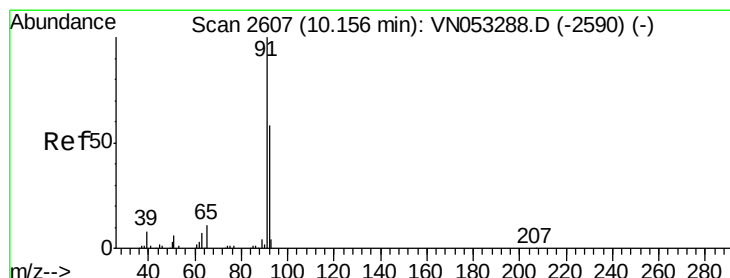
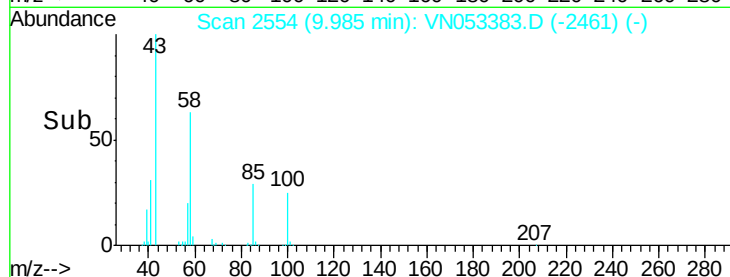
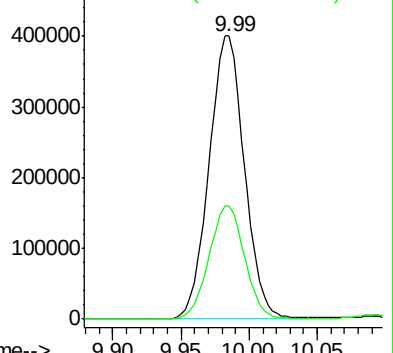
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.103 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053383.D

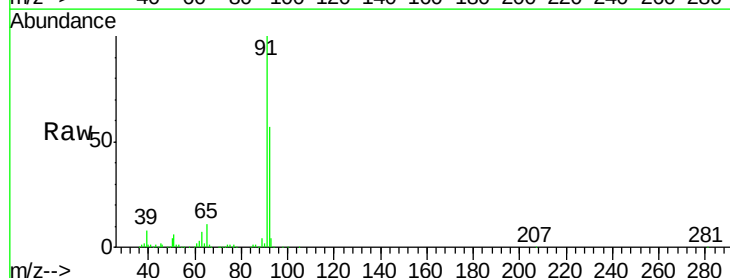
Acq: 14 Jan 2019 11:30

Tgt Ion: 92 Resp: 439965

Ion Ratio Lower Upper

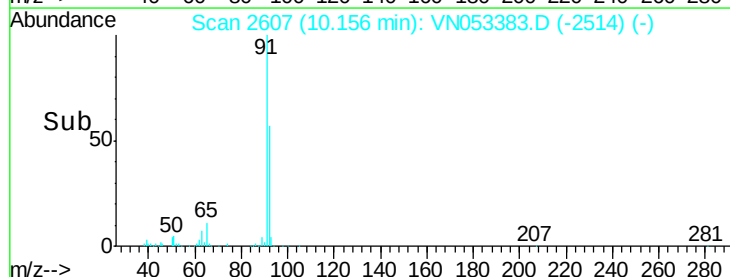
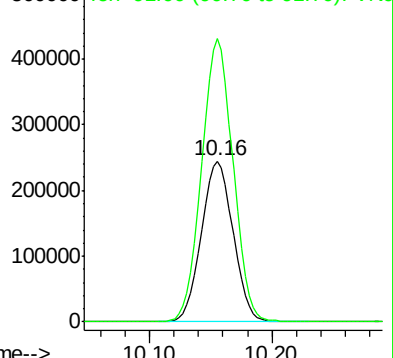
92 100

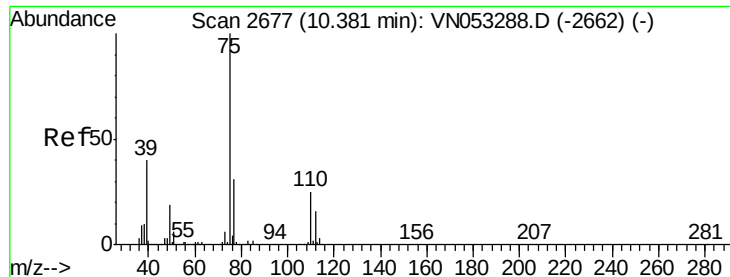
91 175.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





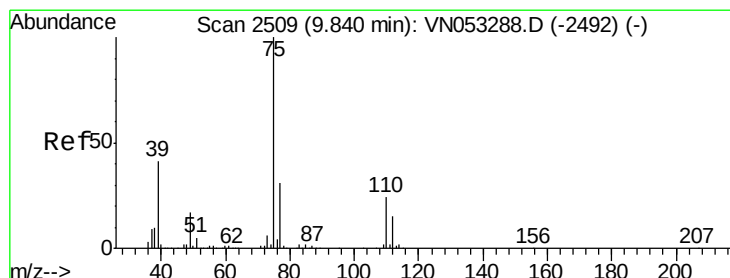
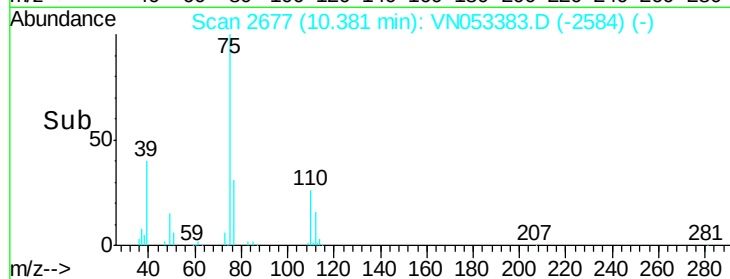
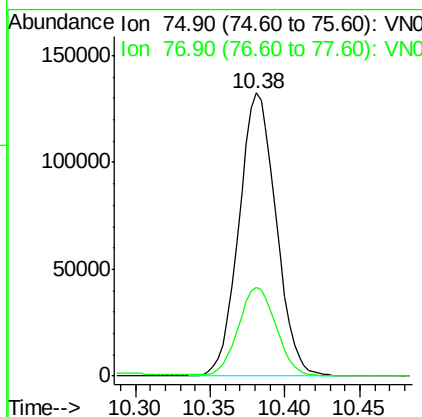
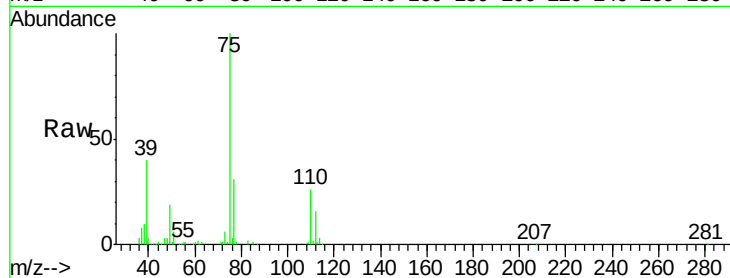
#53
t-1,3-Dichloropropene
Concen: 19.715 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0114MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4

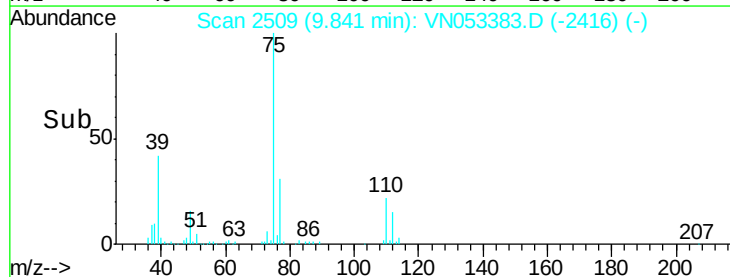
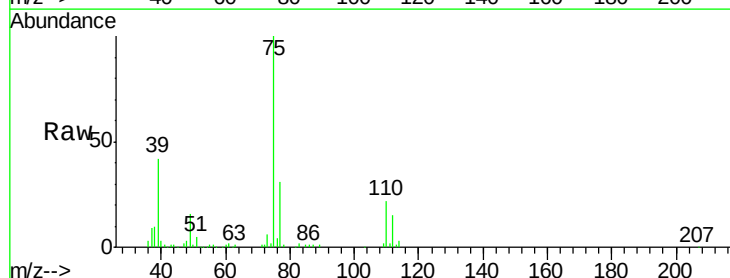
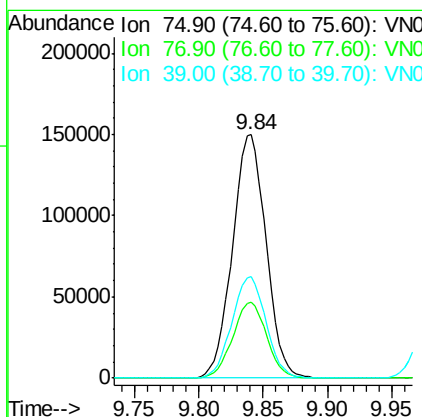
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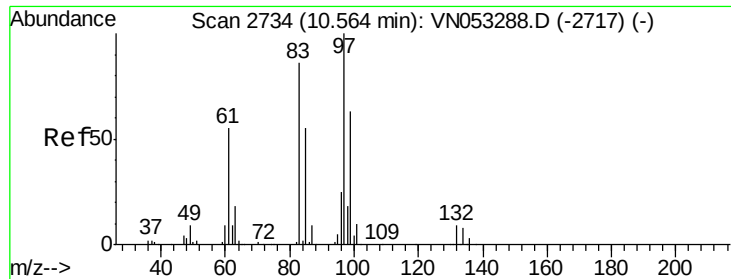
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#54
cis-1,3-Dichloropropene
Concen: 20.187 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7
39	41.5	33.1	49.7





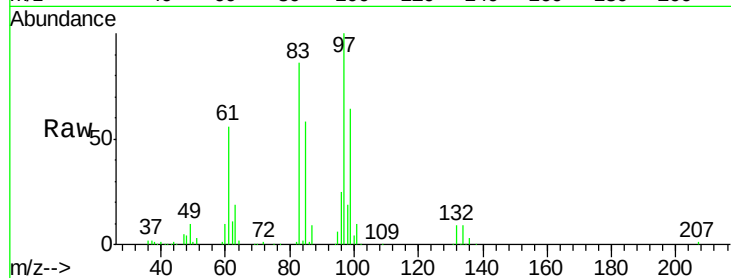
#55
 1,1,2-Trichloroethane
 Concen: 19.733 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0114MBS01

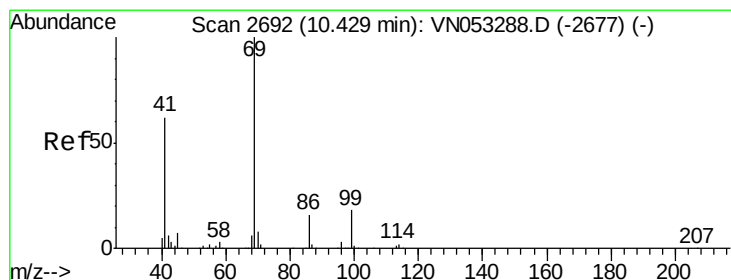
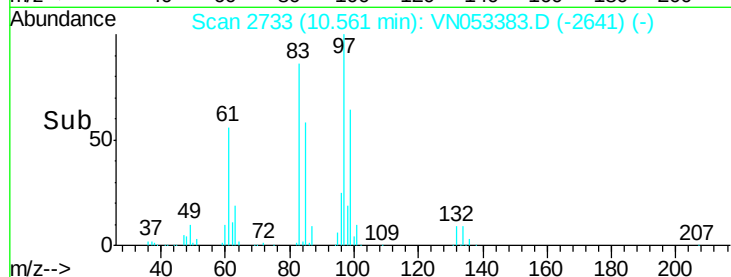
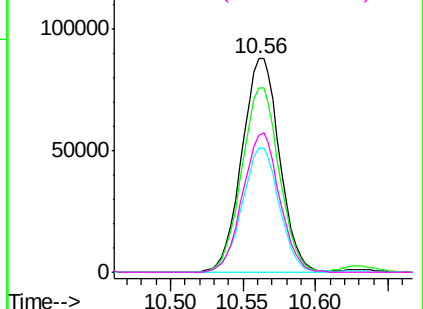
Tot Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.1	103.7
85	58.0	44.2	66.4
99	64.2	50.3	75.5

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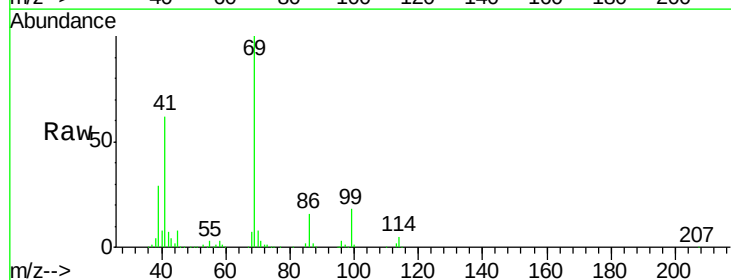


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

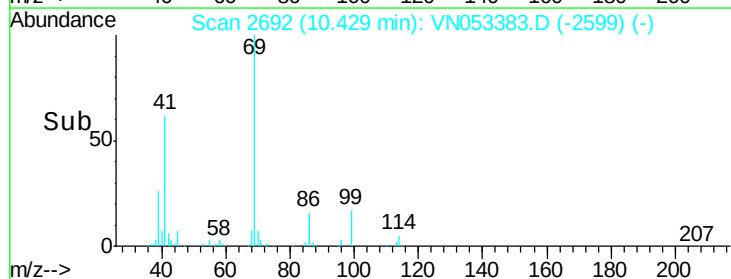
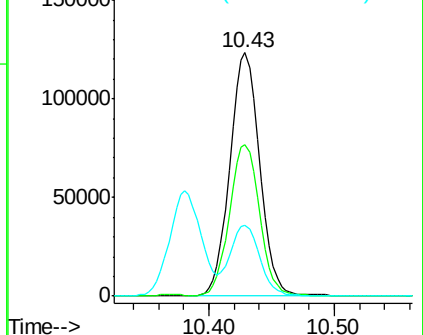


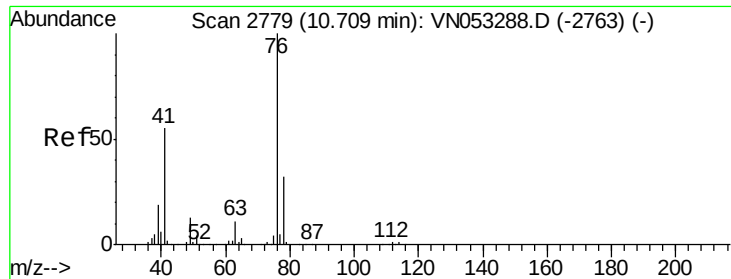
#56
 Ethyl methacrylate
 Concen: 19.539 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.2	73.8
39	29.1	23.4	35.0



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





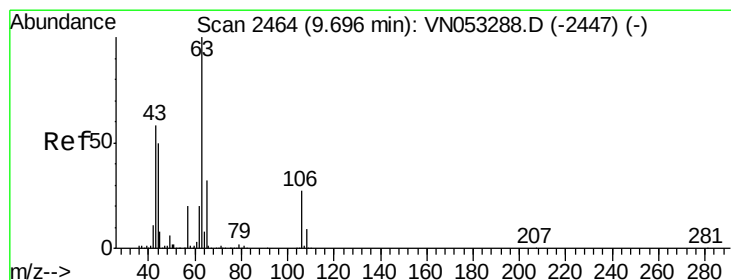
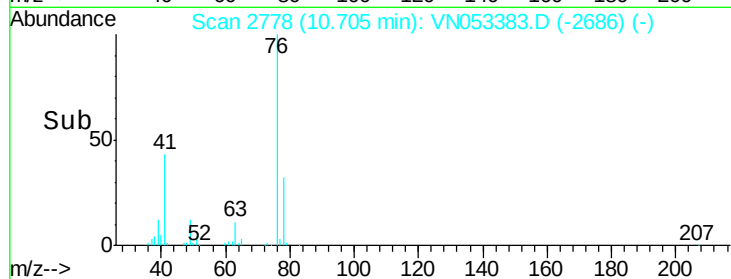
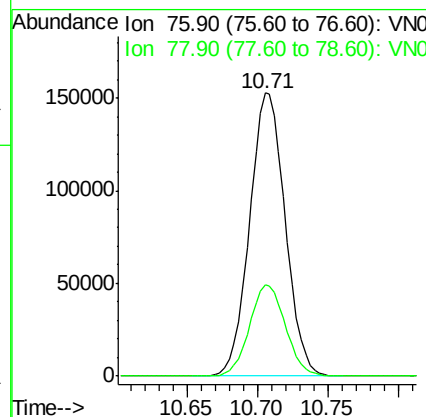
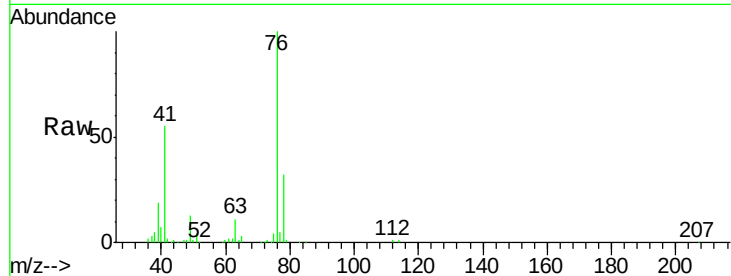
#57
 1,3-Dichloropropane
 Concen: 20.034 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

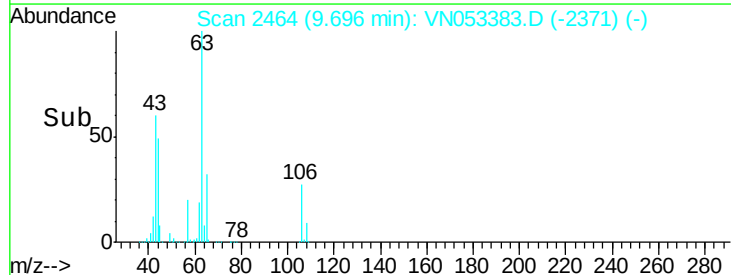
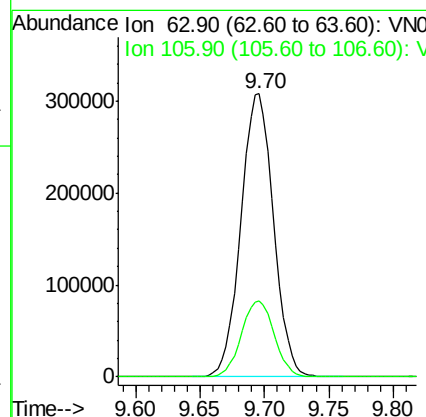
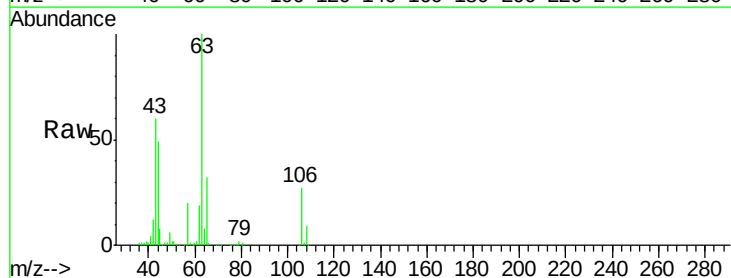
Manual Integrations
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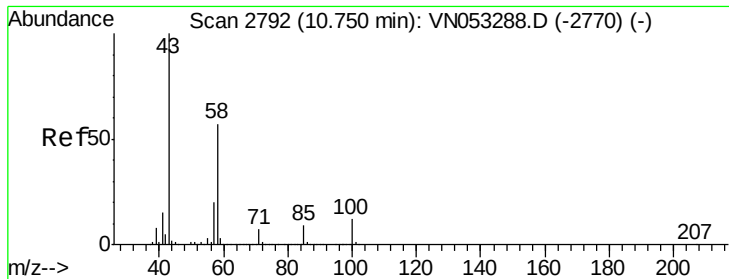
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 1/15/2019 11:14:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.861 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





#59

2-Hexanone

Concen: 96.300 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion: 43 Resp: 496536

Ion Ratio Lower Upper

43 100

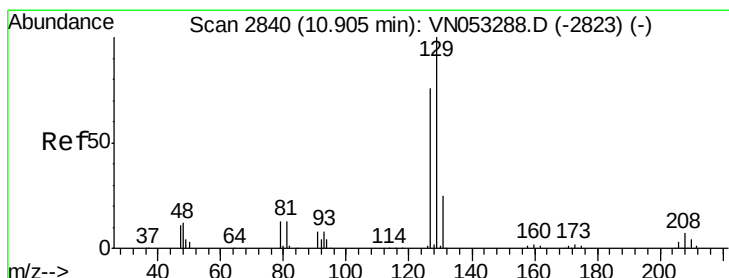
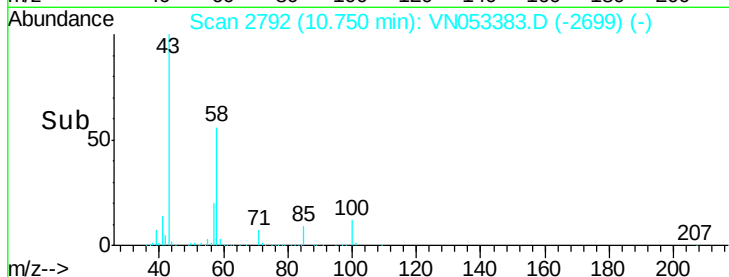
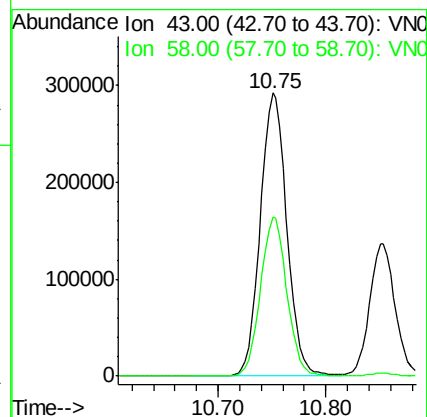
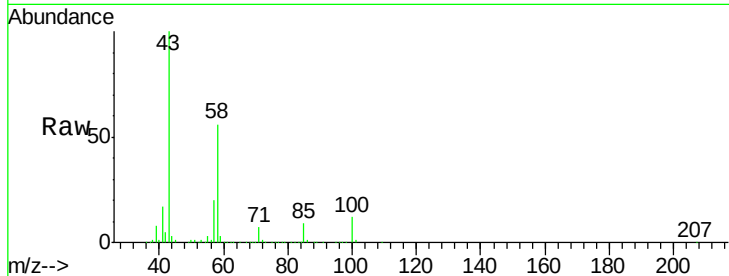
58 55.9 28.3 85.0

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#60

Dibromochloromethane

Concen: 19.776 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053383.D

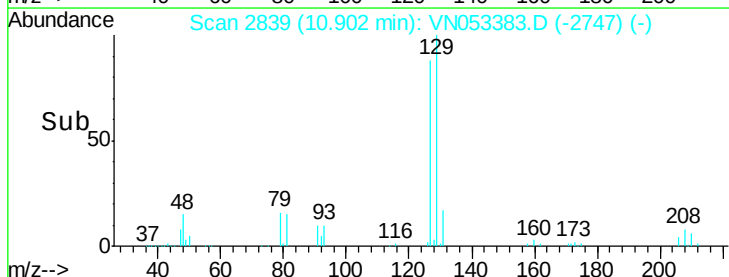
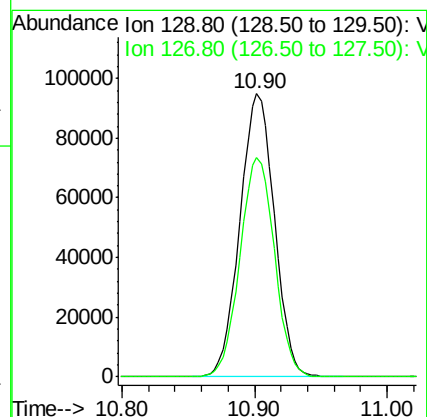
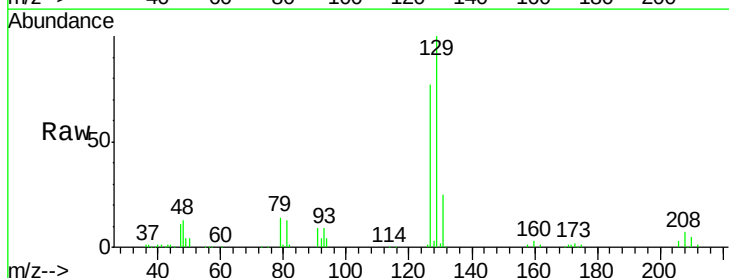
Acq: 14 Jan 2019 11:30

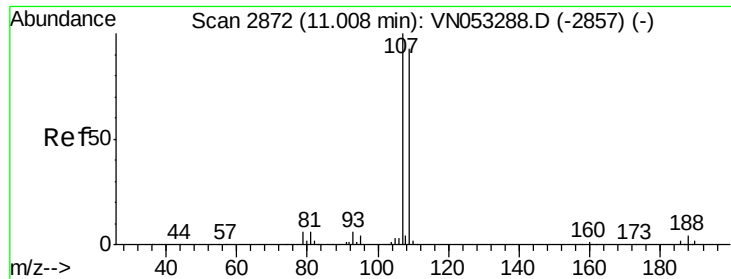
Tgt Ion: 129 Resp: 171648

Ion Ratio Lower Upper

129 100

127 77.4 38.4 115.2





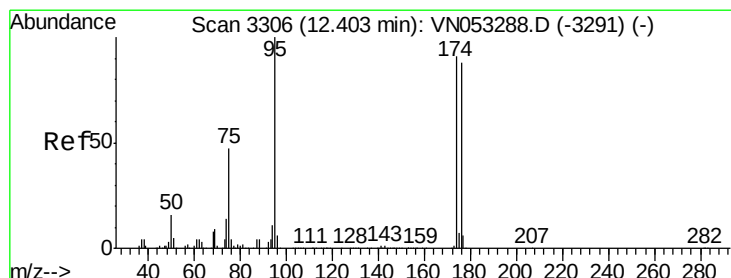
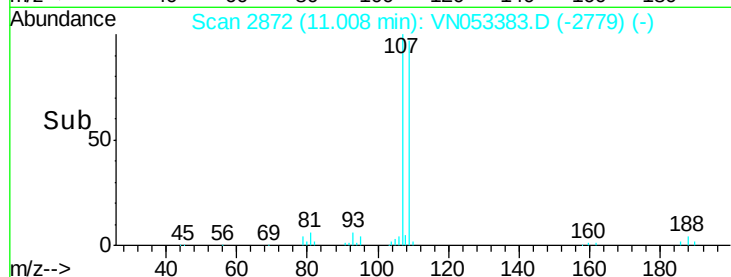
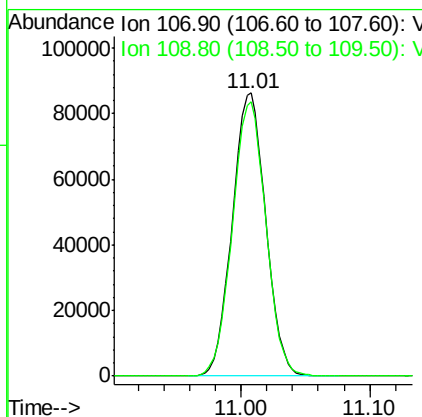
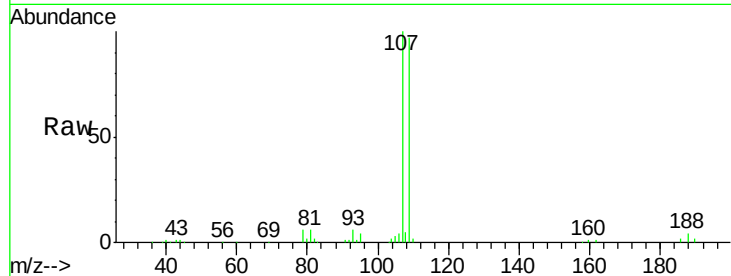
#61
 1,2-Dibromoethane
 Concen: 19.565 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Tot Ion: 107 Resp: 155368
 Ion Ratio Lower Upper
 107 100
 109 97.1 75.0 112.6

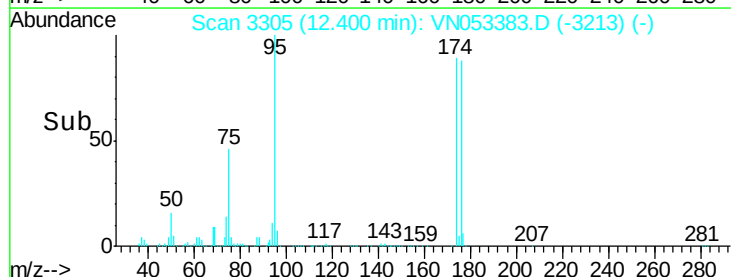
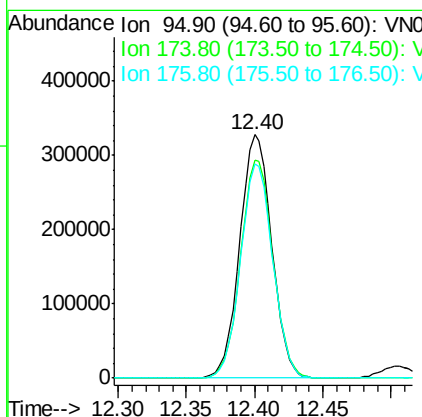
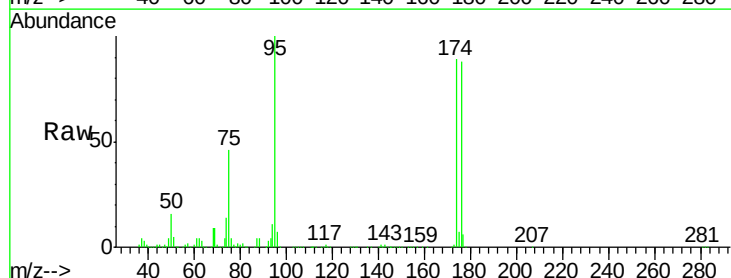
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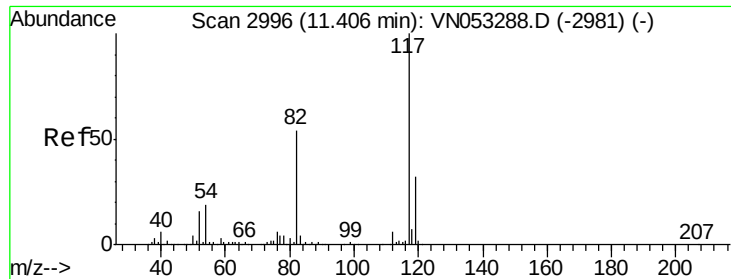
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 19.565 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion: 95 Resp: 534459
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 180.4
 176 88.3 0.0 175.6





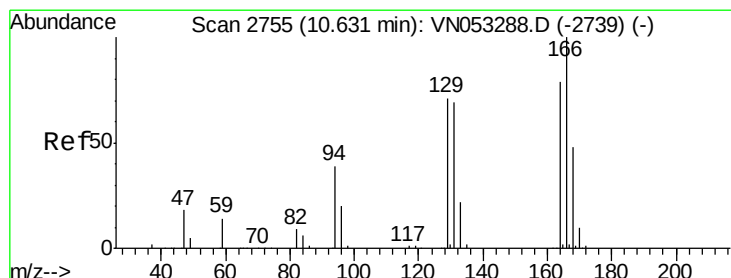
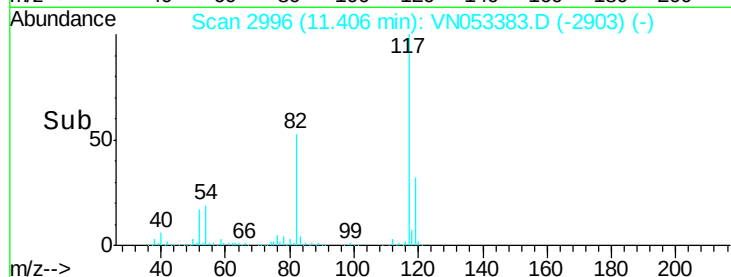
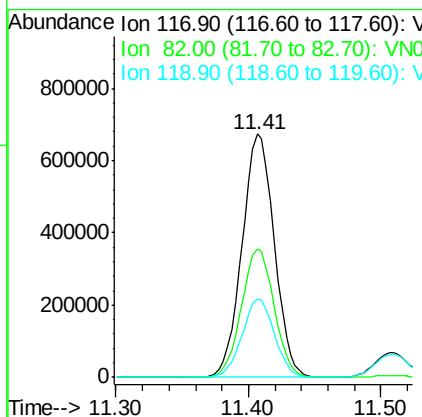
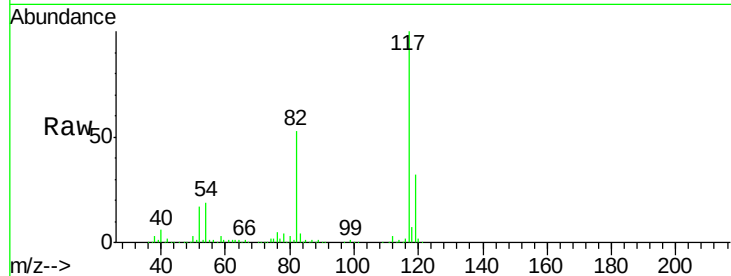
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion:117 Resp: 1139197
Ion Ratio Lower Upper
117 100
82 52.8 42.9 64.3
119 32.1 25.6 38.4

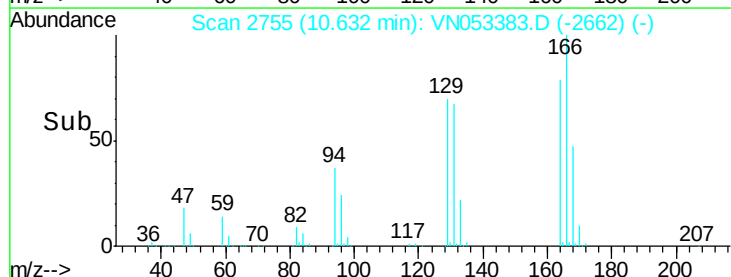
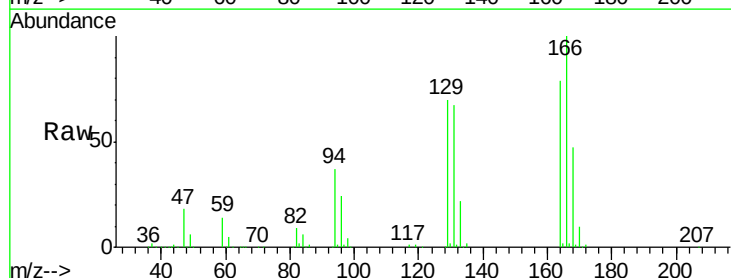
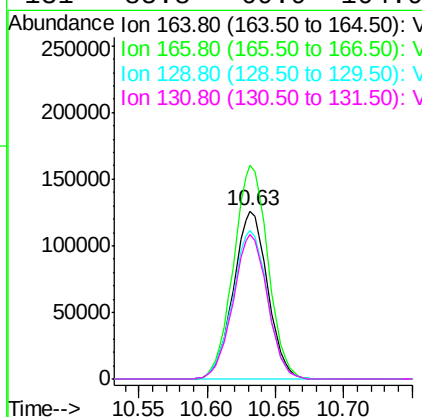
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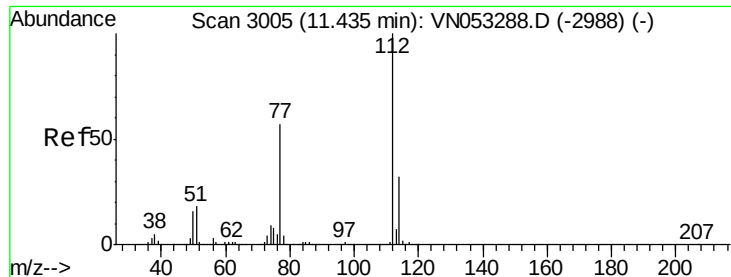
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#64
Tetrachloroethene
Concen: 20.380 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion:164 Resp: 218513
Ion Ratio Lower Upper
164 100
166 127.2 101.7 152.5
129 88.4 72.1 108.1
131 85.8 69.9 104.9





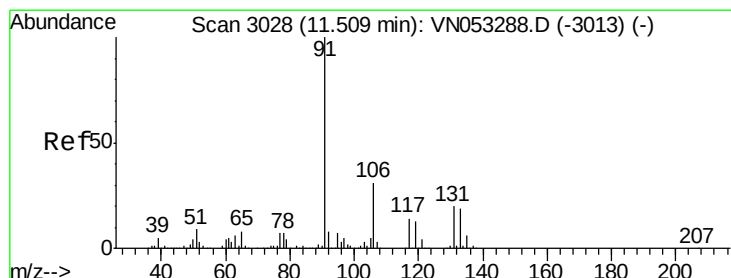
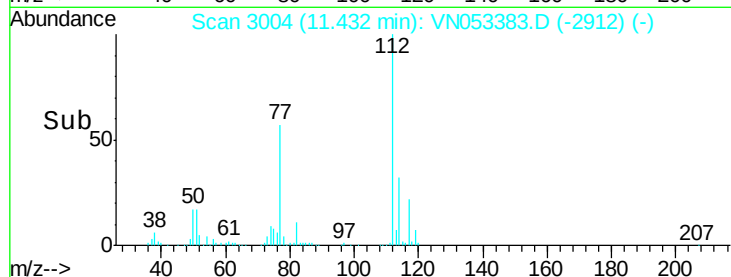
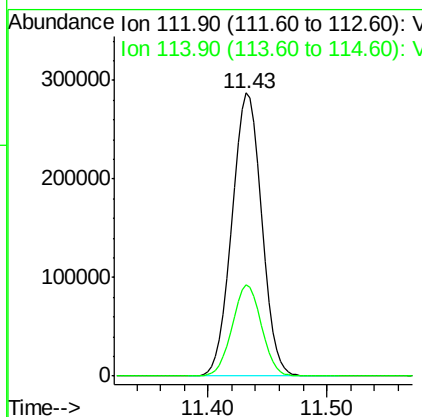
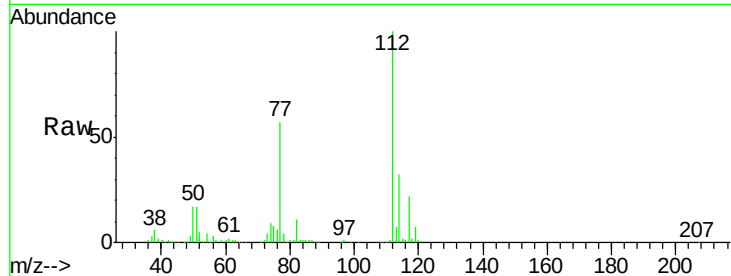
#65
Chlorobenzene
Concen: 20.097 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion:112 Resp: 497345
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

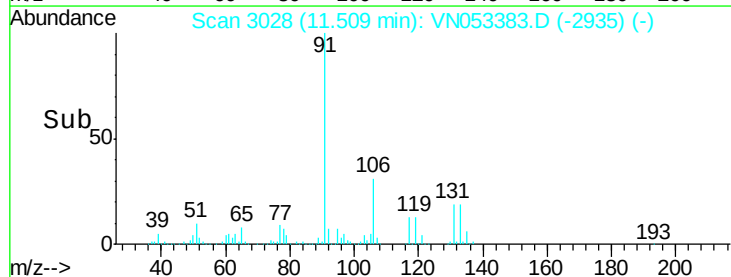
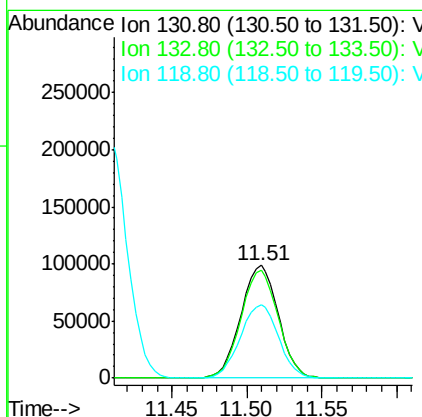
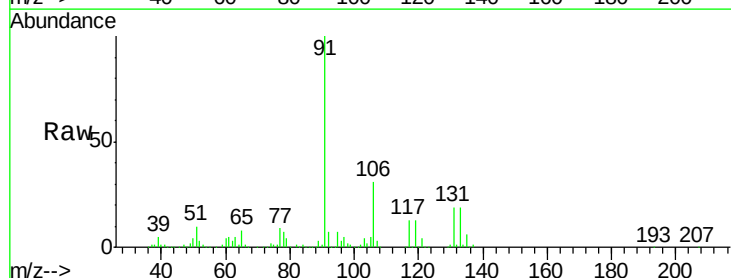
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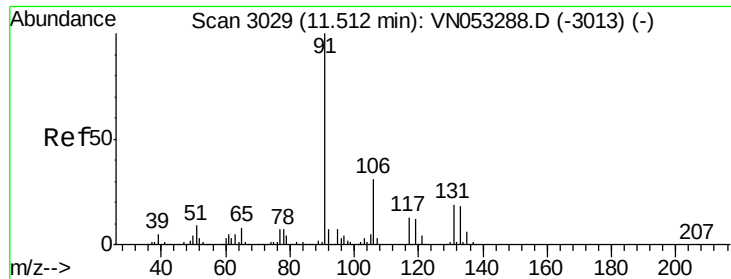
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.889 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion:131 Resp: 172280
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 66.1 33.3 99.9





#67

Ethyl Benzene

Concen: 20.102 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion: 91 Resp: 845309

Ion Ratio Lower Upper

91 100

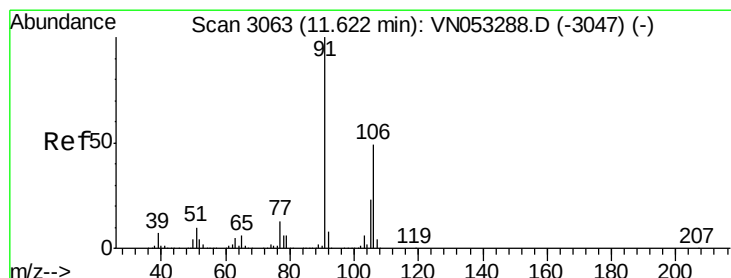
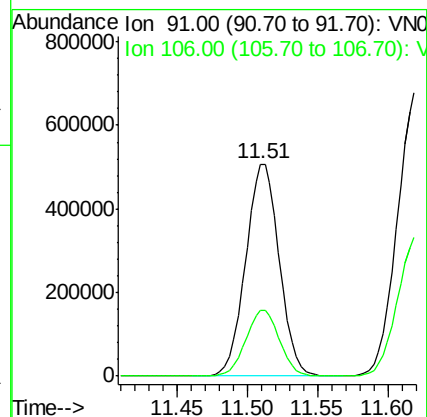
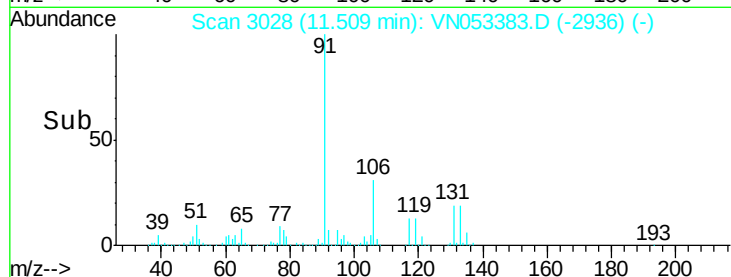
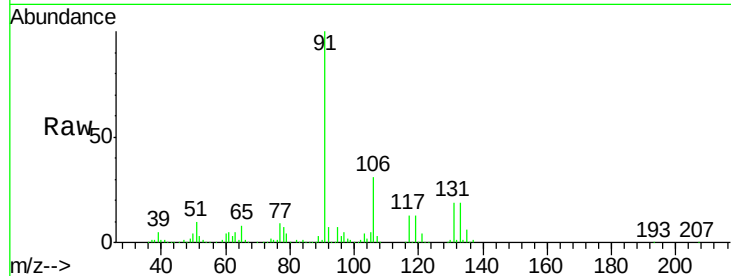
106 31.0 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.988 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053383.D

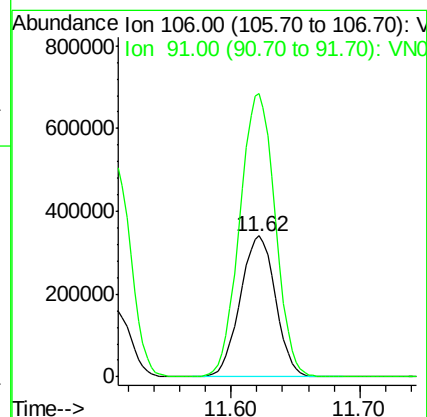
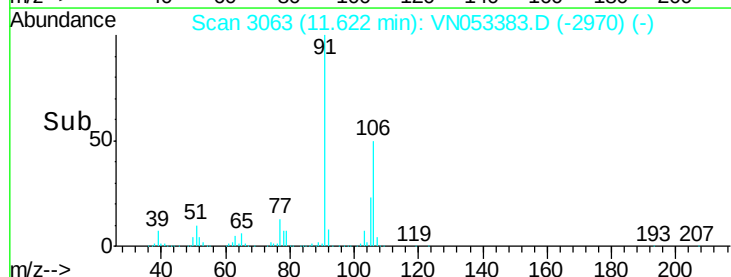
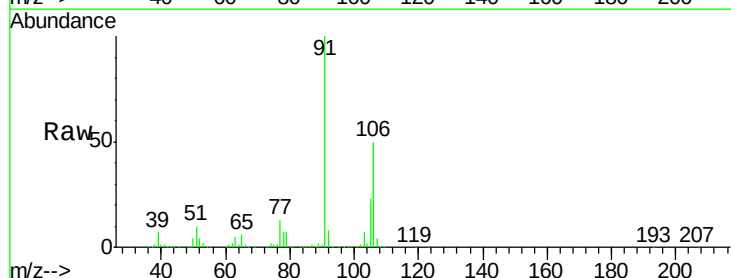
Acq: 14 Jan 2019 11:30

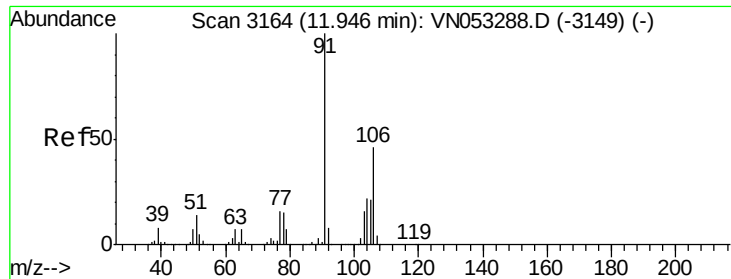
Tgt Ion: 106 Resp: 648129

Ion Ratio Lower Upper

106 100

91 201.6 161.4 242.2





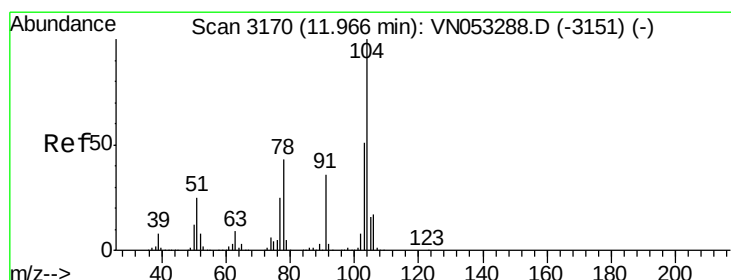
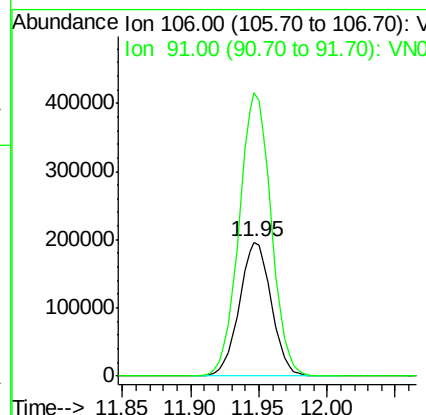
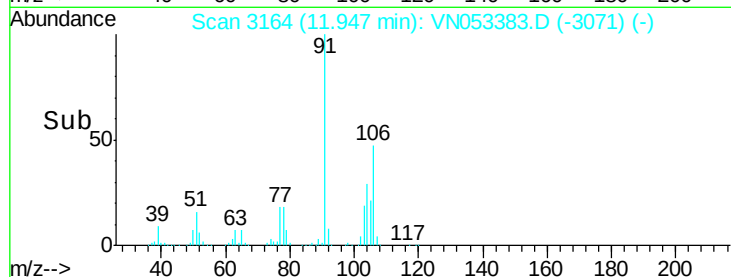
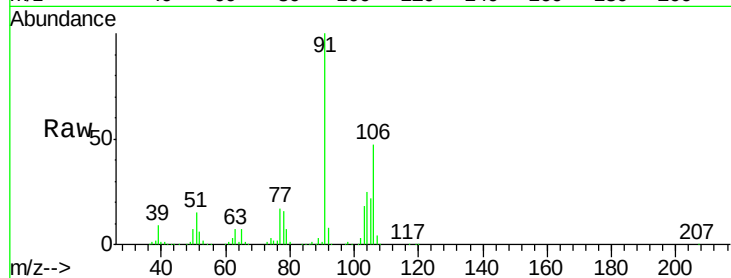
#69
o-Xylene
Concen: 20.523 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion:106 Resp: 317707
Ion Ratio Lower Upper
106 100
91 212.5 106.8 320.4

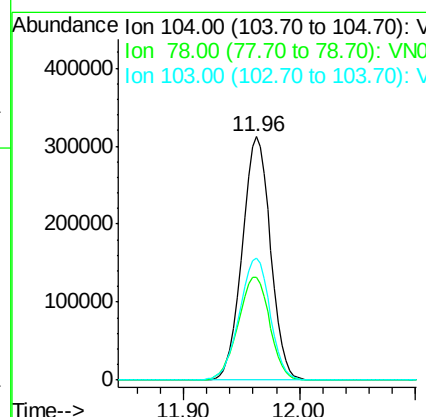
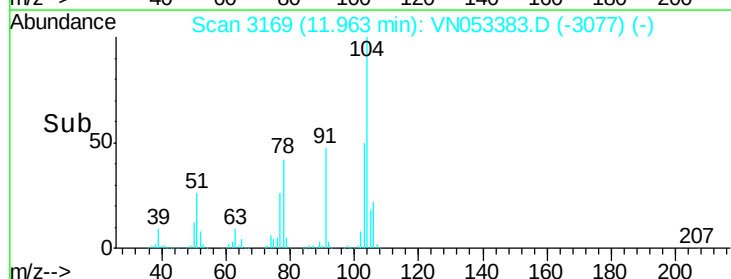
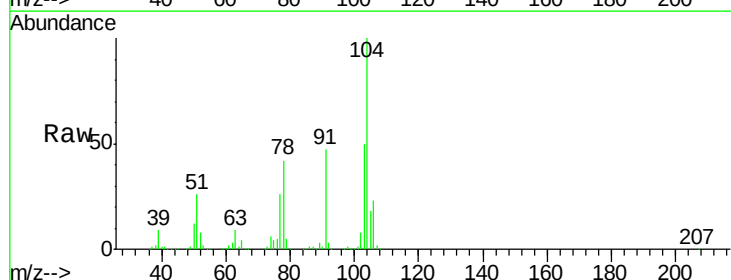
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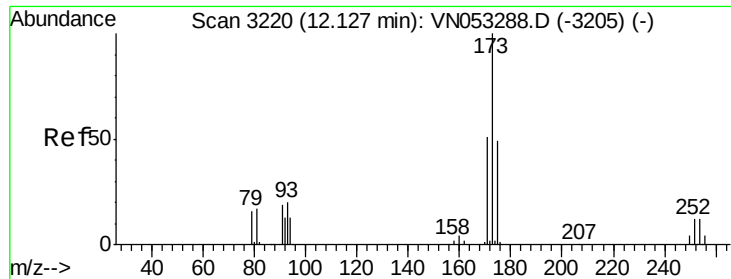
MMDadoda
1/15/2019 11:14:09 AM



#70
Styrene
Concen: 20.891 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion:104 Resp: 526345
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 54.6 44.5 66.7





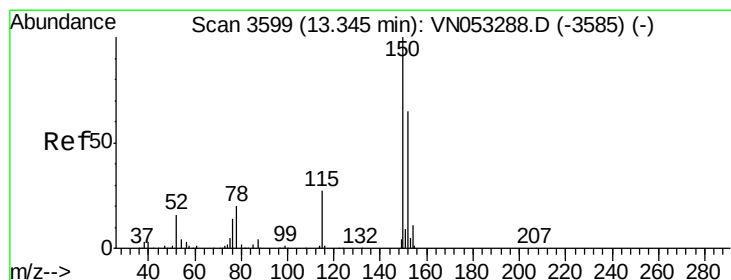
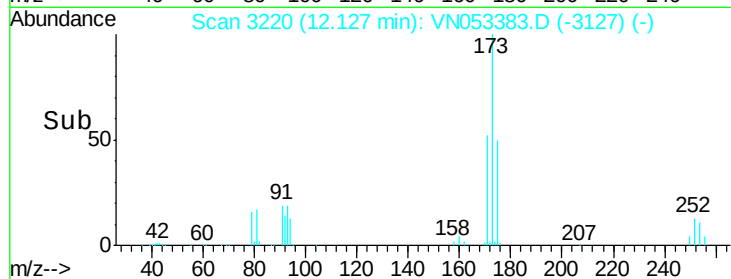
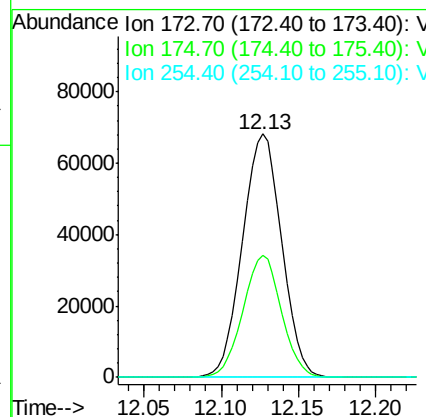
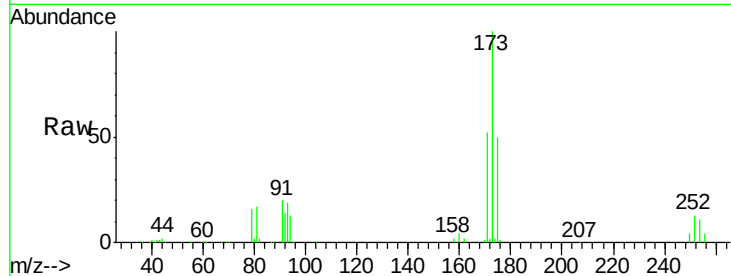
#71
Bromoform
Concen: 19.658 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.2	0.2

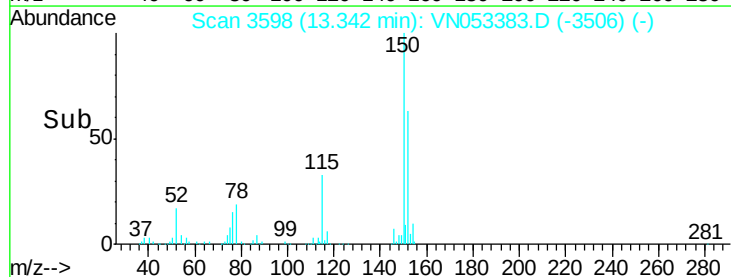
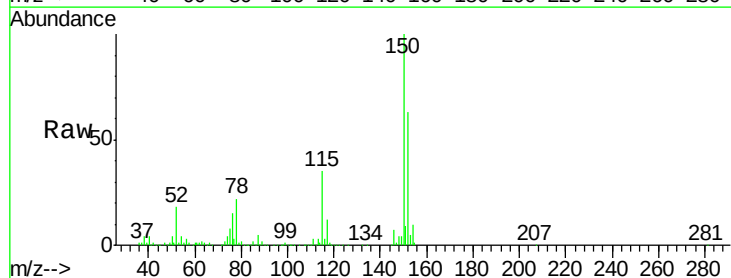
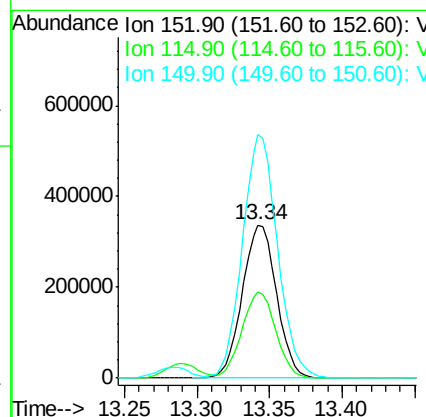
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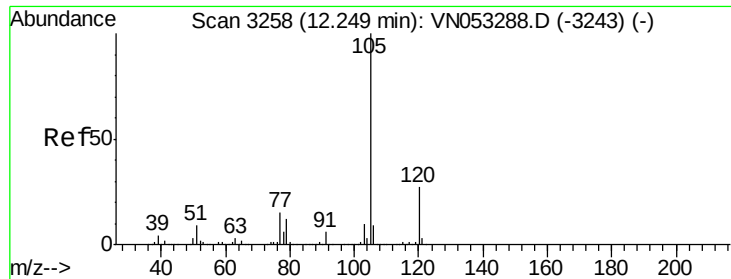
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.0	84.0
150	163.4	0.0	346.6





#73

Isopropylbenzene

Concen: 20.375 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion:105 Resp: 838458

Ion Ratio Lower Upper

105 100

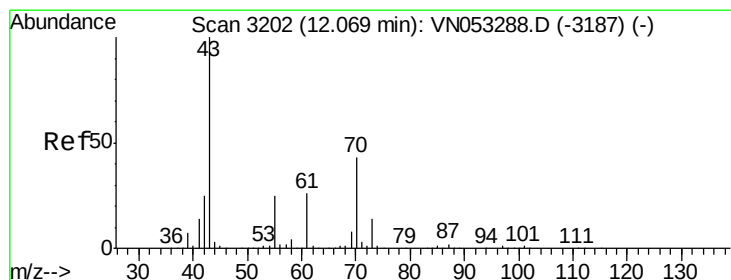
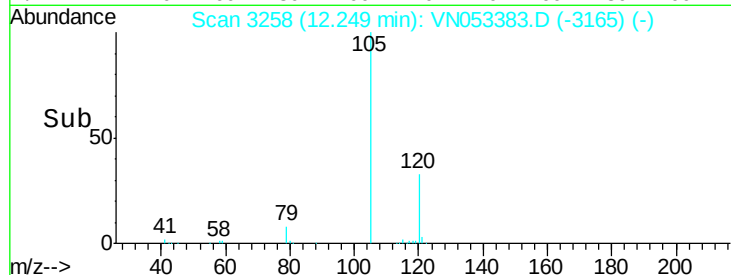
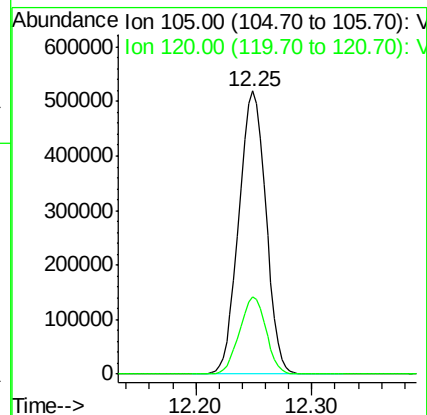
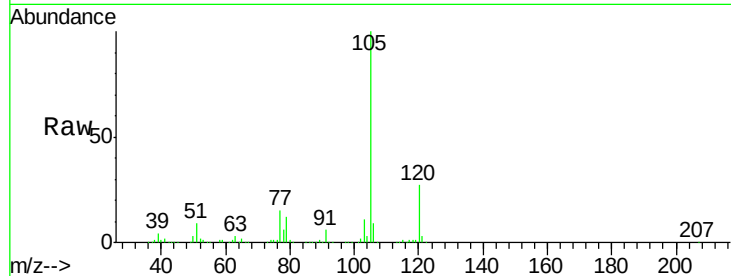
120 26.8 13.4 40.2

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#74

N-ethyl acetate

Concen: 19.015 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion: 43 Resp: 233661

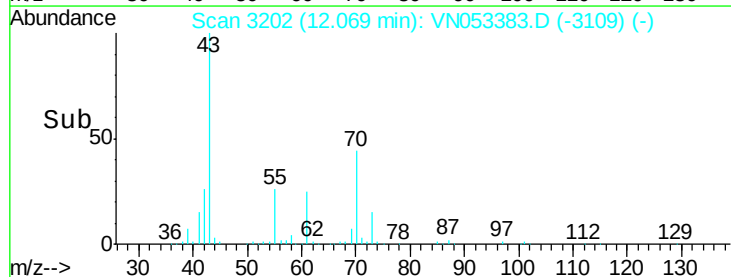
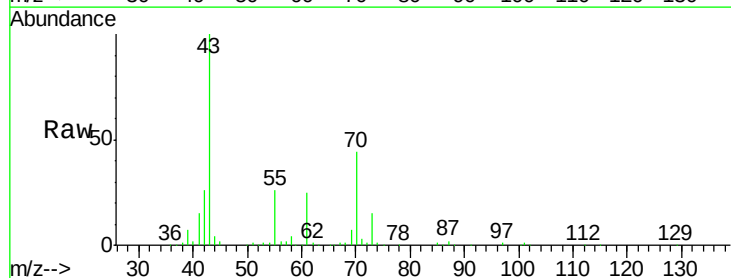
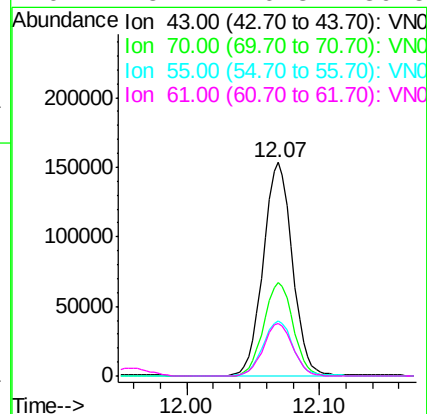
Ion Ratio Lower Upper

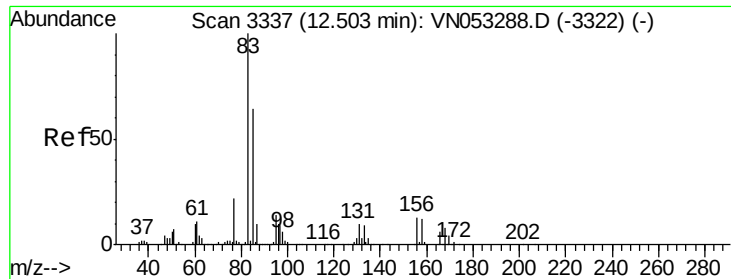
43 100

70 44.6 35.0 52.6

55 27.1 20.0 30.0

61 25.1 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.267 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

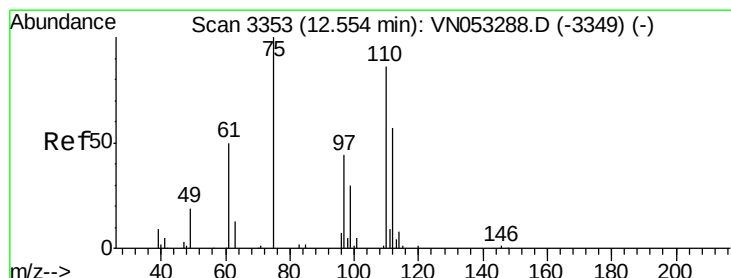
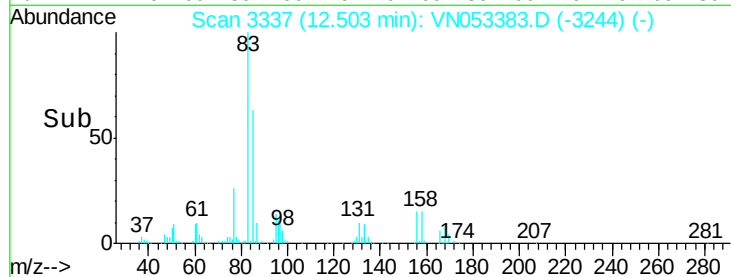
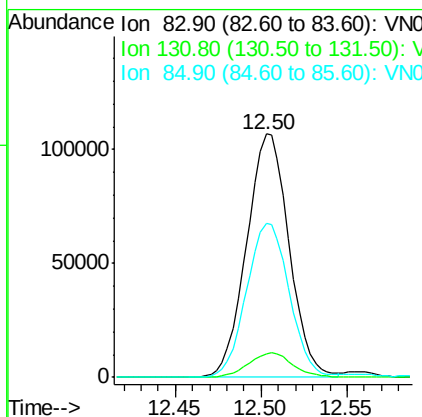
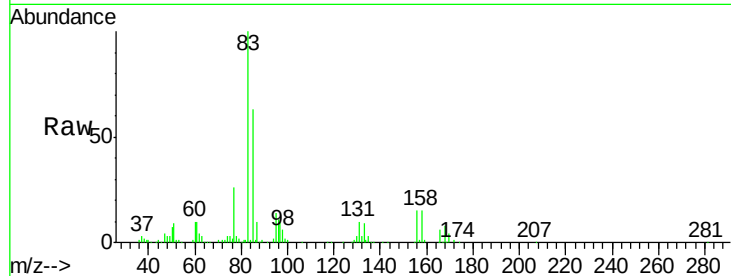
ClientSampleId :

VN0114MBS01

Tot Ion:	83	Resp:	182389
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	63.8	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 19.904 ug/l m

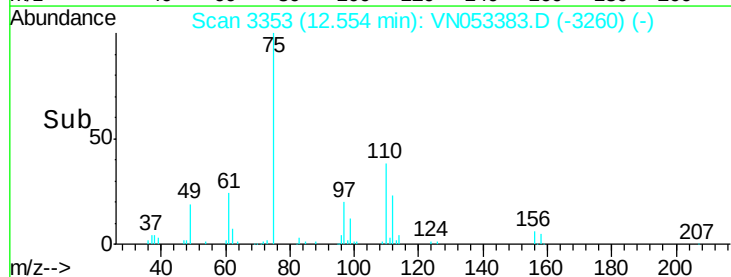
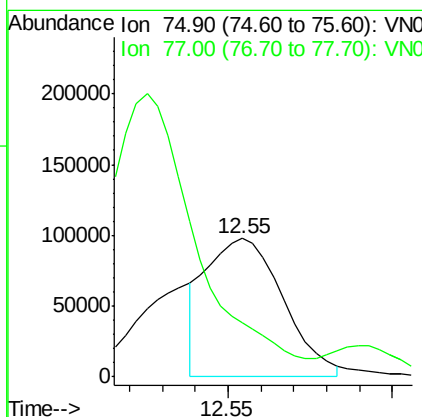
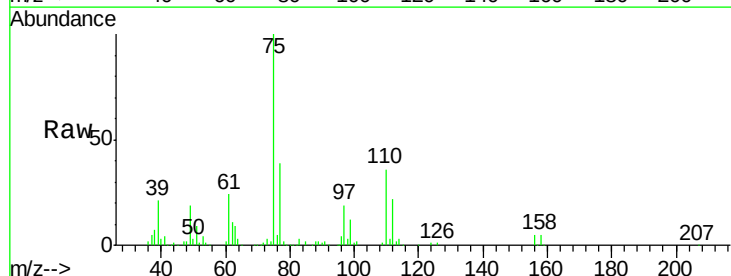
RT: 12.55 min Scan# 3353

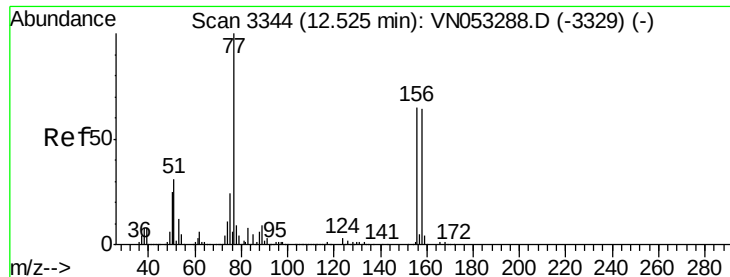
Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion:	75	Resp:	160463
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.140 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

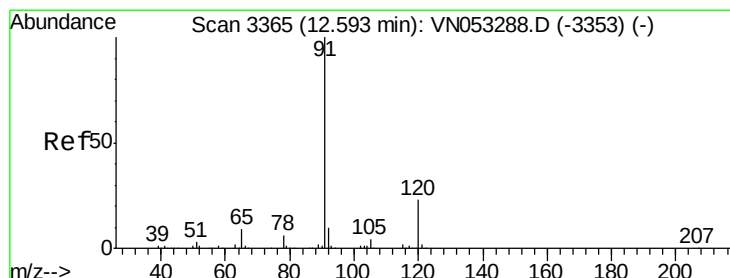
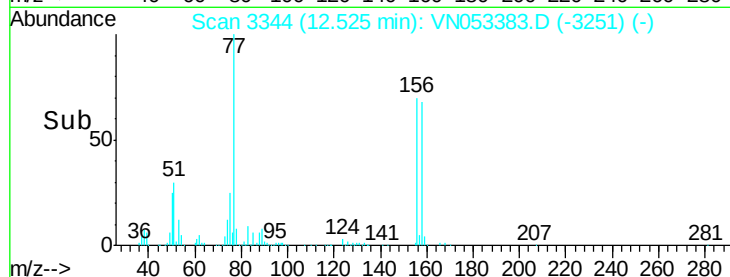
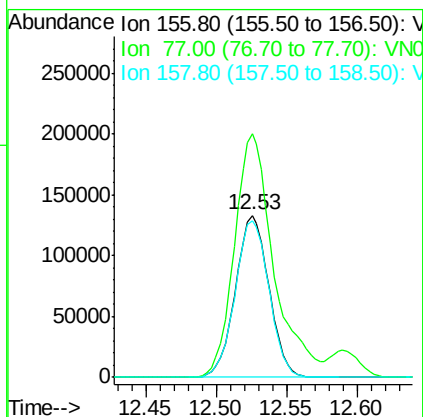
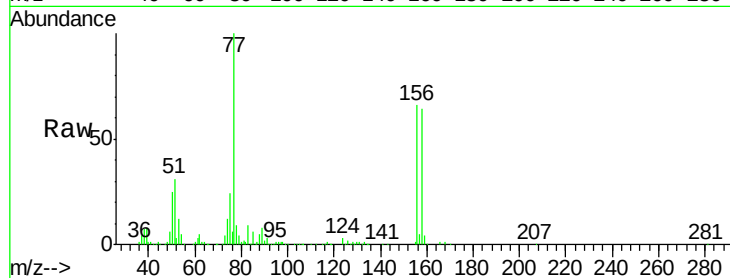
ClientSampleId :

VN0114MBS01

Tot Ion:	156	Resp:	221200
Ion Ratio	Lower	Upper	
156	100		
77	176.0	89.3	268.1
158	98.2	48.9	146.8

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#78

n-propylbenzene

Concen: 20.746 ug/l

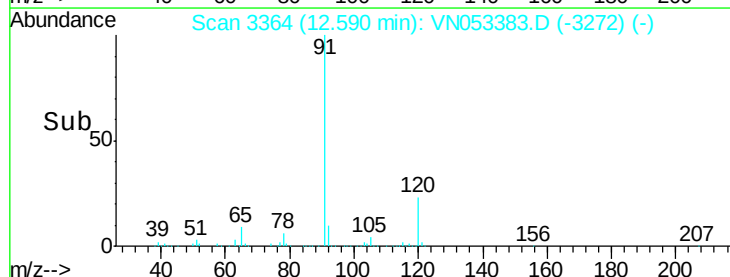
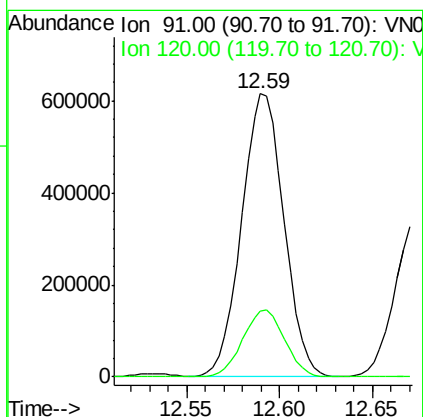
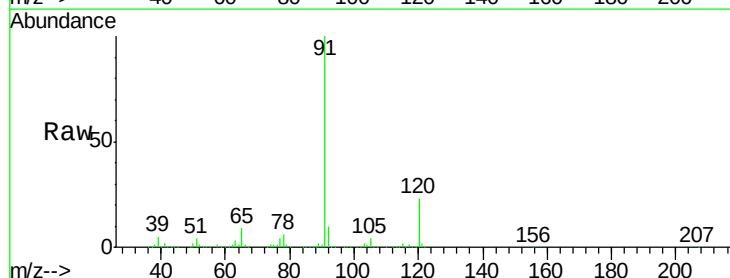
RT: 12.59 min Scan# 3364

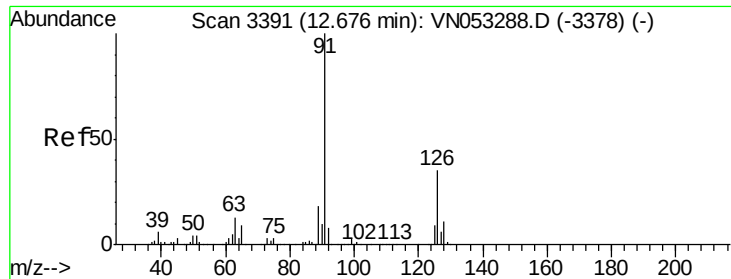
Delta R.T. -0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion:	91	Resp:	965677
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.337 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion: 91 Resp: 572797

Ion Ratio Lower Upper

91 100

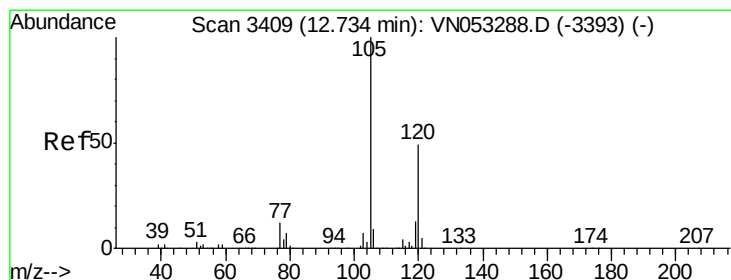
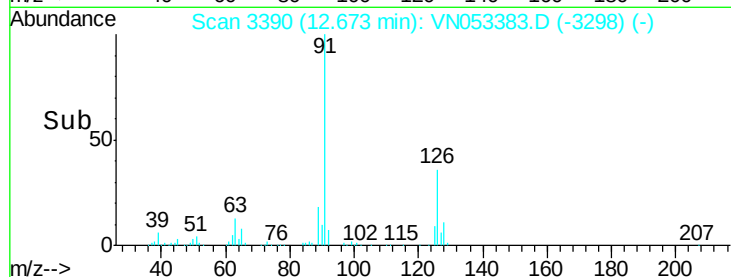
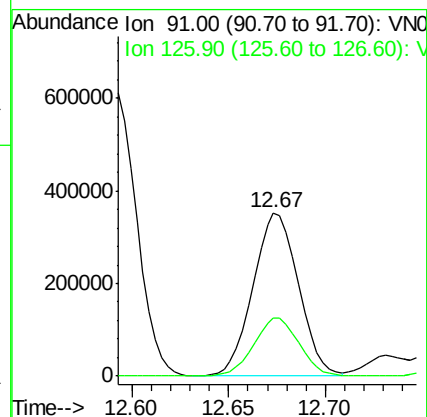
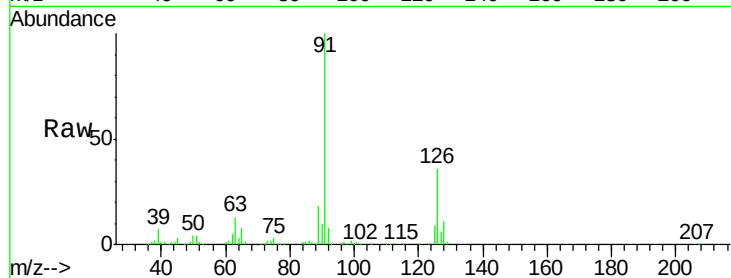
126 35.7 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.957 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053383.D

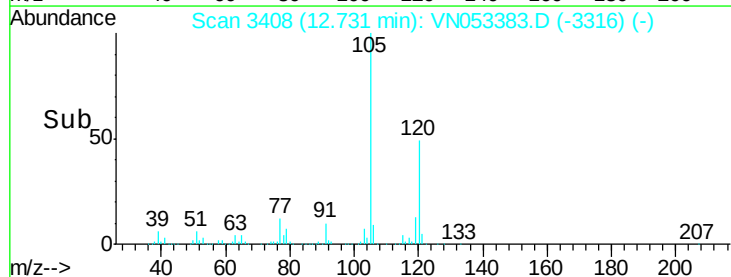
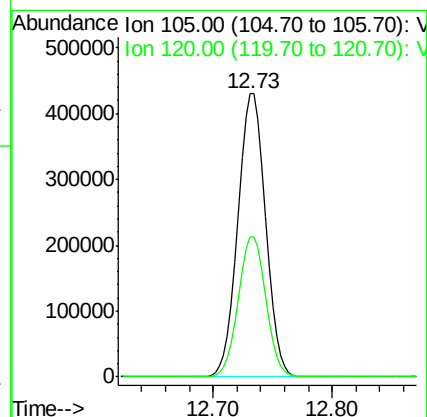
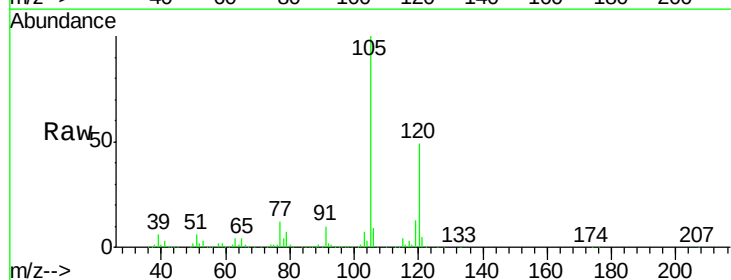
Acq: 14 Jan 2019 11:30

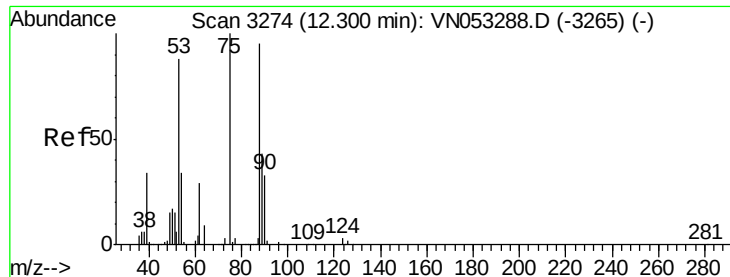
Tgt Ion: 105 Resp: 694688

Ion Ratio Lower Upper

105 100

120 49.2 24.7 74.1





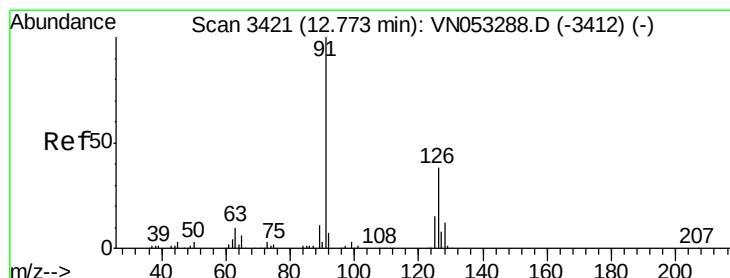
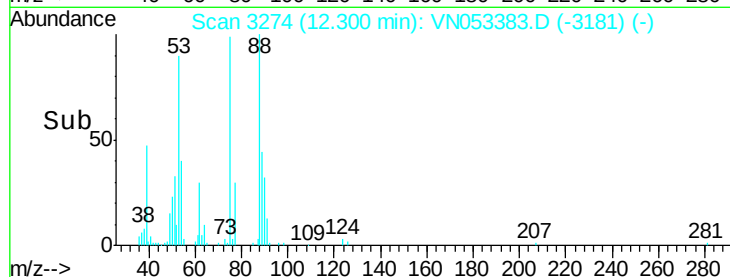
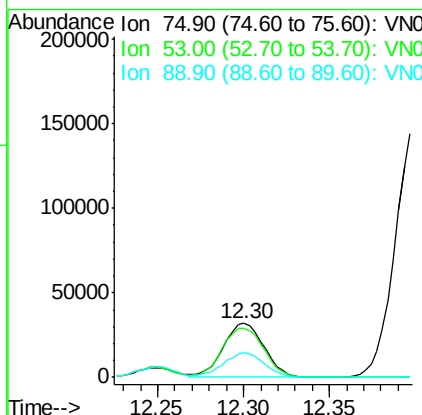
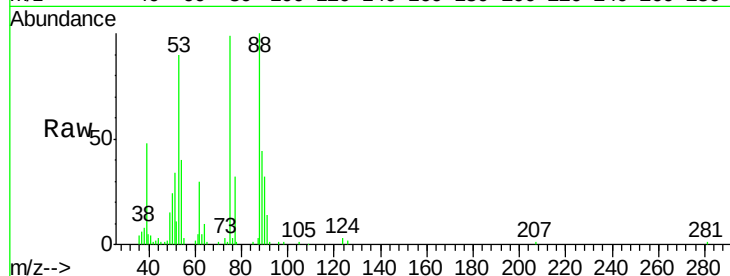
#81
trans-1,4-Dichloro-2-butene
Concen: 19.311 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0114MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.1	70.5	105.7
89	45.6	35.4	53.0

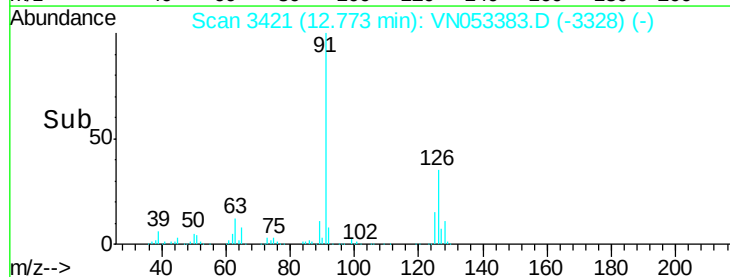
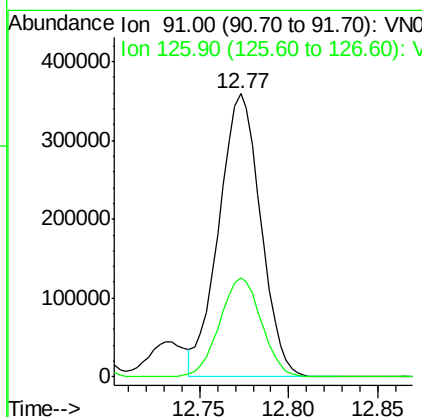
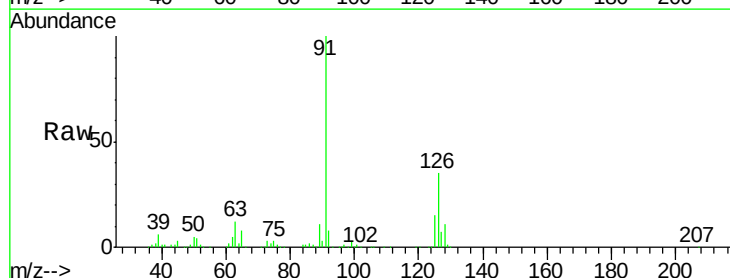
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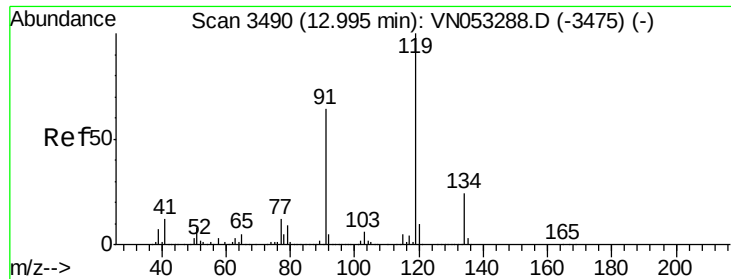
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#82
4-Chlorotoluene
Concen: 20.137 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053383.D
Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.4	52.2





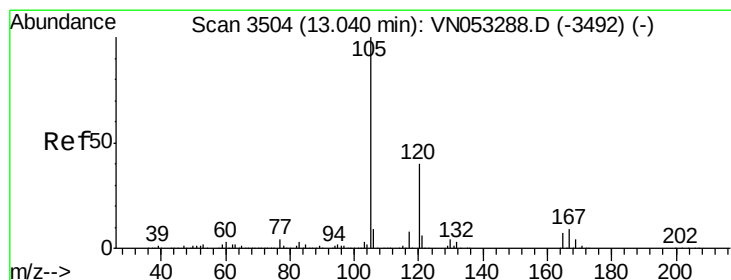
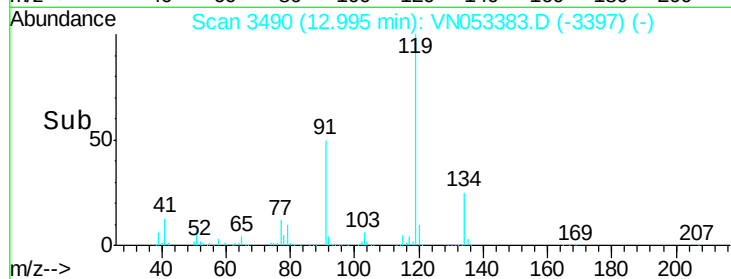
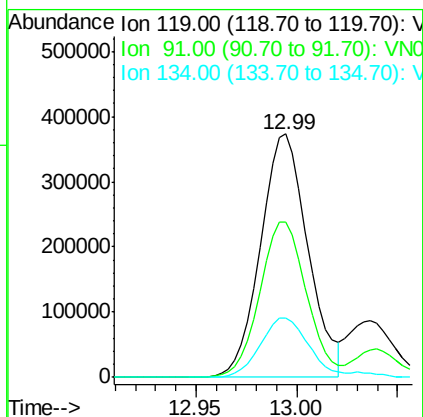
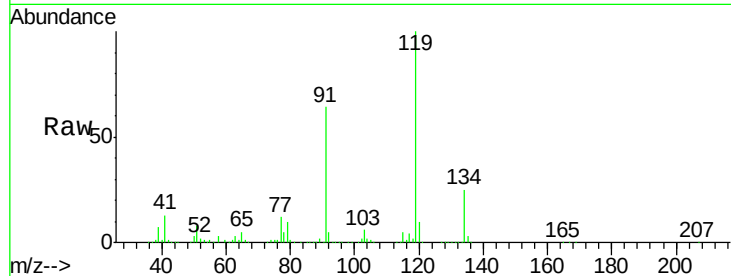
#83
 tert-Butylbenzene
 Concen: 21.013 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	611112		
91	62.8		31.6	95.0
134	26.1		12.9	38.6

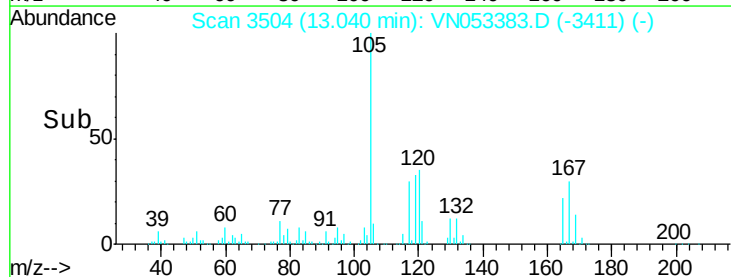
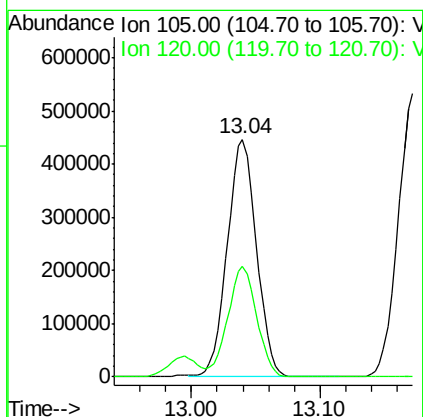
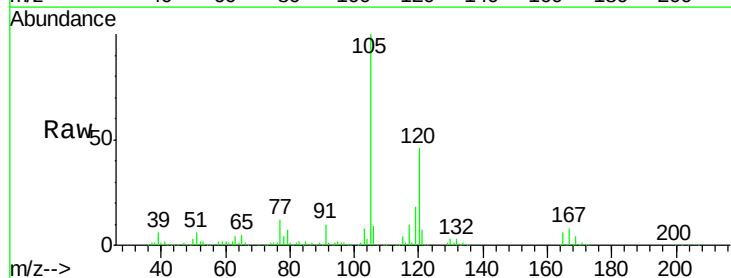
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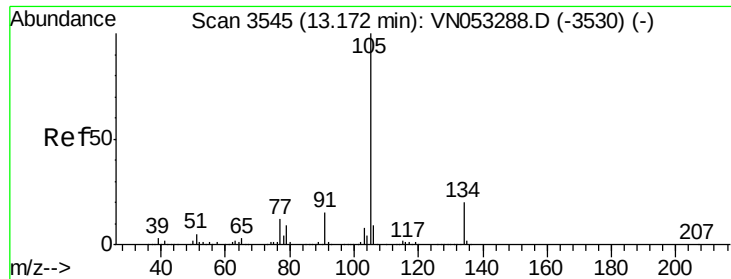
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.727 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	699940		
120	46.1		23.0	69.0





#85

sec-Butylbenzene

Concen: 21.782 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0114MBS01

Tot Ion:105 Resp: 835423

Ion Ratio Lower Upper

105 100

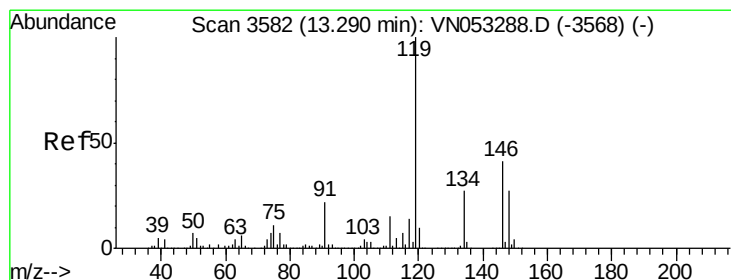
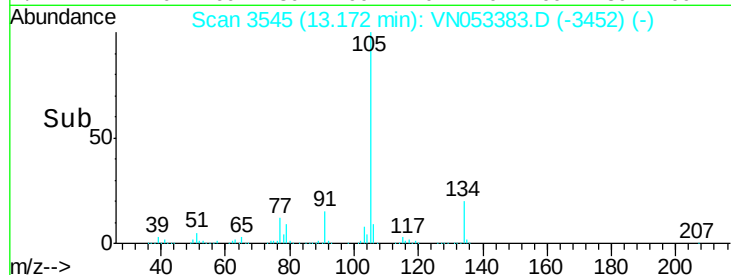
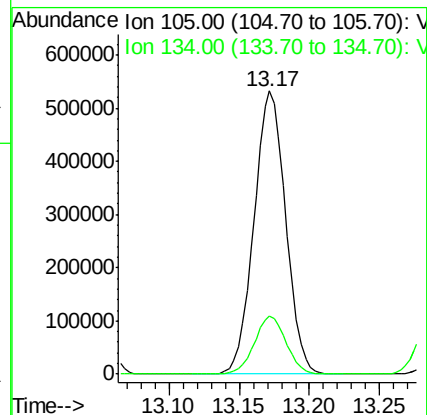
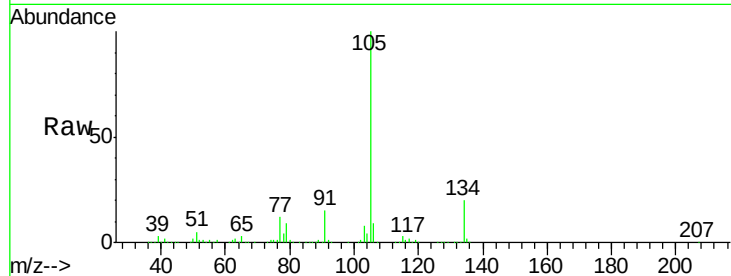
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 21.928 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

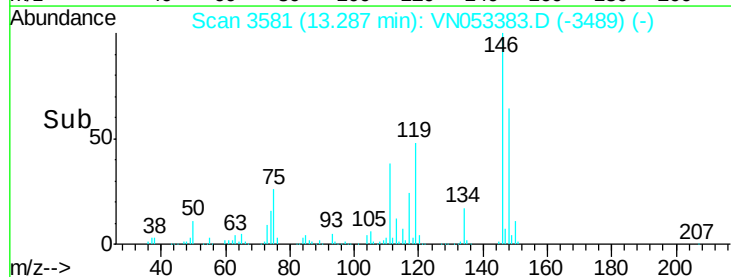
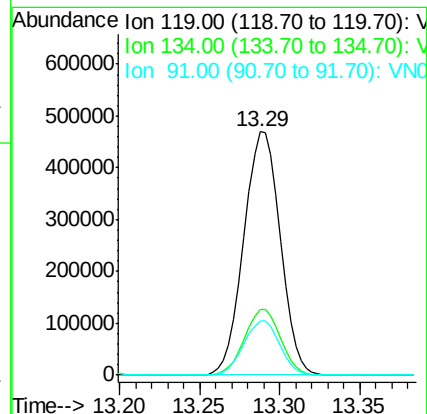
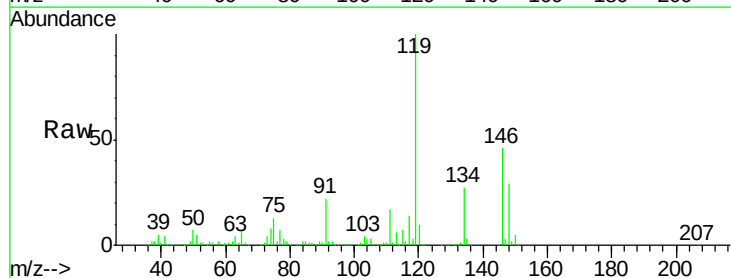
Tgt Ion:119 Resp: 728171

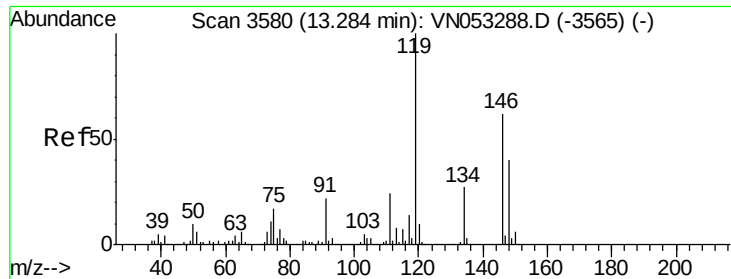
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.1 11.1 33.1





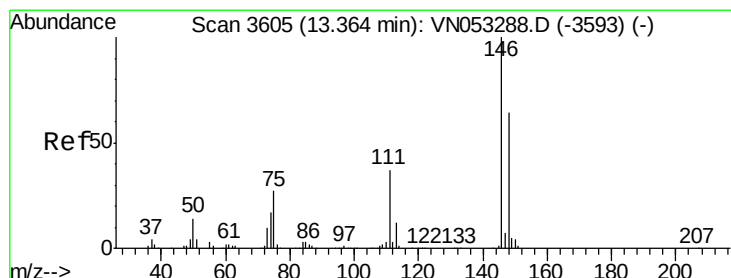
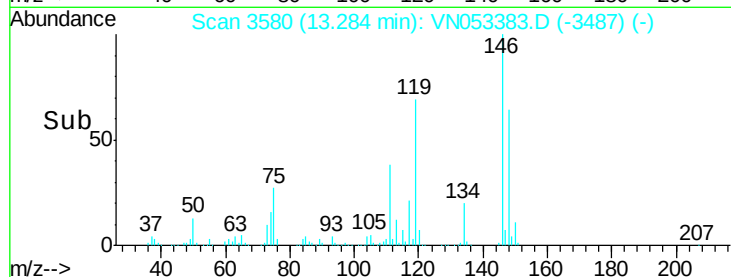
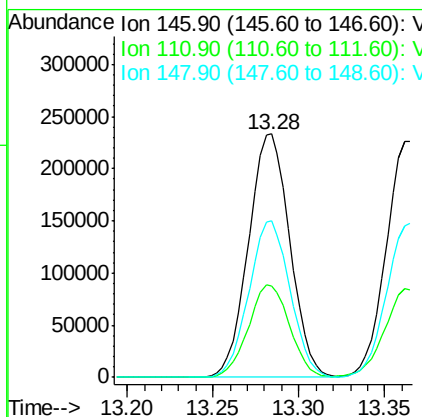
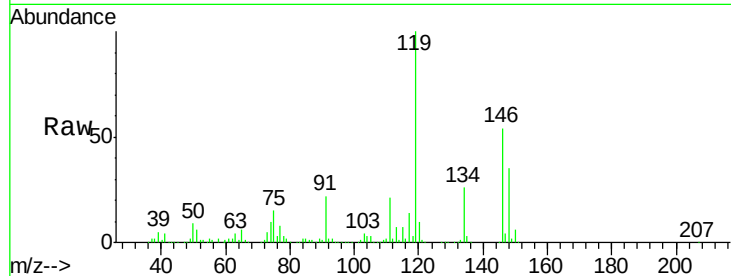
#87
 1,3-Dichlorobenzene
 Concen: 20.118 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	389109		
111	37.8	18.9	56.5	
148	63.9	32.0	96.2	

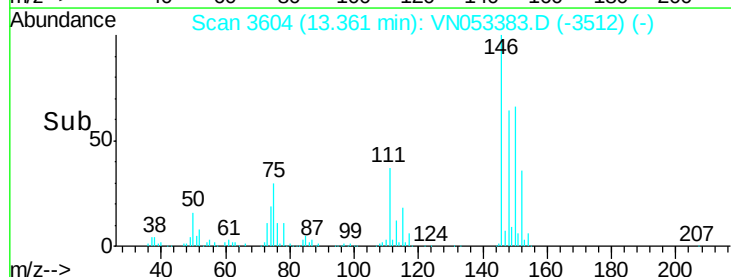
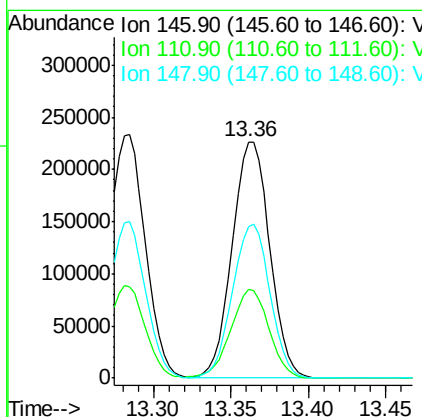
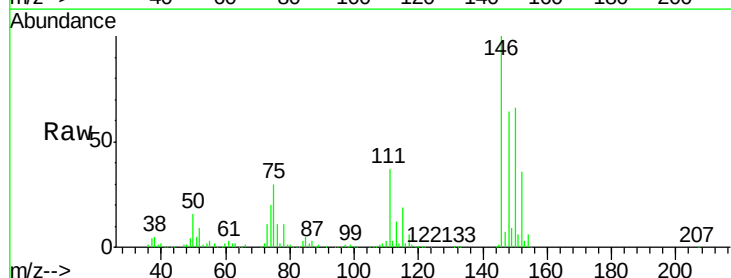
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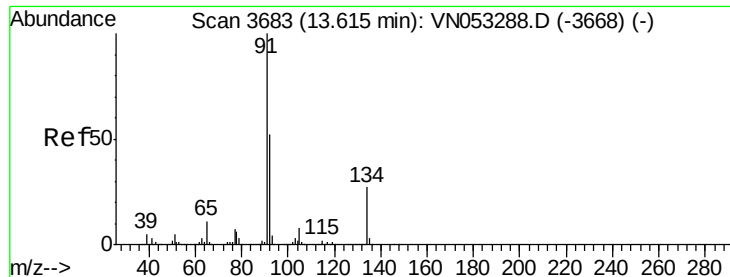
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#88
 1,4-Dichlorobenzene
 Concen: 19.917 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	382135		
111	38.2	18.6	55.8	
148	65.0	32.0	96.0	





#89

n-Butylbenzene

Concen: 21.574 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

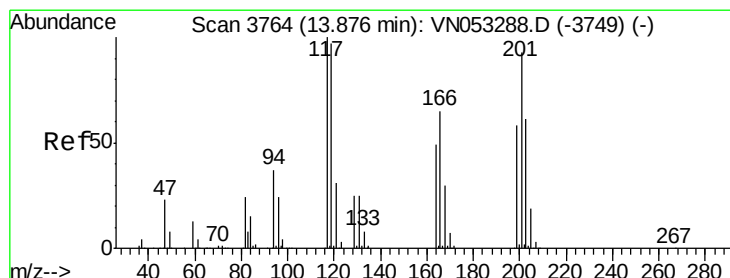
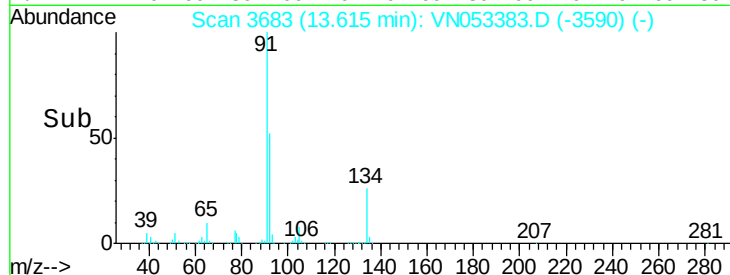
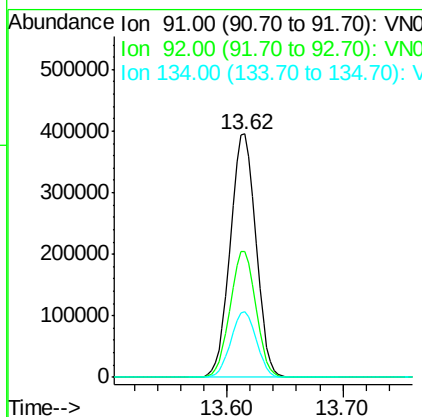
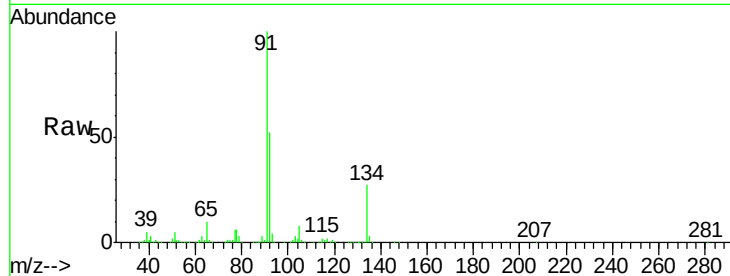
ClientSampleId :

VN0114MBS01

Tot Ion:	91	Resp:	600650
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.3	78.8
134	26.9	13.5	40.5

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#90

Hexachloroethane

Concen: 20.219 ug/l

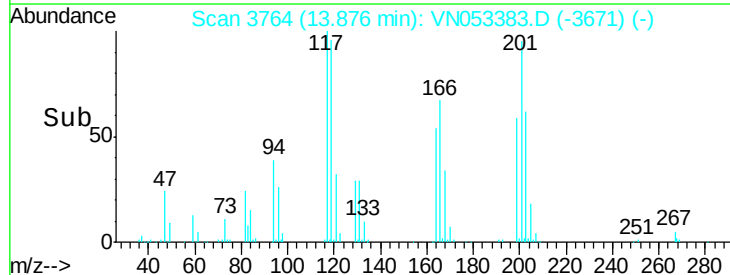
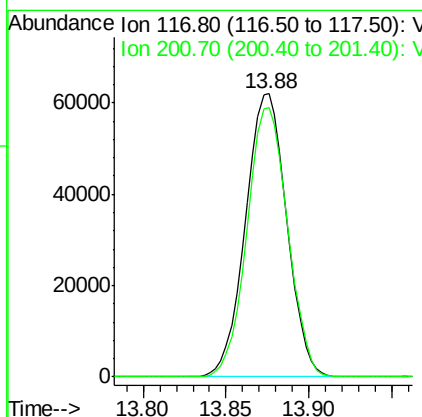
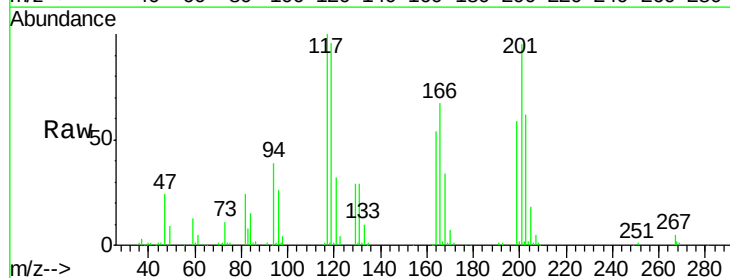
RT: 13.88 min Scan# 3764

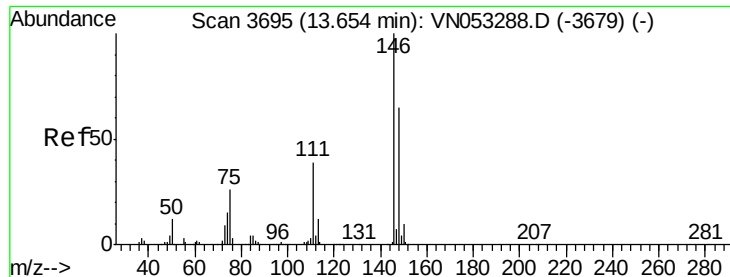
Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion:	117	Resp:	107616
Ion	Ratio	Lower	Upper
117	100		
201	93.7	46.1	138.3





#91

1,2-Dichlorobenzene

Concen: 20.204 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

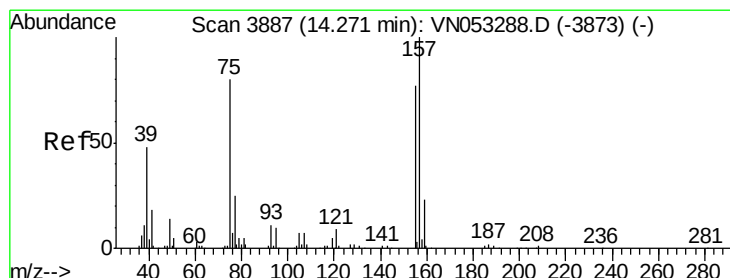
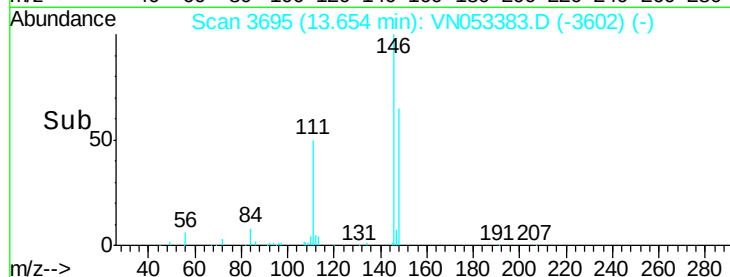
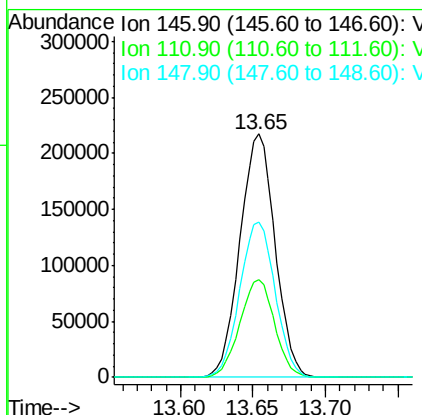
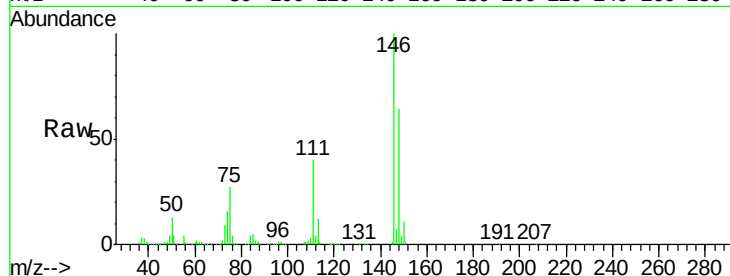
ClientSampleId :

VN0114MBS01

Tot Ion:	146	Resp:	366039
Ion Ratio		Lower	Upper
146	100		
111	39.7	19.4	58.2
148	64.3	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.441 ug/l

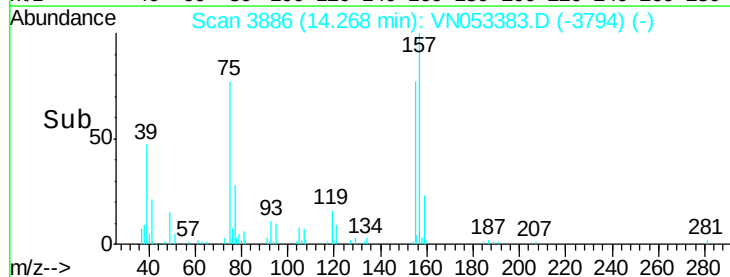
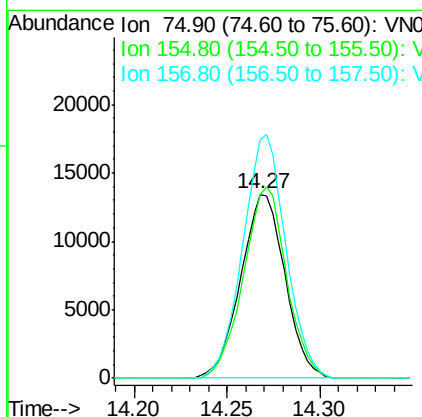
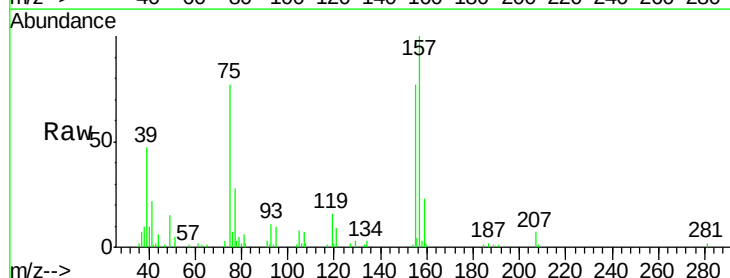
RT: 14.27 min Scan# 3886

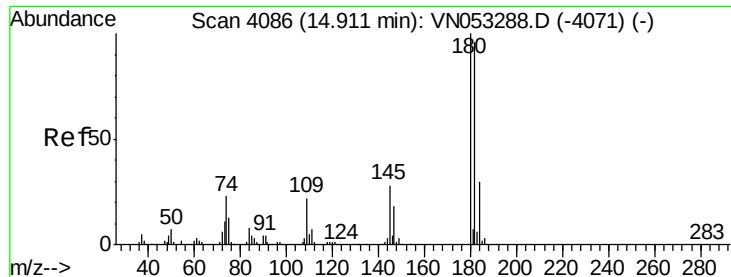
Delta R.T. -0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion:	75	Resp:	22322
Ion Ratio		Lower	Upper
75	100		
155	101.4	48.1	144.3
157	128.9	61.5	184.4





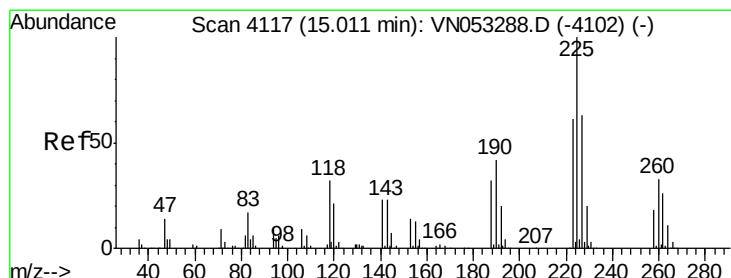
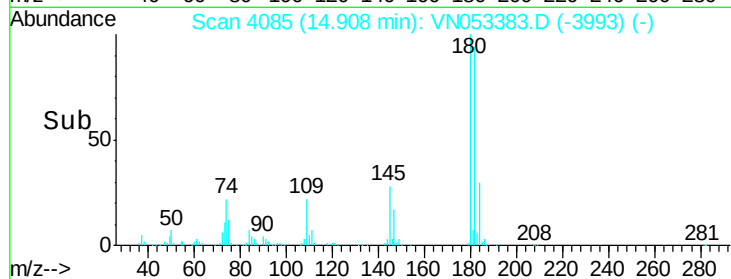
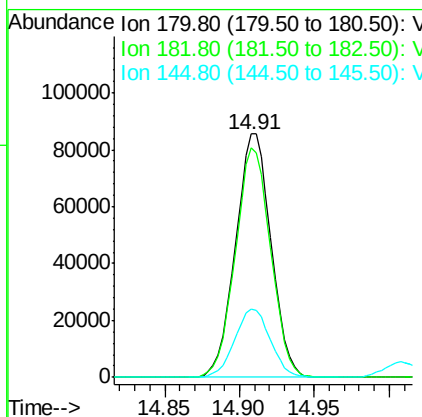
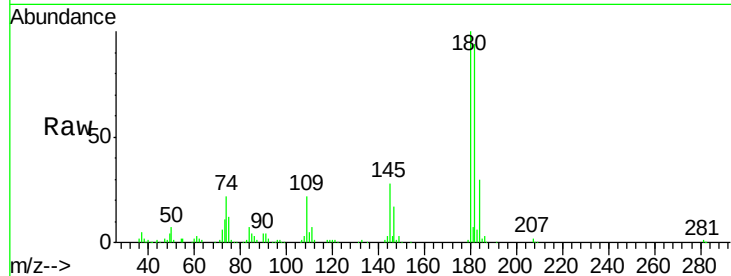
#93
 1,2,4-Trichlorobenzene
 Concen: 24.790 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	141216		
182	93.8	47.8	143.4	
145	28.4	14.4	43.0	

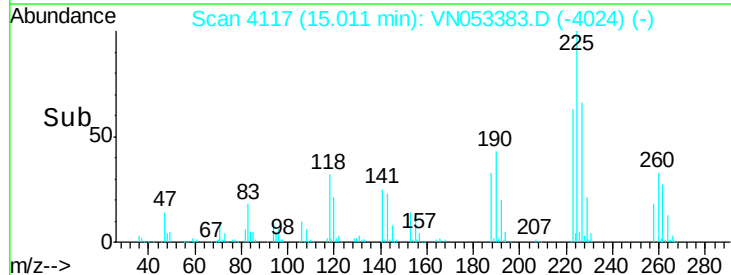
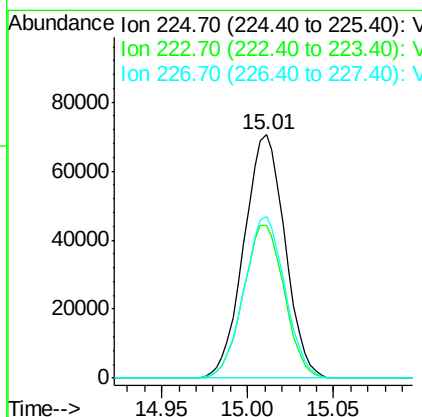
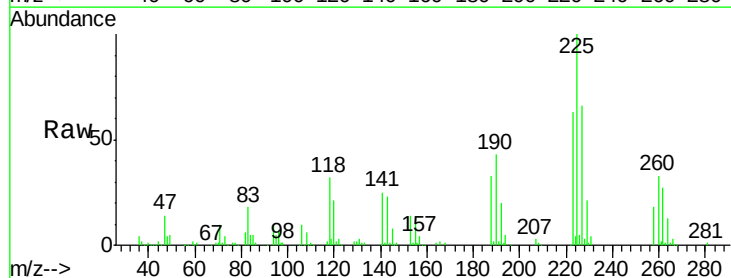
Manual Integrations
 APPROVED

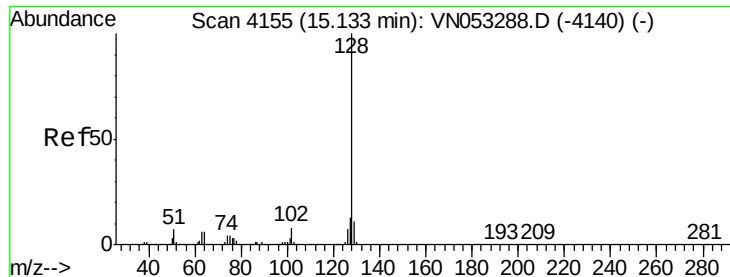
MMDadoda
 1/15/2019 11:14:09 AM



#94
 Hexachlorobutadiene
 Concen: 25.050 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053383.D
 Acq: 14 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116718		
223	62.5	30.9	92.8	
227	65.8	31.4	94.2	





#95

Naphthalene

Concen: 24.149 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Instrument :

MSVOA_N

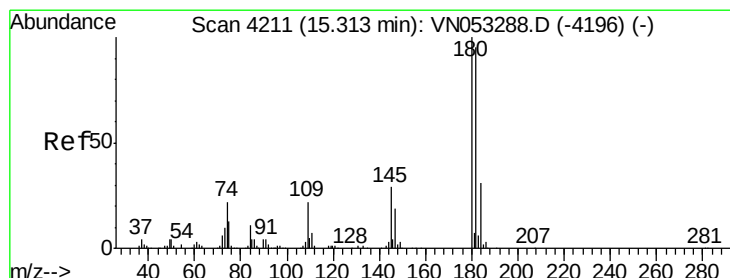
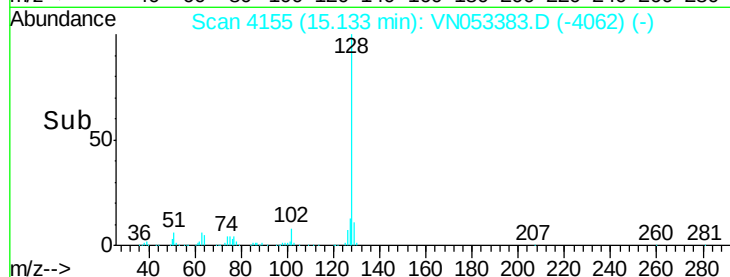
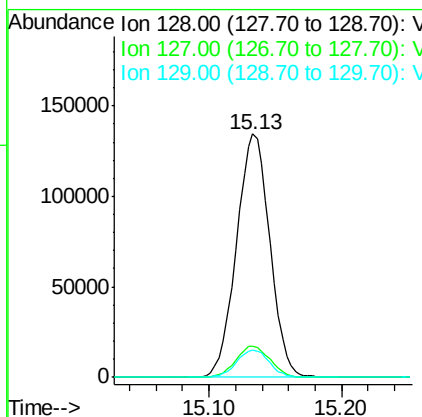
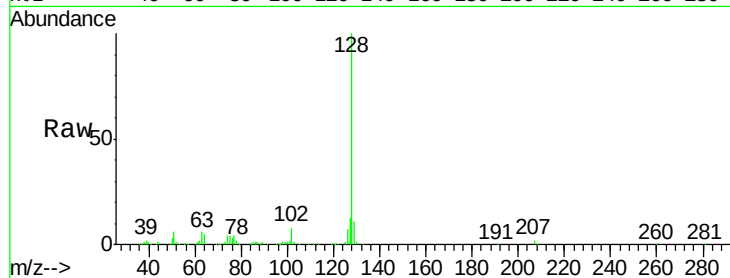
ClientSampleId :

VN0114MBS01

Tot Ion:	128	Resp:	234676
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/15/2019 11:14:09 AM



#96

1,2,3-Trichlorobenzene

Concen: 26.018 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053383.D

Acq: 14 Jan 2019 11:30

Tgt Ion:	180	Resp:	97037
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.4	145.0
145	30.9	14.9	44.5

