

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011019\
 Data File : VN053340.D
 Acq On : 10 Jan 2019 14:34
 Operator : MD\SY
 Sample : VN0110WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:11:56 AM

Quant Time: Jan 11 06:21:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	921988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1429126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1275807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	577468	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	463383	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	7.59	113	396711	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	10.09	98	1682151	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.40	95	586282	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	158860	19.544	ug/l	98
3) Chloromethane	2.06	50	211257	18.611	ug/l	97
4) Vinyl Chloride	2.19	62	206897	19.097	ug/l	99
5) Bromomethane	2.54	94	136198	19.238	ug/l	99
6) Chloroethane	2.69	64	124194	18.992	ug/l	97
7) Trichlorofluoromethane	3.02	101	268700	19.148	ug/l	98
8) Diethyl Ether	3.41	74	107881	19.614	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	170893	19.215	ug/l	99
10) Methyl Iodide	3.95	142	234401	18.802	ug/l	100
11) Tert butyl alcohol	4.78	59	45323	78.557	ug/l	100
12) 1,1-Dichloroethene	3.73	96	164304	19.099	ug/l	99
13) Acrolein	3.61	56	61718	85.080	ug/l	100
14) Allyl chloride	4.32	41	270445	19.505	ug/l	97
15) Acrylonitrile	4.99	53	337324	97.942	ug/l	100
16) Acetone	3.82	43	239174	102.283	ug/l	99
17) Carbon Disulfide	4.05	76	457697	17.257	ug/l	100
18) Methyl Acetate	4.32	43	163206	18.800	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	482103	19.968	ug/l	100
20) Methylene Chloride	4.55	84	197797	19.199	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	178393	19.313	ug/l	98
22) Diisopropyl ether	5.95	45	597218	19.994	ug/l	99
23) Vinyl Acetate	5.90	43	1872121	99.609	ug/l	99
24) 1,1-Dichloroethane	5.85	63	339124	19.685	ug/l	100
25) 2-Butanone	6.83	43	382328	97.154	ug/l	100
26) 2,2-Dichloropropane	6.82	77	248583	19.739	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	208062	19.725	ug/l	99
28) Bromochloromethane	7.19	49	157242	21.419	ug/l	99
29) Tetrahydrofuran	7.21	42	254997	98.192	ug/l	97
30) Chloroform	7.37	83	333065	19.642	ug/l	98
31) Cyclohexane	7.66	56	321667	19.530	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	276810	19.590	ug/l	99
36) 1,1-Dichloropropene	7.79	75	252820	18.949	ug/l	99
37) Ethyl Acetate	6.93	43	166293	19.135	ug/l	98
38) Carbon Tetrachloride	7.78	117	237228	19.264	ug/l	99

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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)
39) Methylcyclohexane	9.08	83	314105	20.322	ug/l	99
40) Benzene	8.04	78	793649	19.474	ug/l	99
41) Methacrylonitrile	7.18	41	88097	16.329	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	234168	19.371	ug/l	99
43) Isopropyl Acetate	8.16	43	312431	18.275	ug/l	98
44) Trichloroethene	8.84	130	213770	19.103	ug/l	100
45) 1,2-Dichloropropane	9.12	63	210467	19.690	ug/l	100
46) Dibromomethane	9.21	93	122032	19.581	ug/l	99
47) Bromodichloromethane	9.40	83	250869	19.316	ug/l	98
48) Methyl methacrylate	9.20	41	149315	19.224	ug/l	99
49) 1,4-Dioxane	9.20	88	22878	276.467	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	843733	98.140	ug/l	99
52) Toluene	10.16	92	493167	19.725	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	264071	19.875	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	305525	19.900	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	178829	19.452	ug/l	98
56) Ethyl methacrylate	10.43	69	236387	19.786	ug/l	99
57) 1,3-Dichloropropane	10.71	76	305922	19.899	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	635889	98.454	ug/l	100
59) 2-Hexanone	10.75	43	578175	98.153	ug/l	100
60) Dibromochloromethane	10.90	129	193499	19.514	ug/l	99
61) 1,2-Dibromoethane	11.01	107	178949	19.725	ug/l	99
64) Tetrachloroethene	10.63	164	237624	19.789	ug/l	98
65) Chlorobenzene	11.43	112	545818	19.694	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	192802	19.875	ug/l	98
67) Ethyl Benzene	11.51	91	934895	19.851	ug/l	99
68) m/p-Xylenes	11.62	106	708851	40.028	ug/l	99
69) o-Xylene	11.95	106	343703	19.825	ug/l	99
70) Styrene	11.96	104	573167	20.313	ug/l	99
71) Bromoform	12.13	173	133224	19.443	ug/l #	99
73) Isopropylbenzene	12.25	105	924466	21.502	ug/l	100
74) N-amyl acetate	12.07	43	264646	20.614	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	204541	20.681	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	180931m	21.481	ug/l	
77) Bromobenzene	12.53	156	237453	20.693	ug/l	99
78) n-propylbenzene	12.59	91	1039644	21.377	ug/l	98
79) 2-Chlorotoluene	12.67	91	618291	21.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	737252	21.288	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59746	20.870	ug/l	95
82) 4-Chlorotoluene	12.77	91	623122	20.651	ug/l	100
83) tert-Butylbenzene	12.99	119	657222	21.630	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	746443	21.157	ug/l	100
85) sec-Butylbenzene	13.17	105	893609	22.300	ug/l	100
86) p-Isopropyltoluene	13.29	119	763356	22.002	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	409703	20.275	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	399770	19.943	ug/l	99
89) n-Butylbenzene	13.62	91	628332	21.601	ug/l	99
90) Hexachloroethane	13.88	117	110422	19.857	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	371640	19.634	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24899	20.756	ug/l	97

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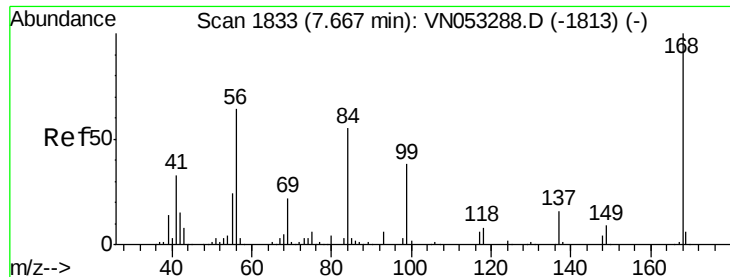
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145371	24.426	ug/l	99
94) Hexachlorobutadiene	15.01	225	115153	23.655	ug/l	100
95) Naphthalene	15.13	128	259507	25.560	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	105313	27.027	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion:168 Resp: 921988

Ion Ratio Lower Upper

168 100

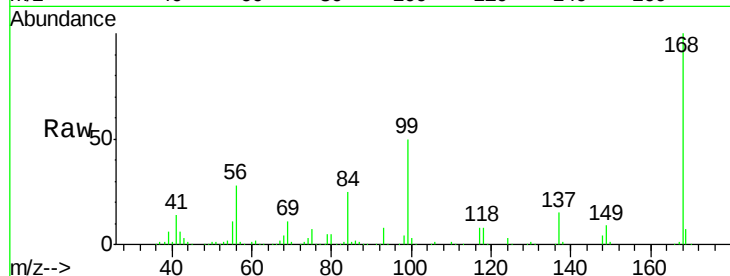
99 50.2 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

300000

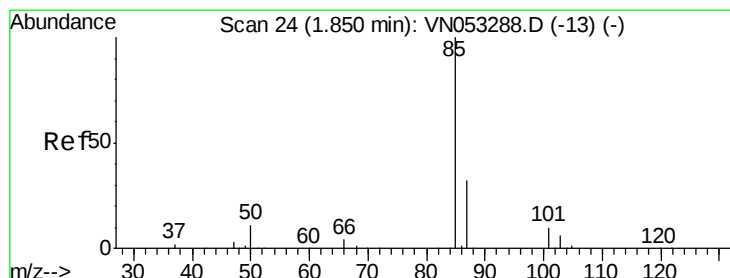
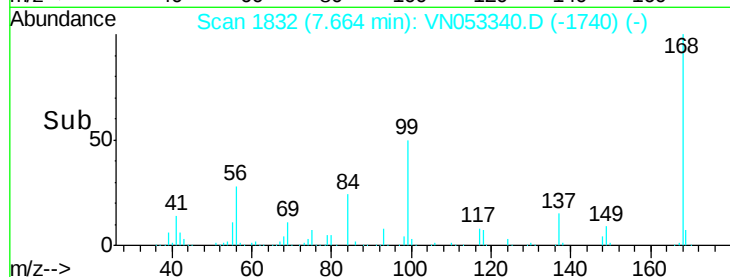
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.544 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053340.D

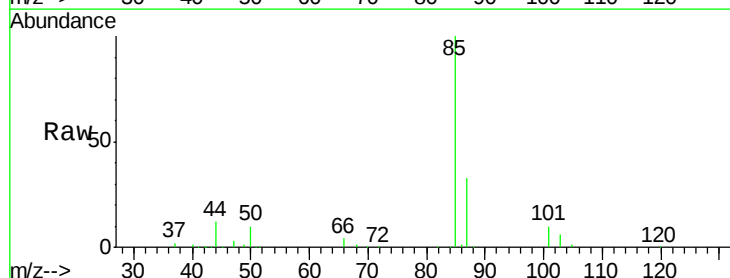
Acq: 10 Jan 2019 14:34

Tgt Ion: 85 Resp: 158860

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

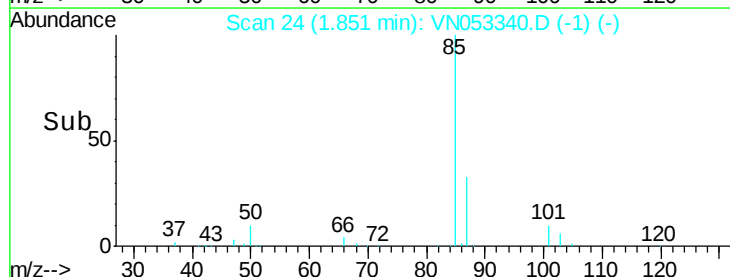
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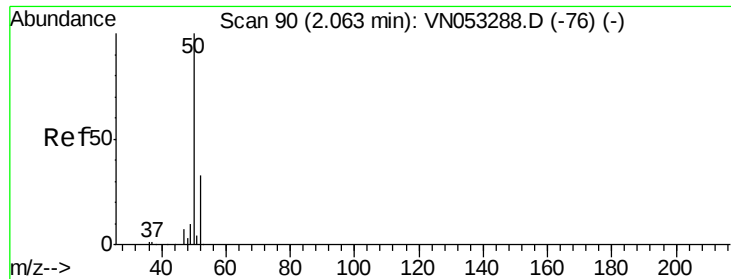
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.611 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion: 50 Resp: 211257

Ion Ratio Lower Upper

50 100

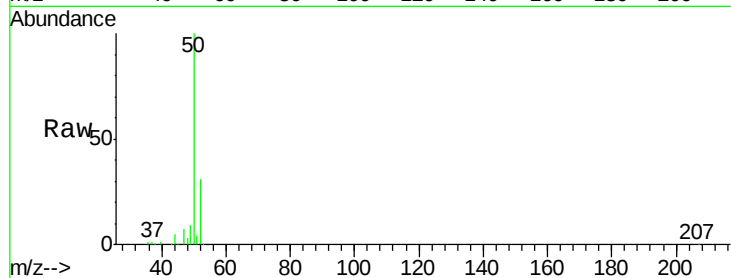
52 31.3 26.6 40.0

Manual Integrations

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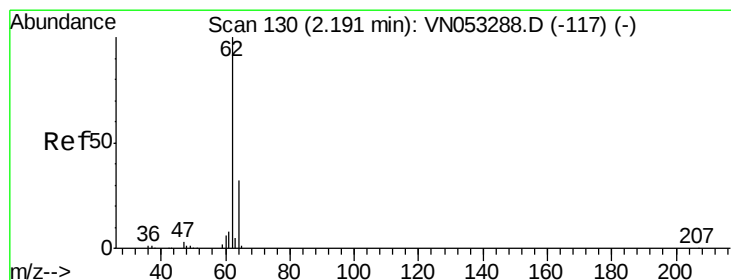
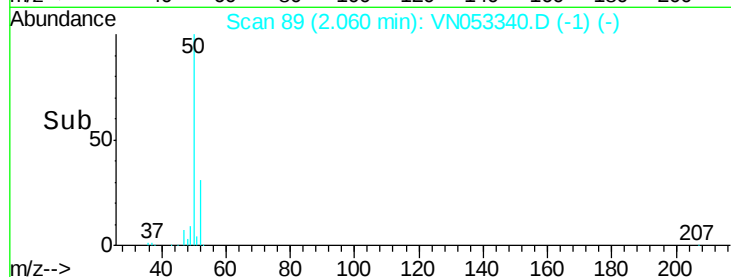
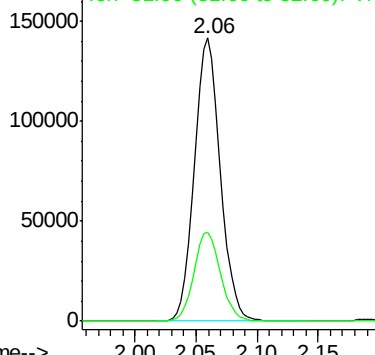
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.097 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053340.D

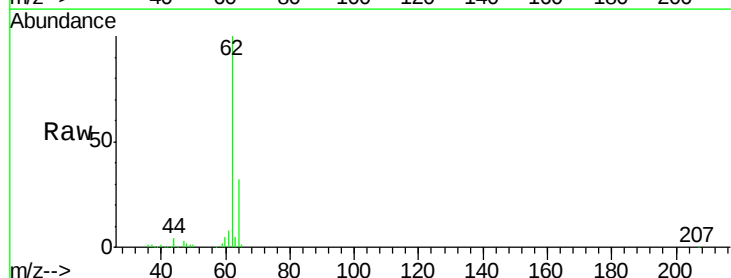
Acq: 10 Jan 2019 14:34

Tgt Ion: 62 Resp: 206897

Ion Ratio Lower Upper

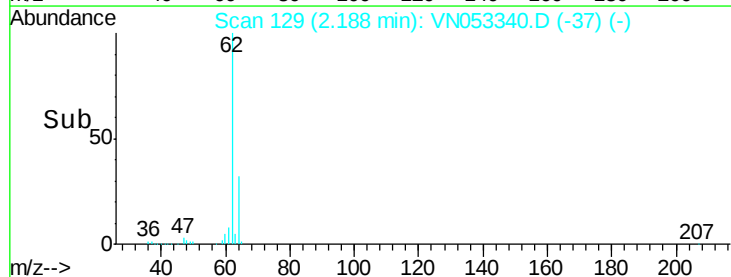
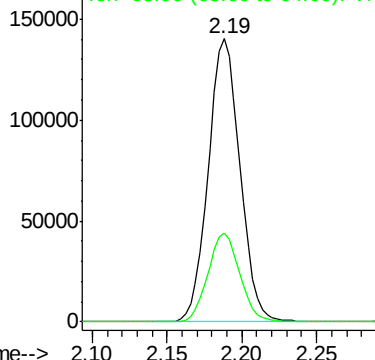
62 100

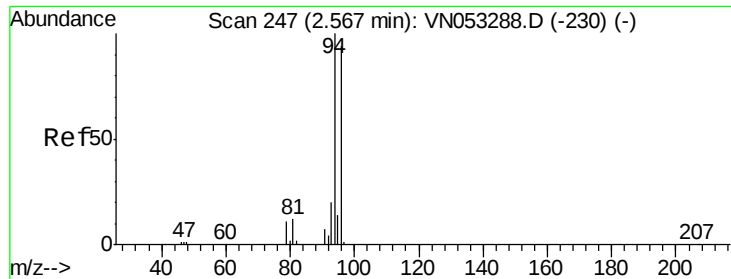
64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.238 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.03 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion: 94 Resp: 136198

Ion Ratio Lower Upper

94 100

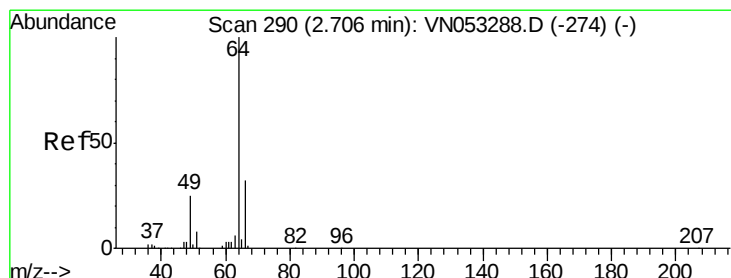
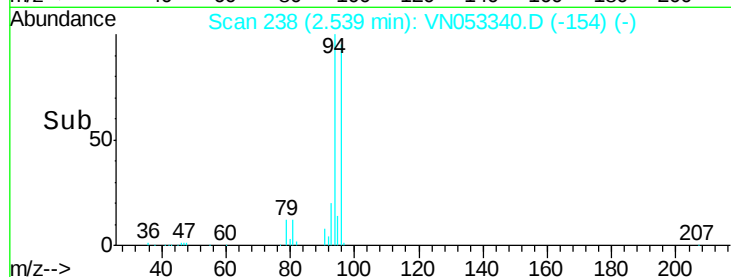
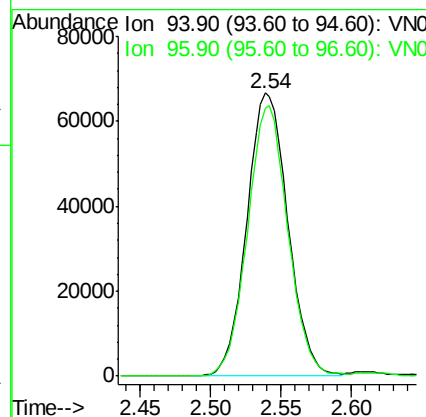
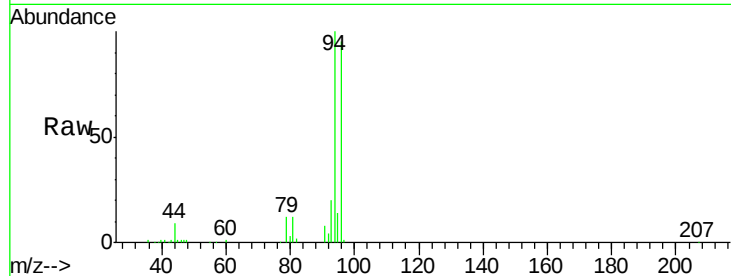
96 94.7 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 18.992 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN053340.D

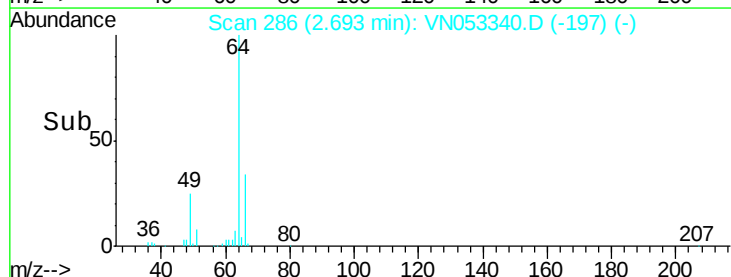
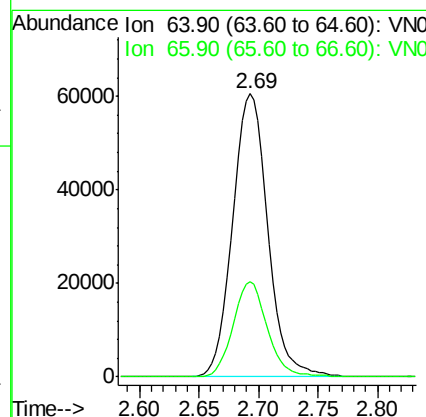
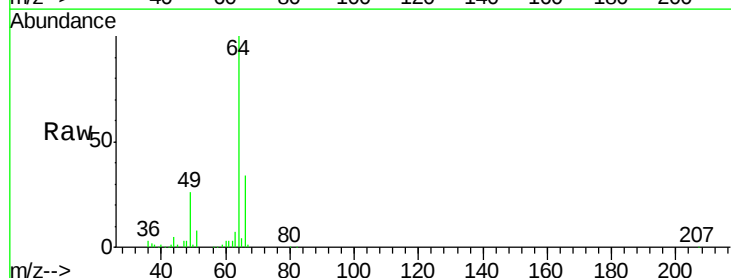
Acq: 10 Jan 2019 14:34

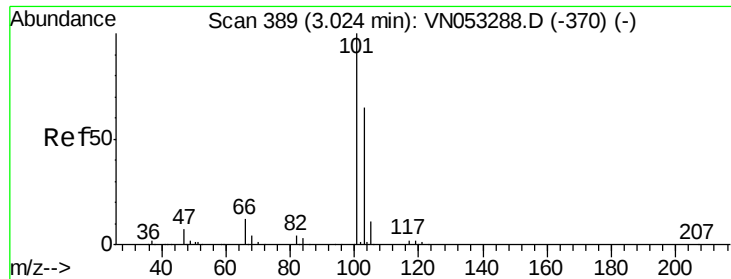
Tgt Ion: 64 Resp: 124194

Ion Ratio Lower Upper

64 100

66 33.7 25.6 38.4





#7

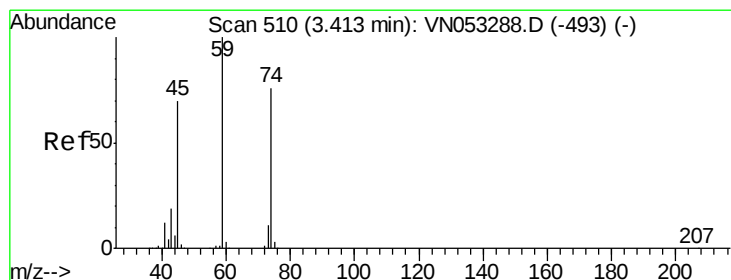
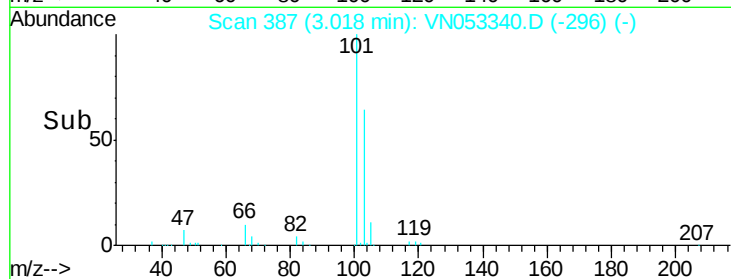
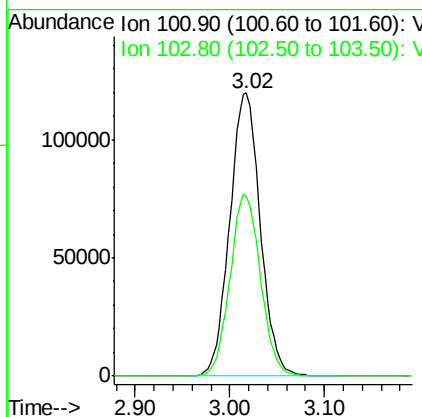
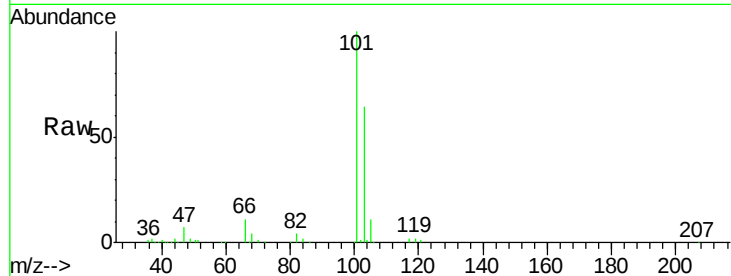
Trichlorofluoromethane
Concen: 19.148 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.1	78.1

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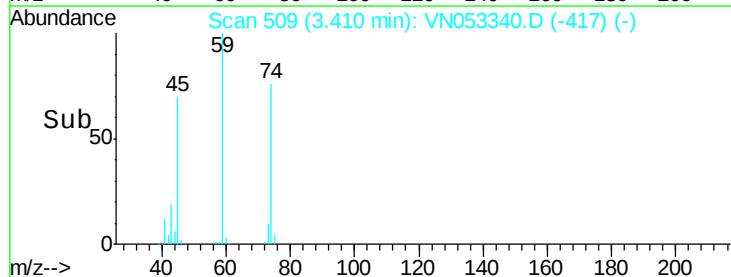
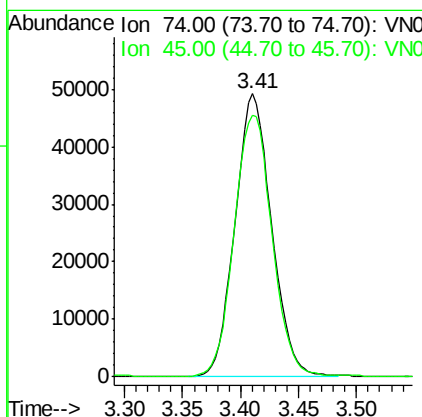
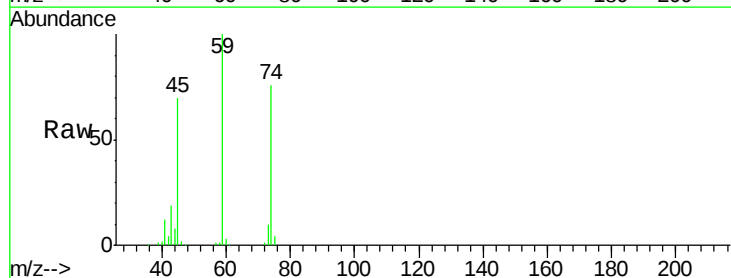
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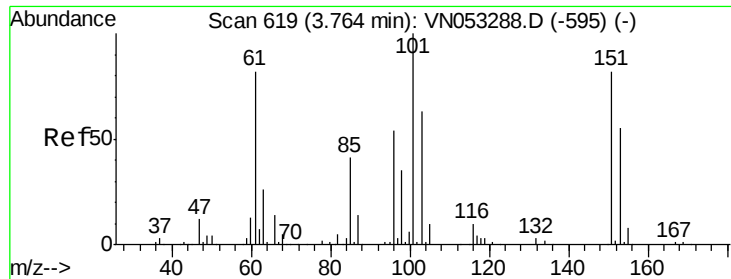


#8

Diethyl Ether
Concen: 19.614 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.215 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

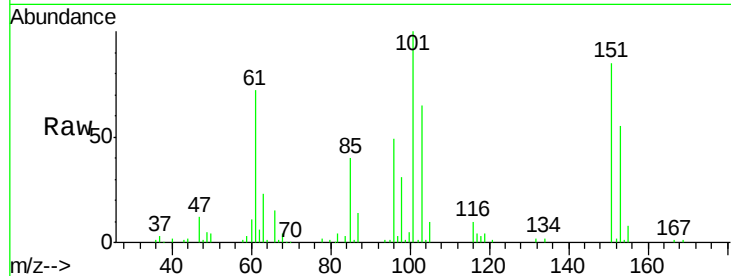
ClientSampleId :

VN0110WBS02

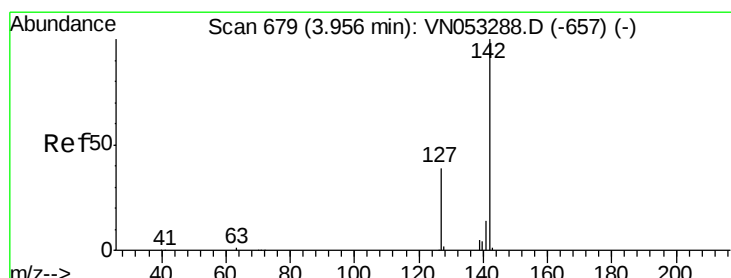
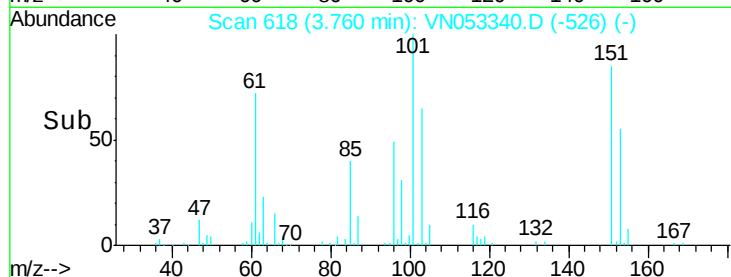
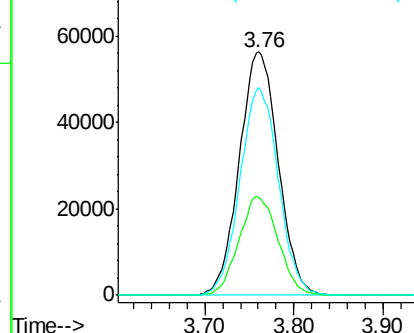
Tot Ion:	101	Resp:	170893
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.3	49.9
151	84.7	67.0	100.4

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



#10

Methyl Iodide

Concen: 18.802 ug/l

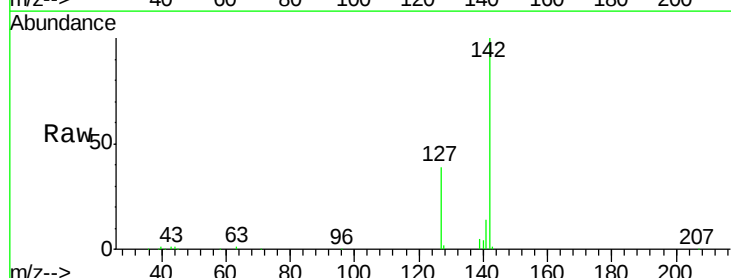
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

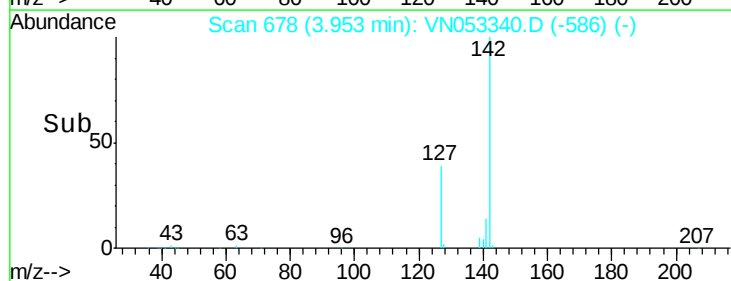
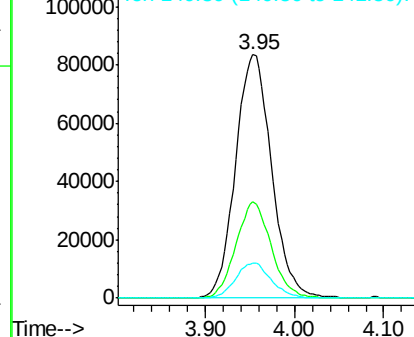
Lab File: VN053340.D

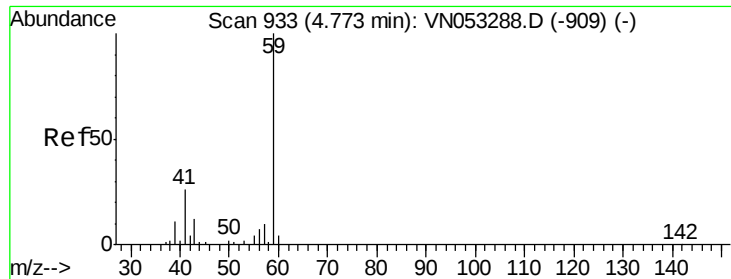
Acq: 10 Jan 2019 14:34

Tgt Ion:	142	Resp:	234401
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.9	46.3
141	14.2	11.2	16.8



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





#11

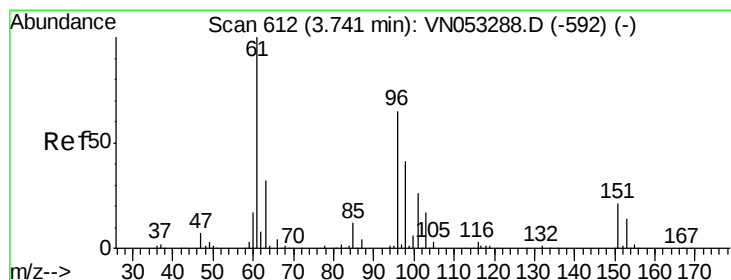
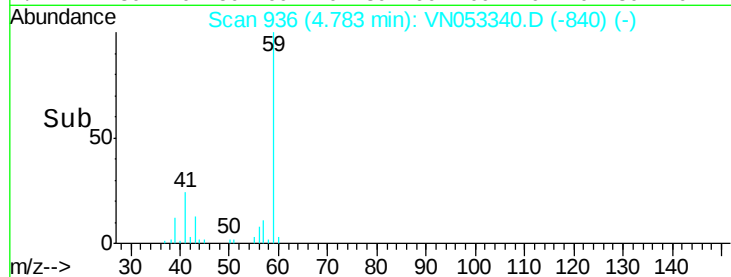
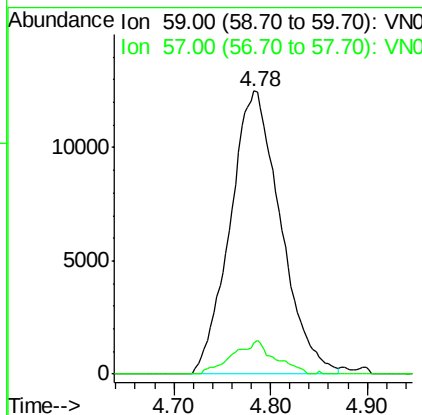
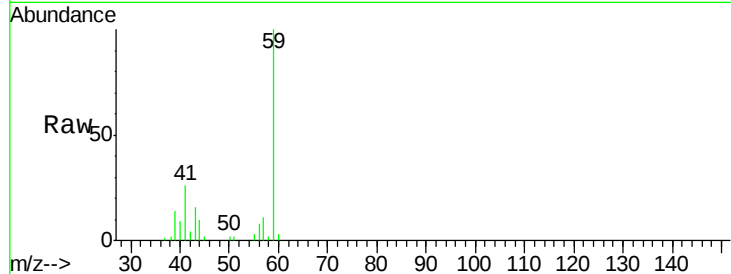
Tert butyl alcohol
 Concen: 78.557 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

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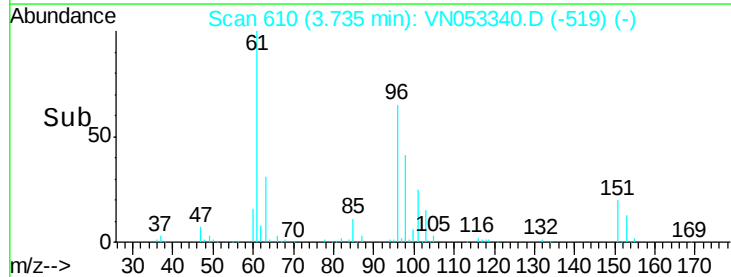
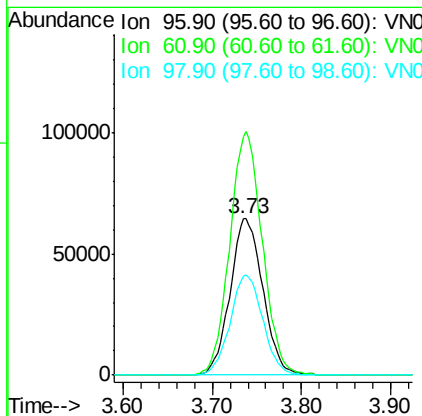
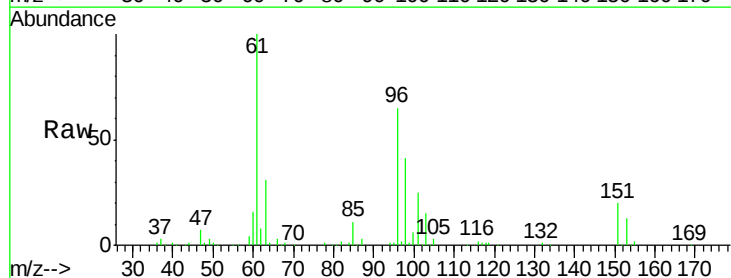
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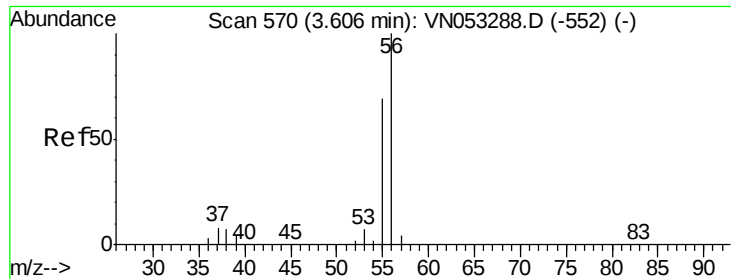


#12

1,1-Dichloroethene
 Concen: 19.099 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.7	123.2	184.8
98	63.2	50.5	75.7





#13

Acrolein

Concen: 85.080 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion: 56 Resp: 61718

Ion Ratio Lower Upper

56 100

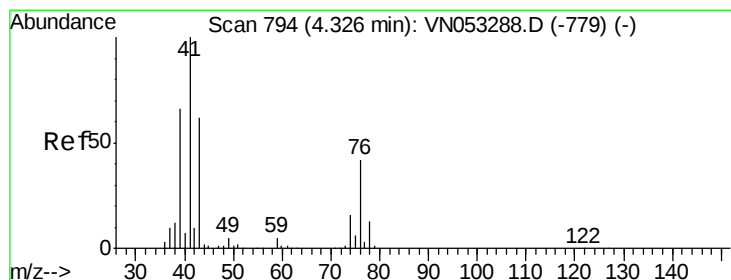
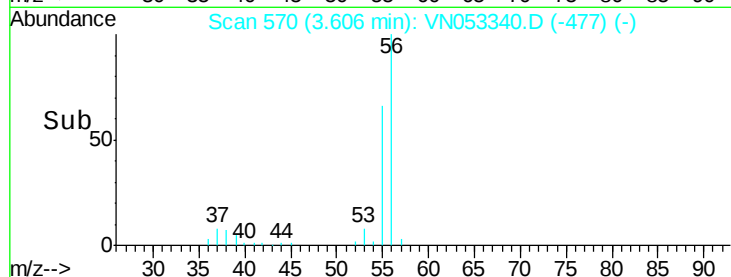
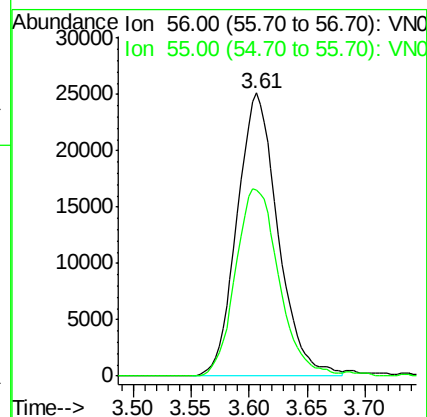
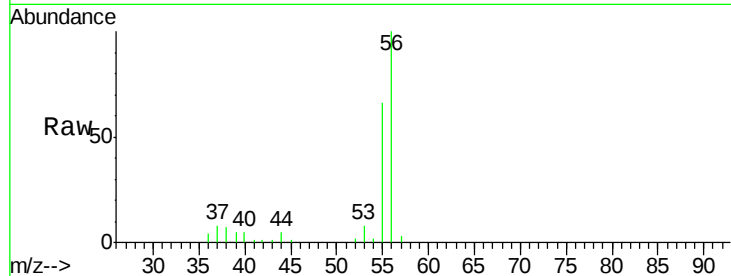
55 70.0 56.3 84.5

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#14

Allyl chloride

Concen: 19.505 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

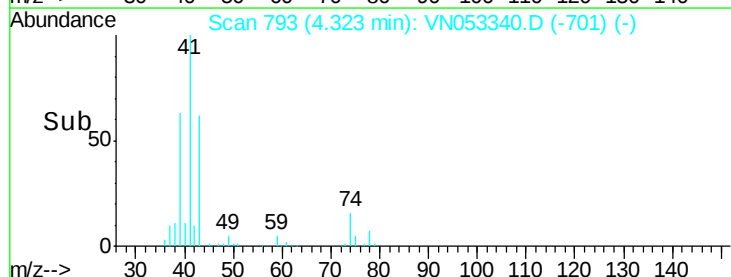
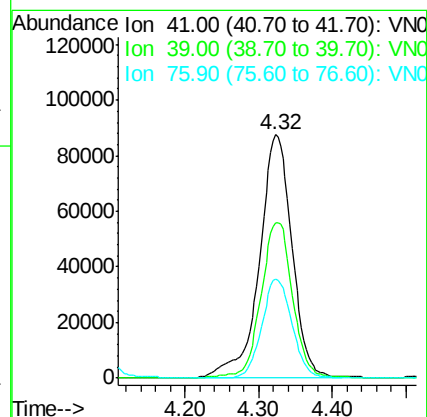
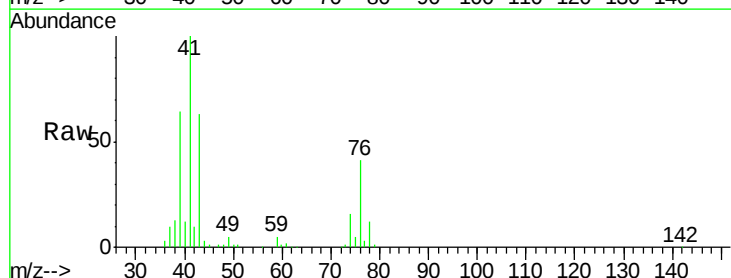
Tgt Ion: 41 Resp: 270445

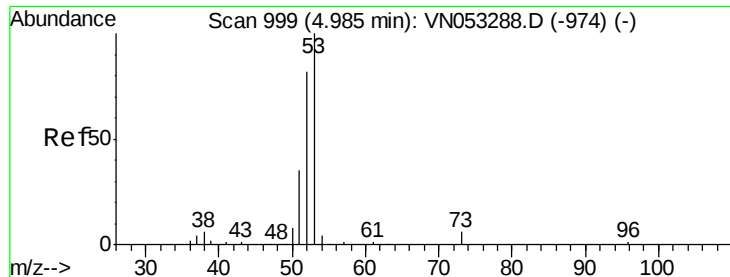
Ion Ratio Lower Upper

41 100

39 62.0 51.9 77.9

76 37.5 31.2 46.8





#15

Acrylonitrile

Concen: 97.942 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

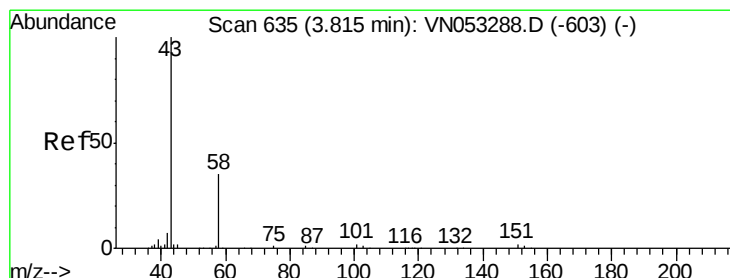
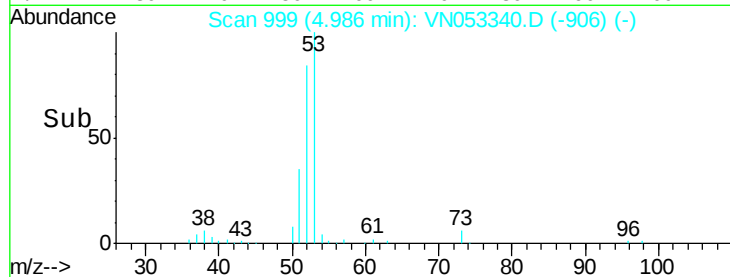
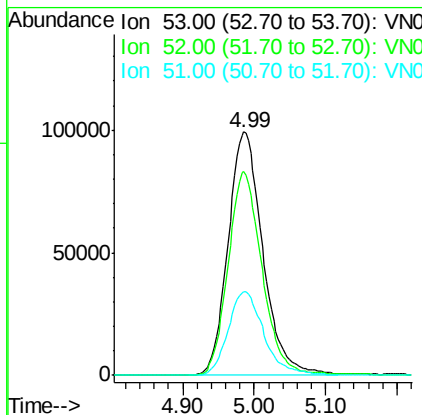
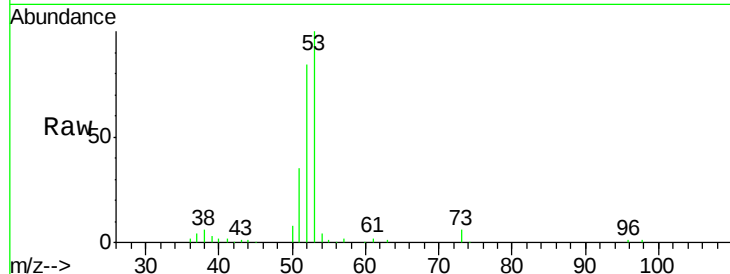
ClientSampleId :

VN0110WBS02

Tot Ion:	53	Resp:	337324
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.2	97.8
51	35.3	28.0	42.0

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#16

Acetone

Concen: 102.283 ug/l

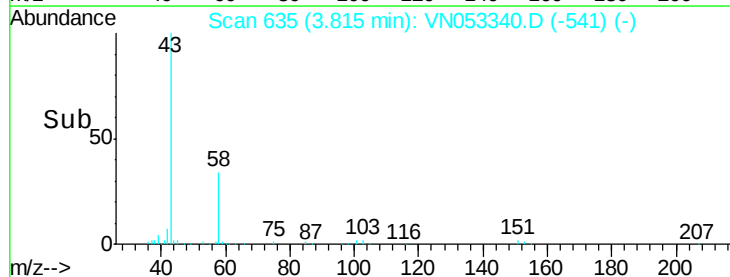
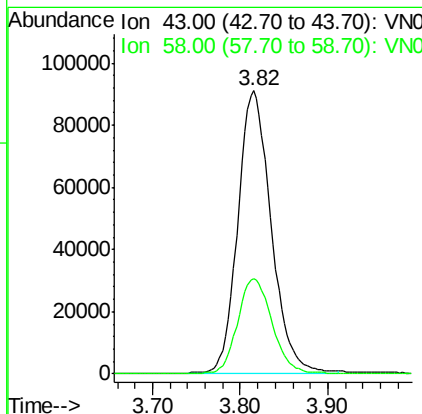
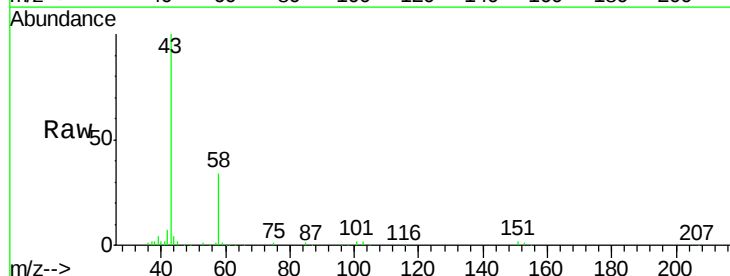
RT: 3.82 min Scan# 635

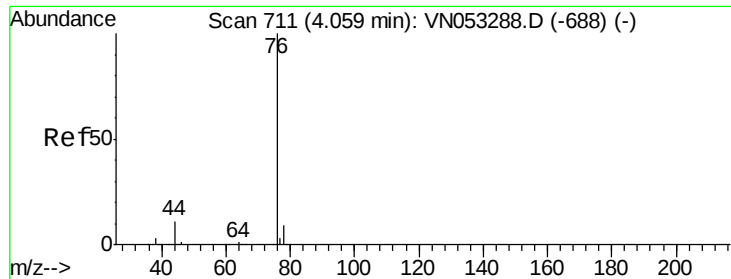
Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion:	43	Resp:	239174
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.8	41.6





#17

Carbon Disulfide

Concen: 17.257 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.01 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion: 76 Resp: 457697

Ion Ratio Lower Upper

76 100

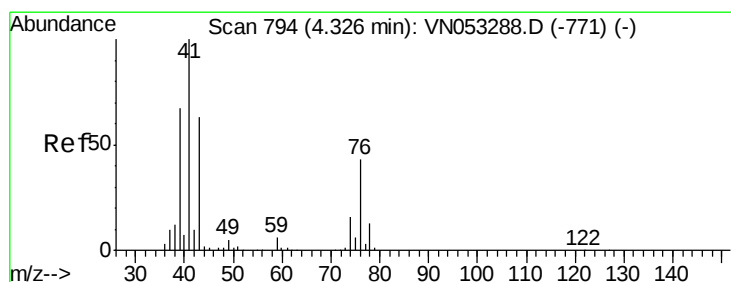
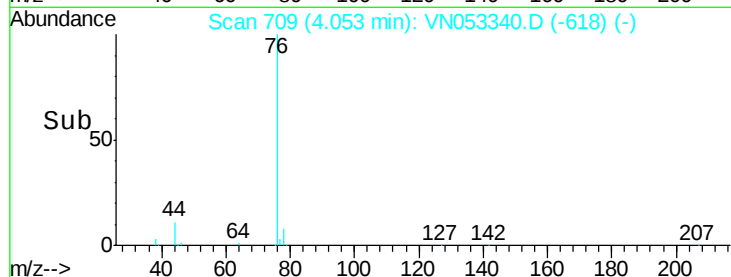
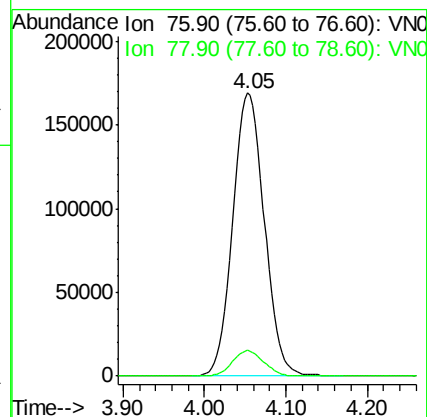
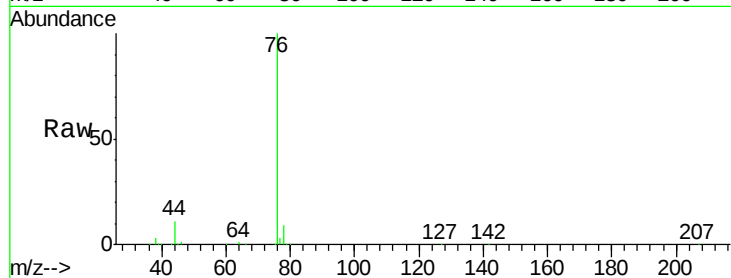
78 9.1 7.2 10.8

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#18

Methyl Acetate

Concen: 18.800 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN053340.D

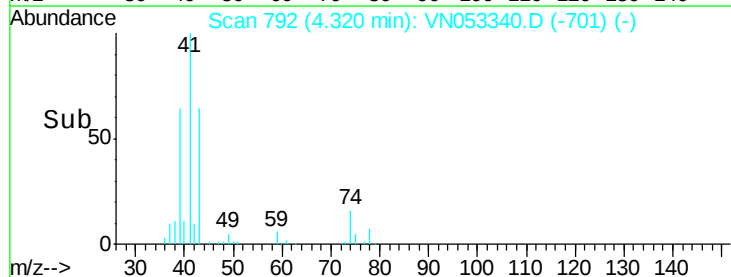
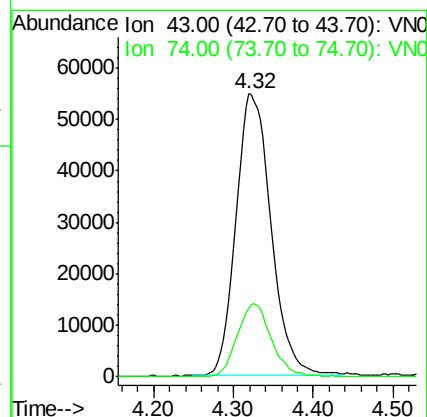
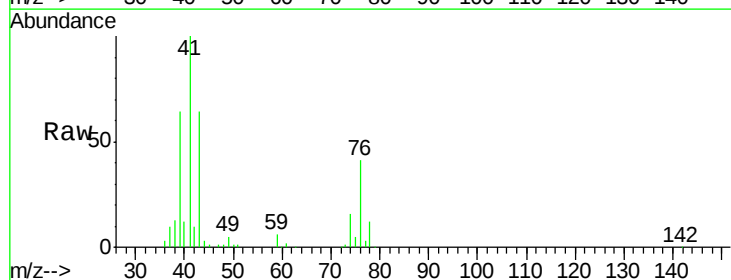
Acq: 10 Jan 2019 14:34

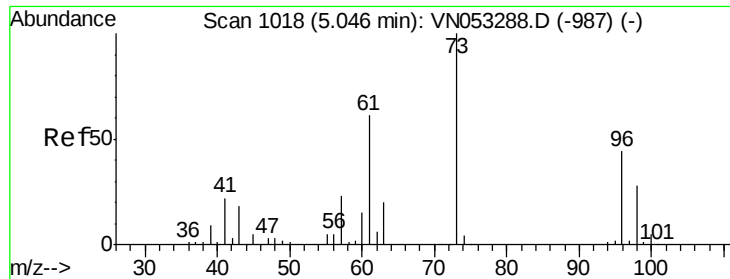
Tgt Ion: 43 Resp: 163206

Ion Ratio Lower Upper

43 100

74 25.2 19.8 29.8





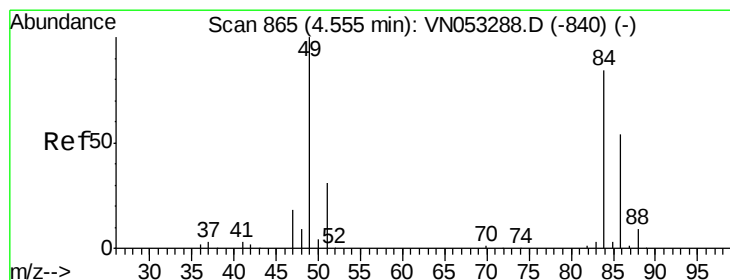
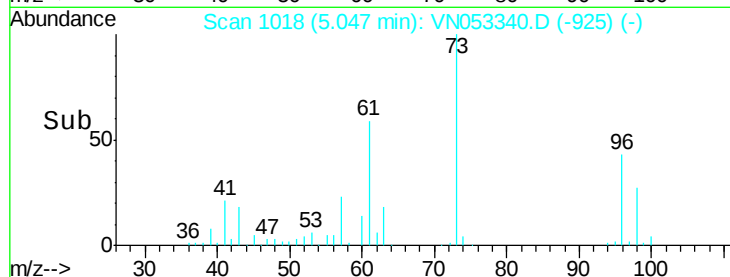
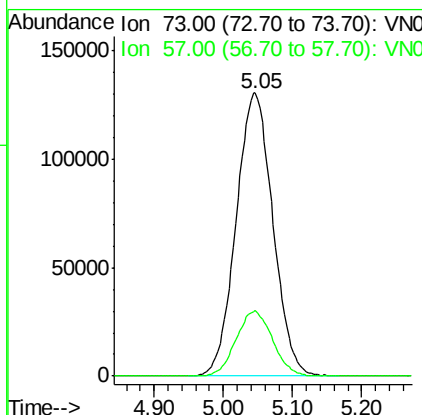
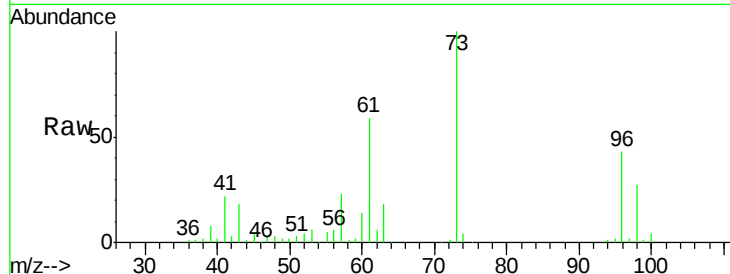
#19
Methvl tert-butvl Ether
Concen: 19.968 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion: 73 Resp: 482103
Ion Ratio Lower Upper
73 100
57 23.2 18.5 27.7

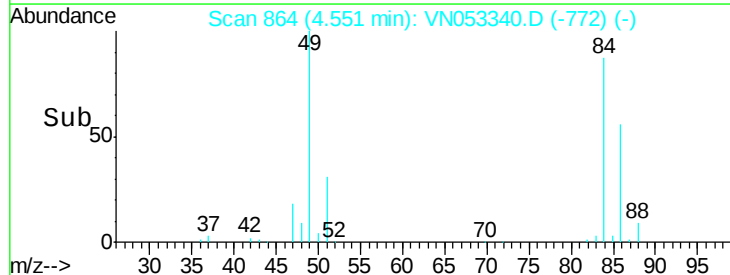
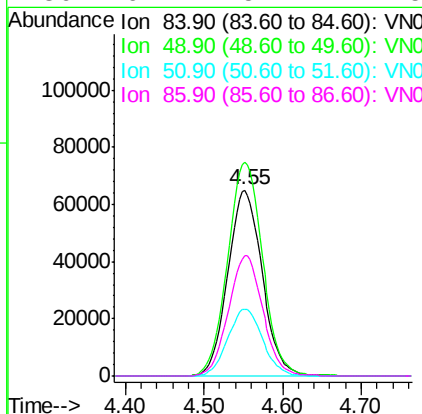
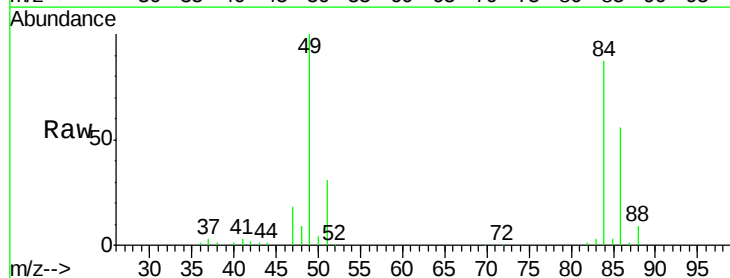
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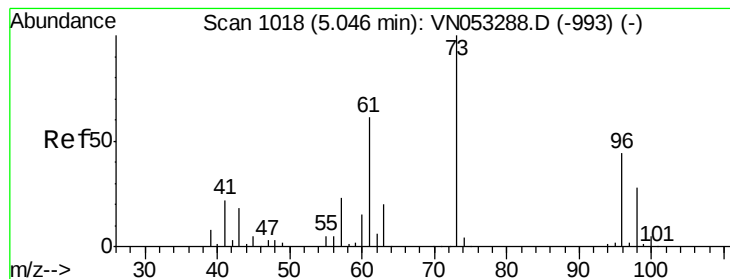
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#20
Methylene Chloride
Concen: 19.199 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion: 84 Resp: 197797
Ion Ratio Lower Upper
84 100
49 115.0 95.3 142.9
51 35.8 29.0 43.6
86 64.7 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 19.313 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion: 96 Resp: 178393

Ion Ratio Lower Upper

96 100

61 135.4 110.2 165.4

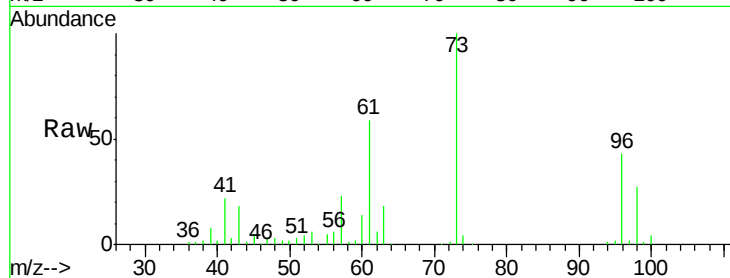
98 61.5 50.7 76.1

Manual Integrations

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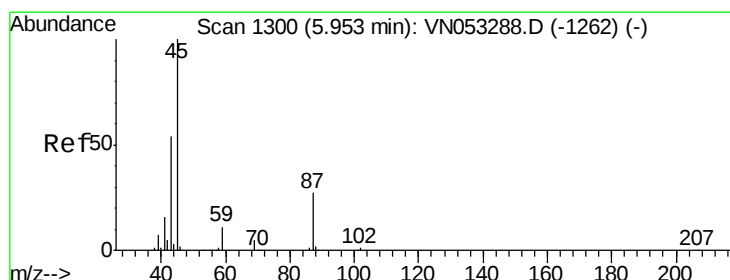
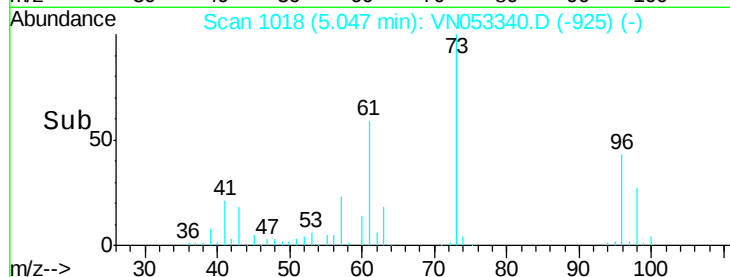
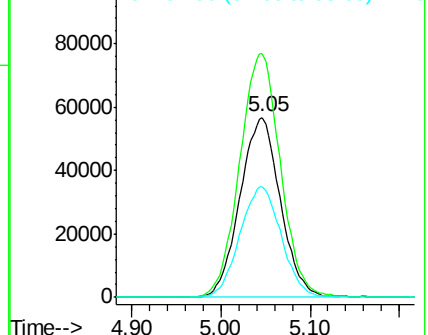


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.994 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion: 45 Resp: 597218

Ion Ratio Lower Upper

45 100

43 54.6 43.0 64.6

87 28.8 22.1 33.1

59 11.5 9.0 13.4

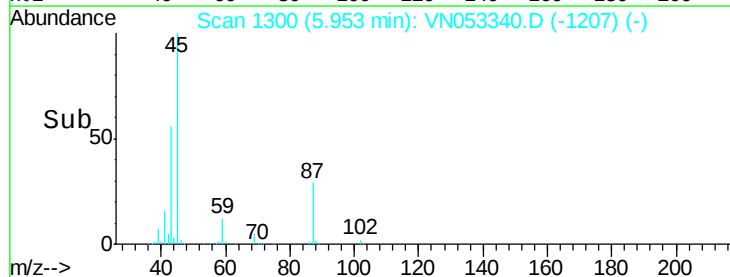
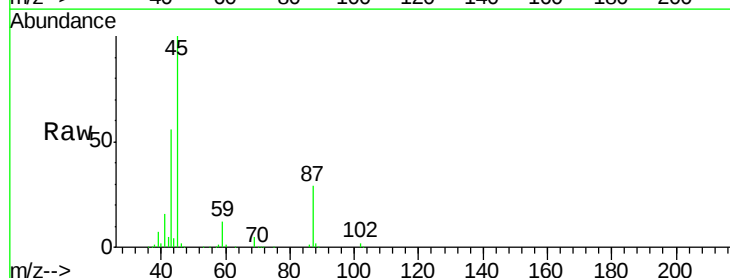
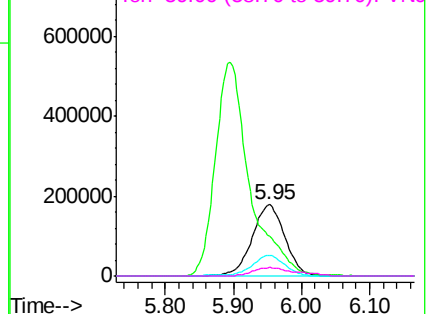
Abundance

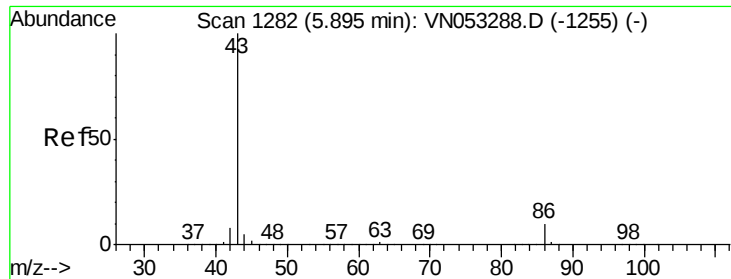
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





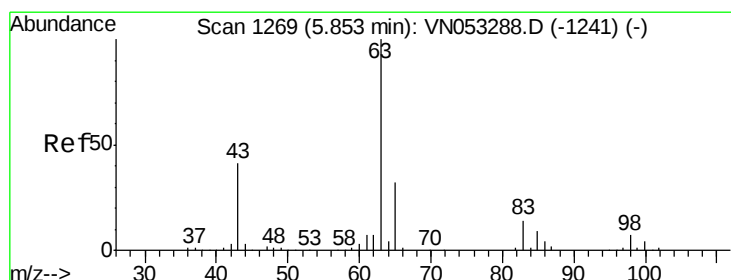
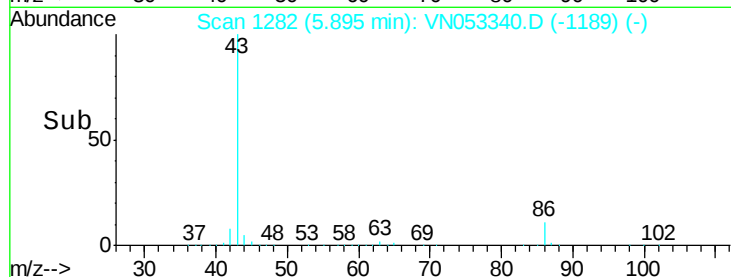
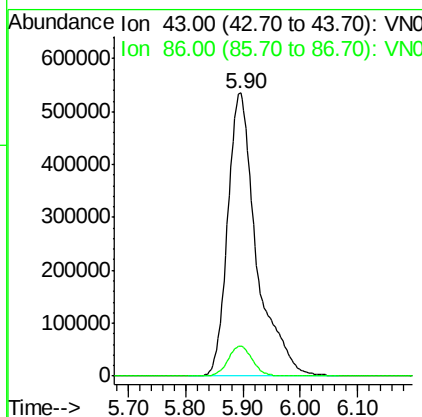
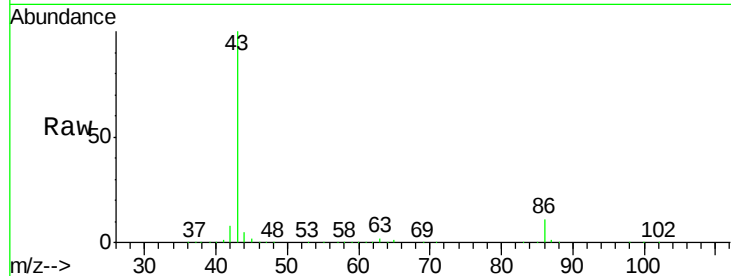
#23
 Vinyl Acetate
 Concen: 99.609 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion: 43 Resp: 1872121
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6

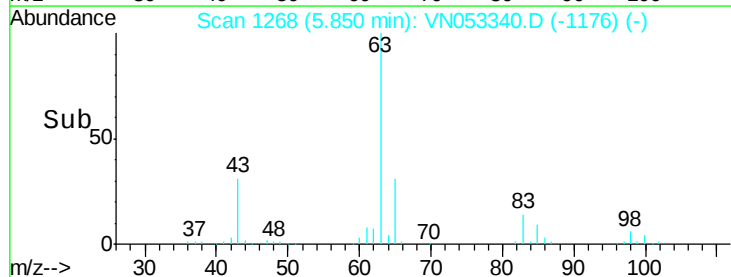
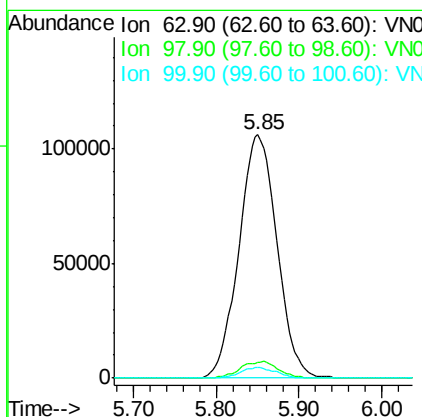
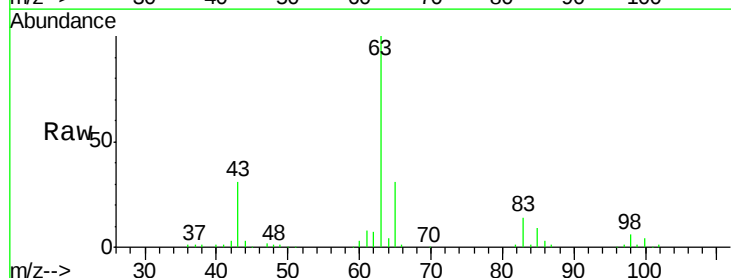
Manual Integrations
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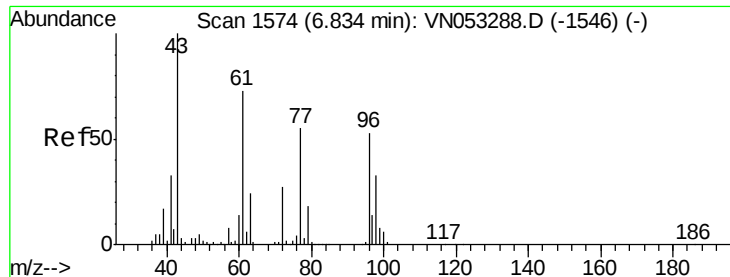
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.685 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion: 63 Resp: 339124
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.3 9.8
 100 4.3 2.1 6.5





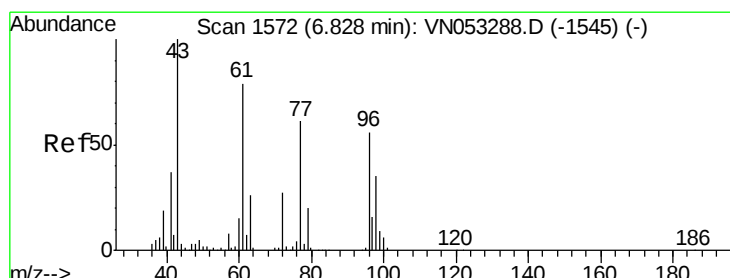
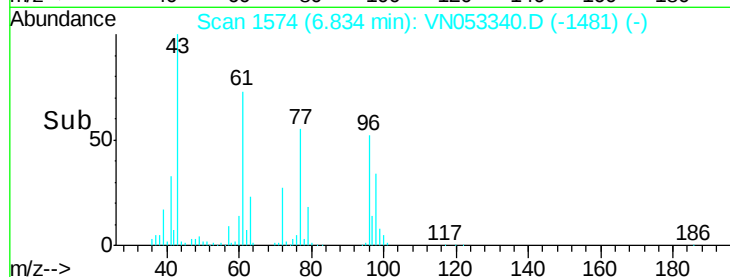
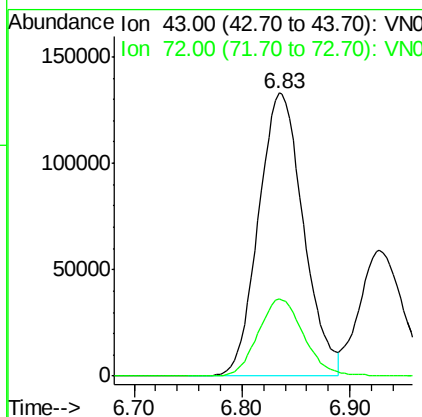
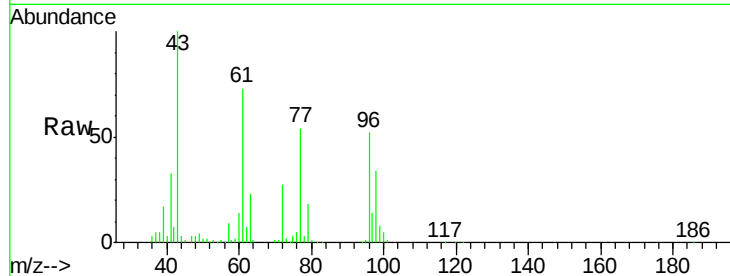
#25
2-Butanone
Concen: 97.154 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion: 43 Resp: 382328
Ion Ratio Lower Upper
43 100
72 27.3 22.0 33.0

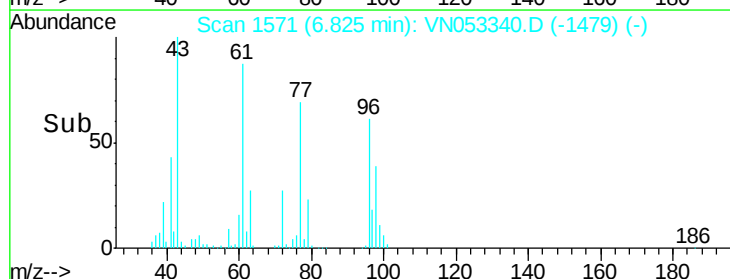
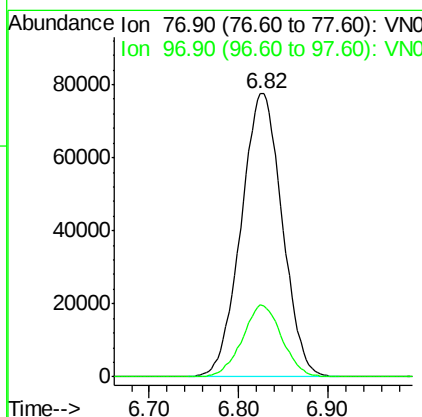
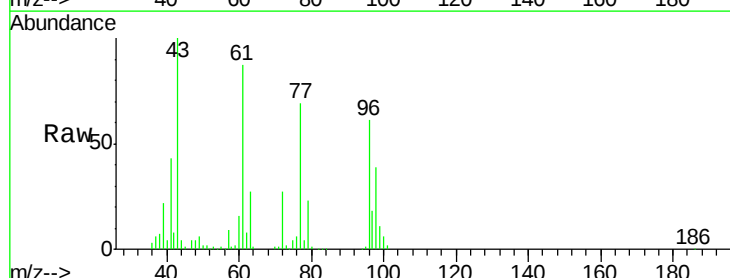
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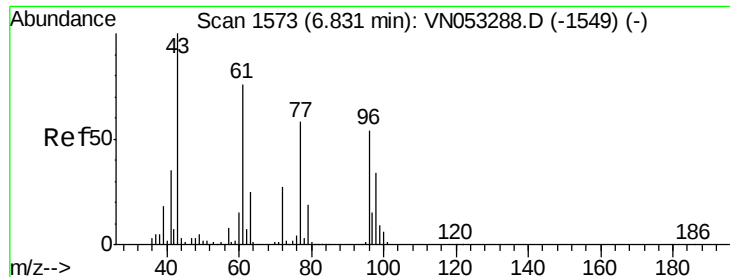
MMDadoda
1/11/2019 10:11:56 AM



#26
2,2-Dichloropropane
Concen: 19.739 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion: 77 Resp: 248583
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





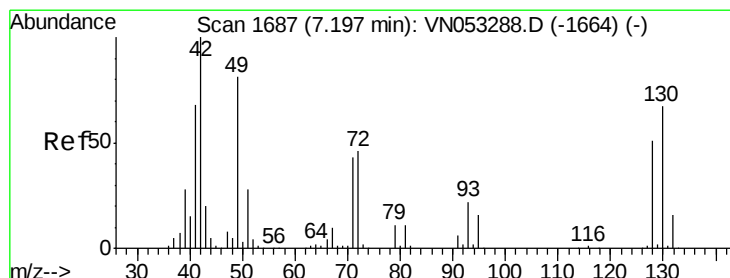
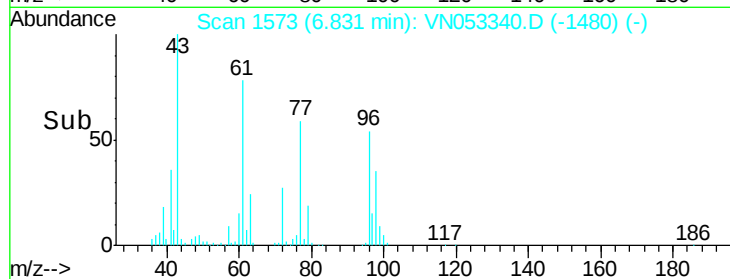
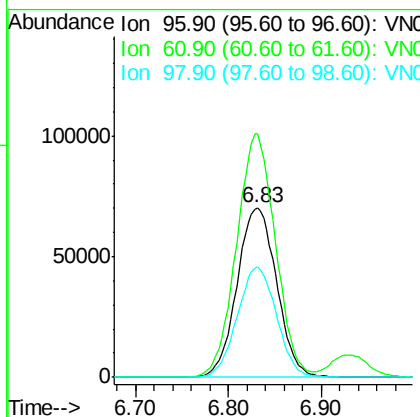
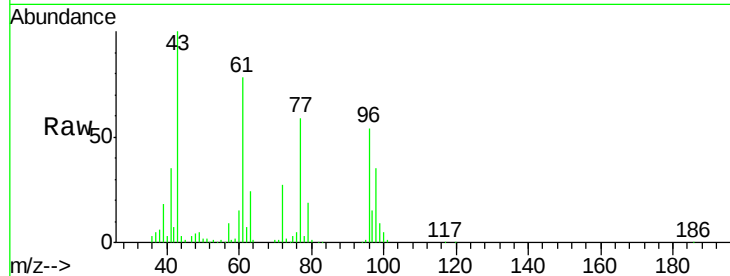
#27
 cis-1,2-Dichloroethene
 Concen: 19.725 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	208062		
61	140.9	0.0	280.6	
98	64.5	0.0	127.6	

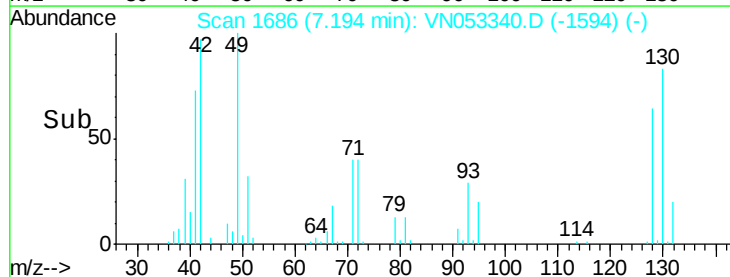
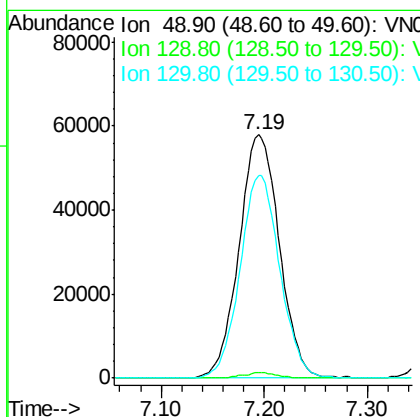
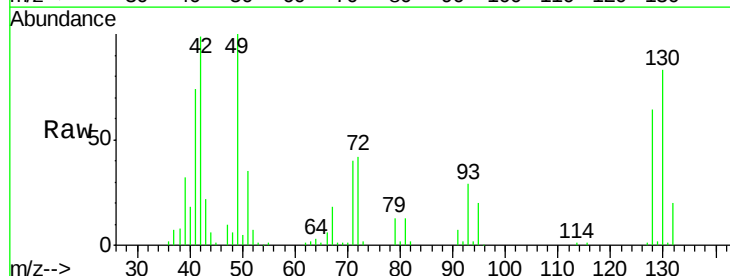
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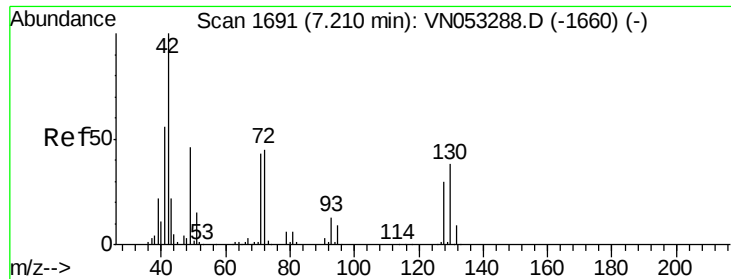
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#28
 Bromochloromethane
 Concen: 21.419 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	157242		
129	1.9	0.0	3.8	
130	82.2	65.4	98.0	





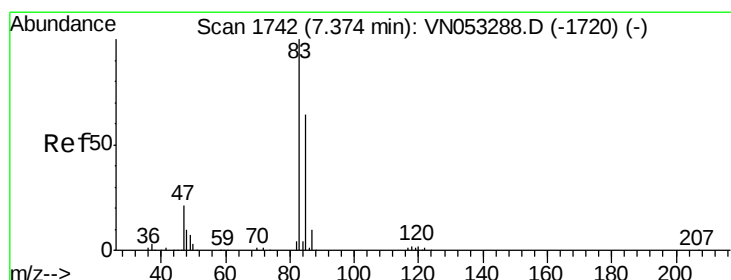
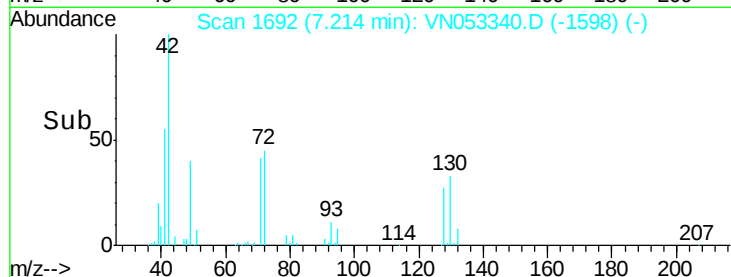
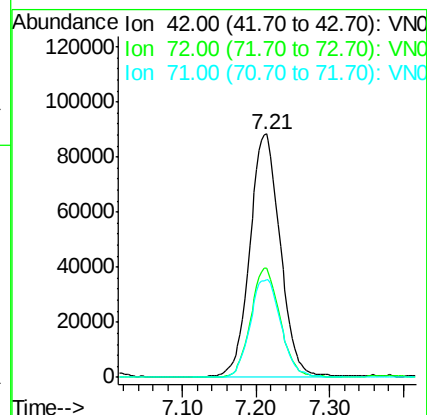
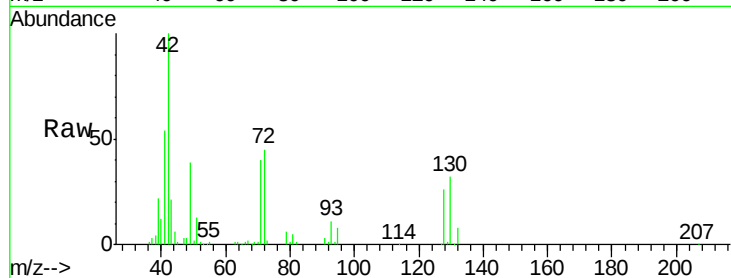
#29
Tetrahydrofuran
Concen: 98.192 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampled :
VN0110WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	35.6	53.4
71	40.5	33.8	50.8

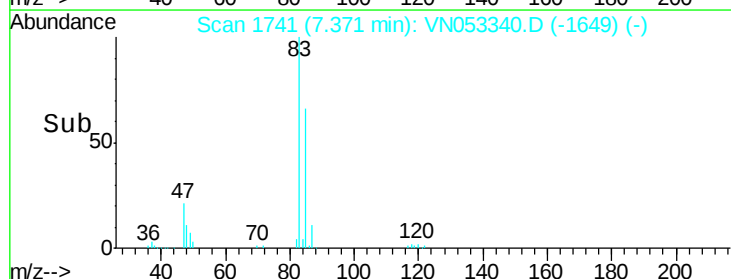
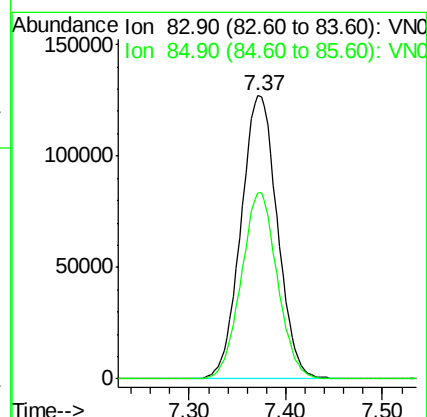
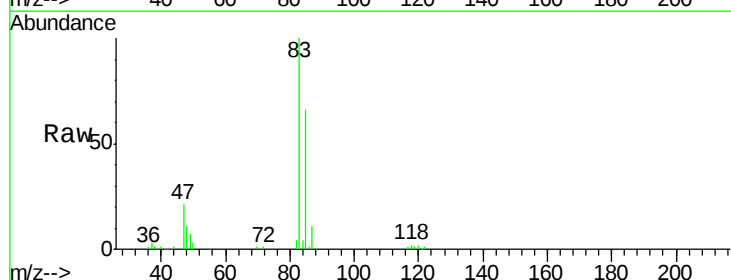
Manual Integrations
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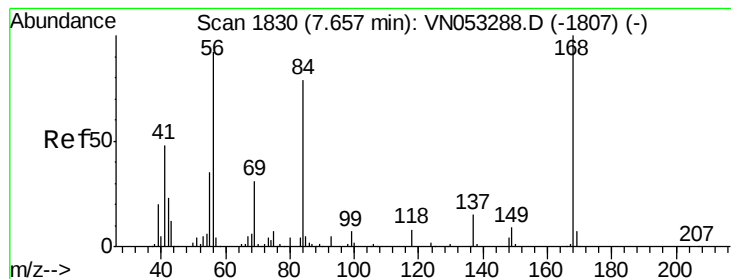
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#30
Chloroform
Concen: 19.642 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.3	76.9





#31

Cyclohexane

Concen: 19.530 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampled :

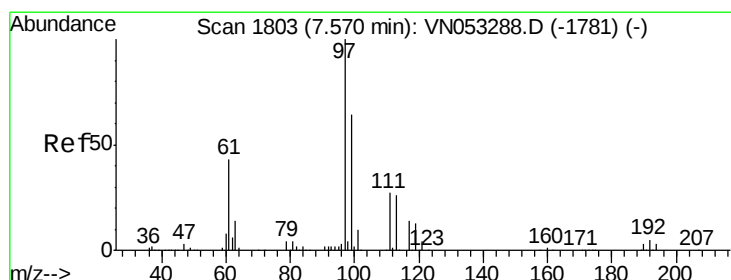
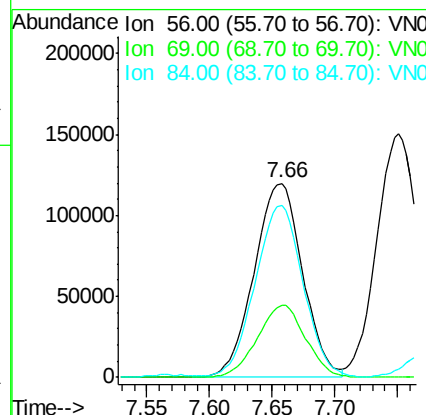
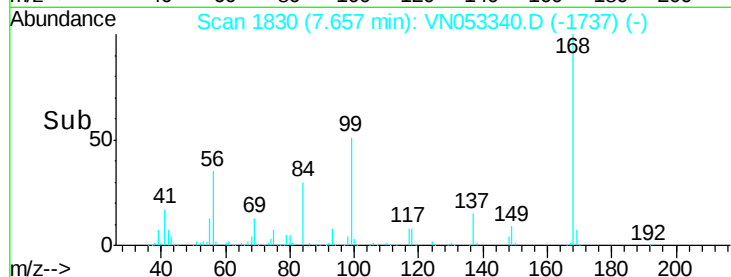
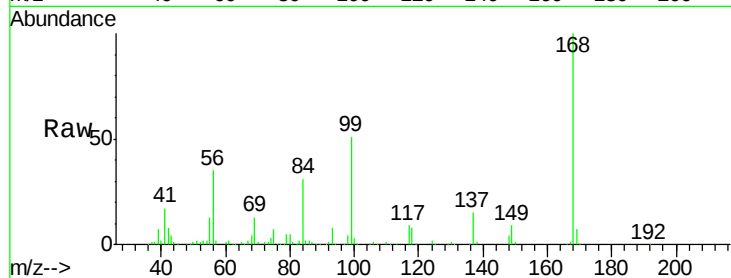
VN0110WBS02

Tot Ion: 56 Resp: 321667

Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.7	40.1
84	87.9	68.2	102.4

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#32

1,1,1-Trichloroethane

Concen: 19.590 ug/l

RT: 7.57 min Scan# 1803

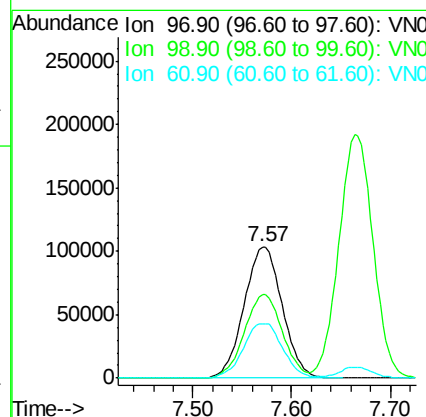
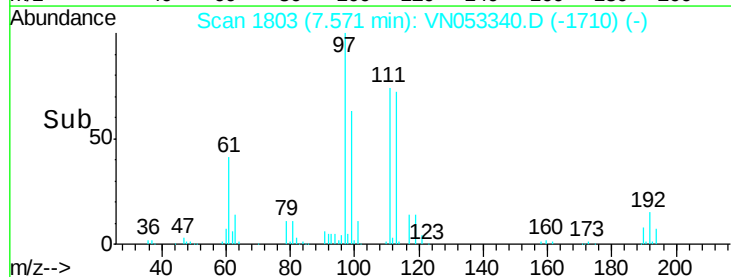
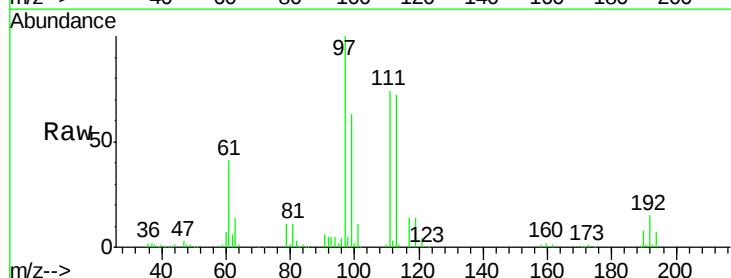
Delta R.T. 0.00 min

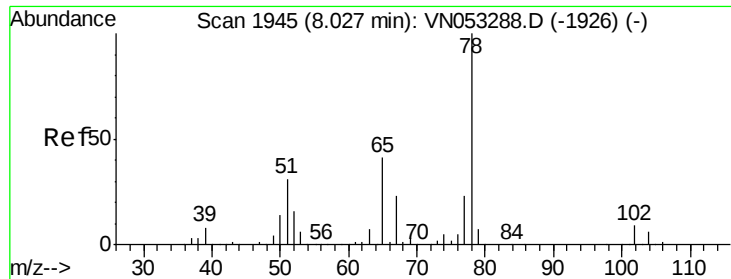
Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion: 97 Resp: 276810

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	42.6	34.6	52.0





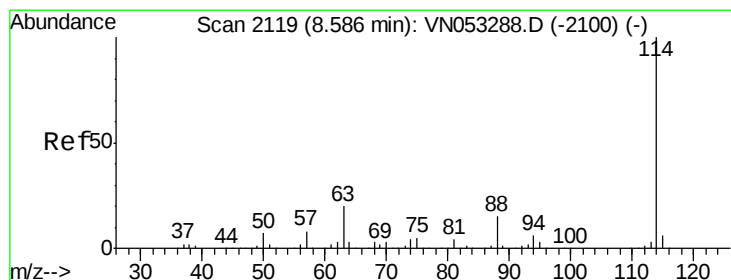
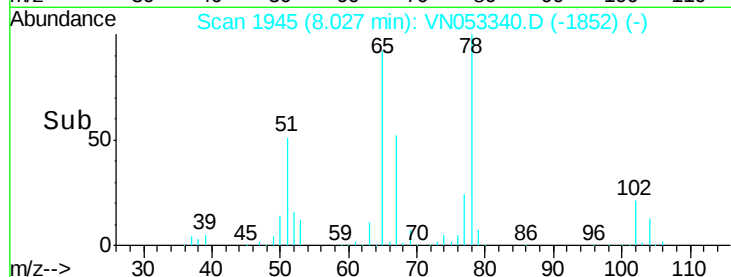
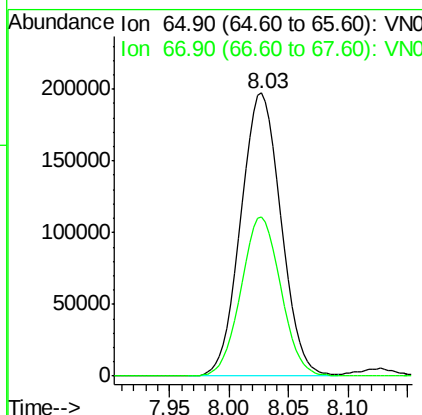
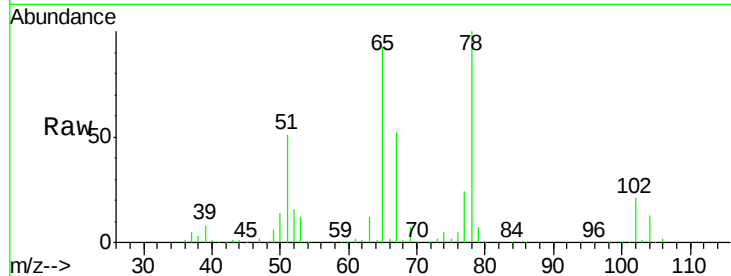
#33
 1,2-Dichloroethane-d4
 Concen: 19.590 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion: 65 Resp: 463383
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.0

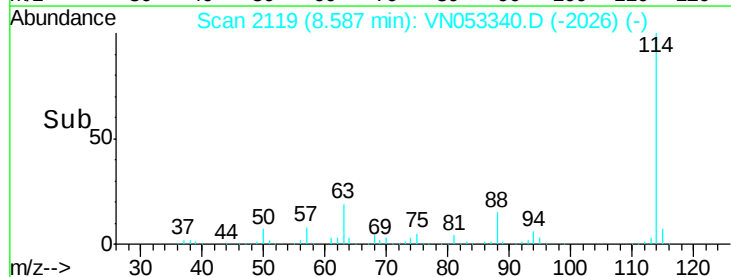
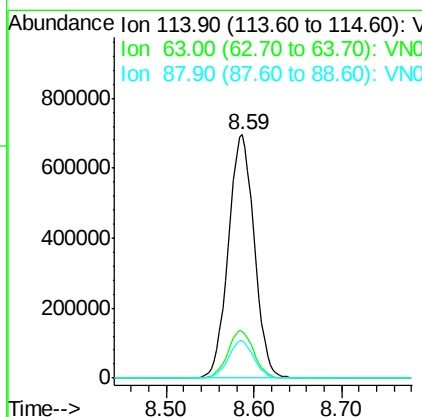
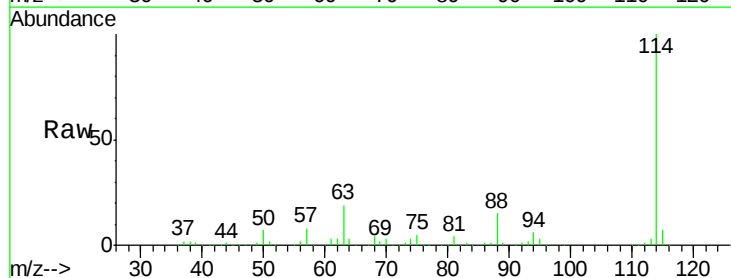
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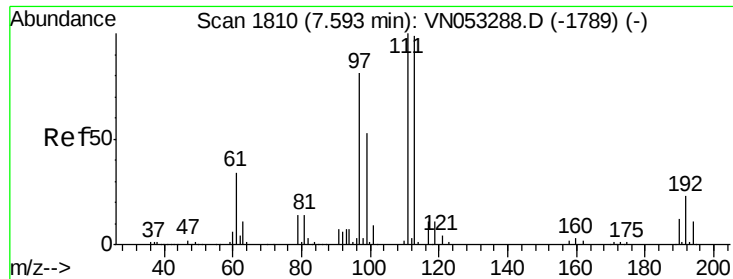
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion: 114 Resp: 1429126
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.4 0.0 30.8





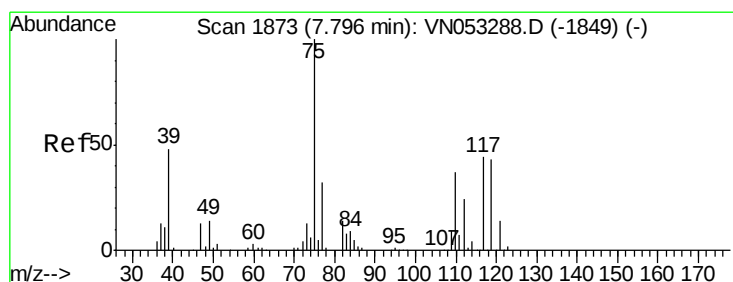
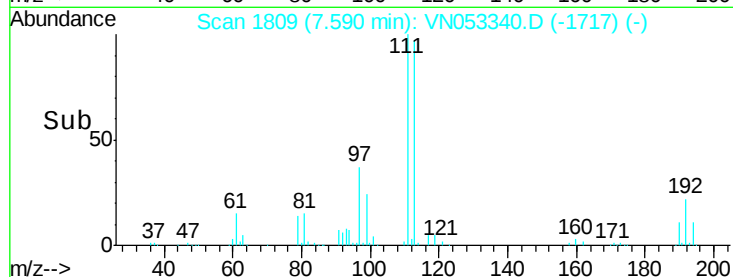
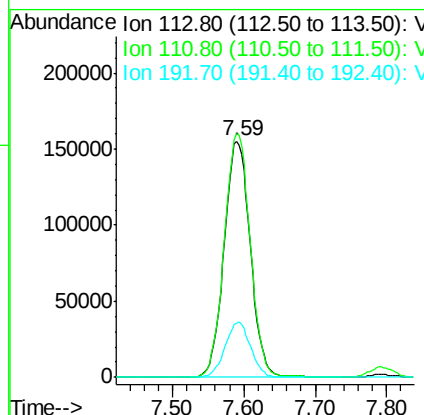
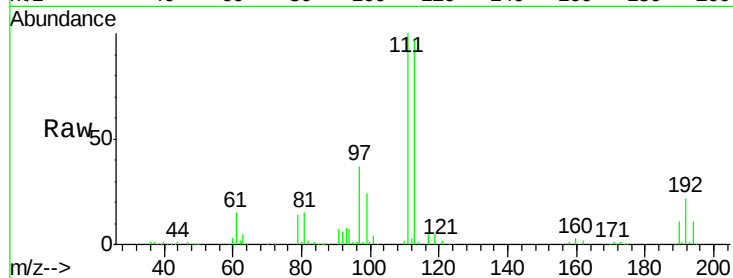
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	396711		
111	101.9	81.4	122.2	
192	22.7	17.9	26.9	

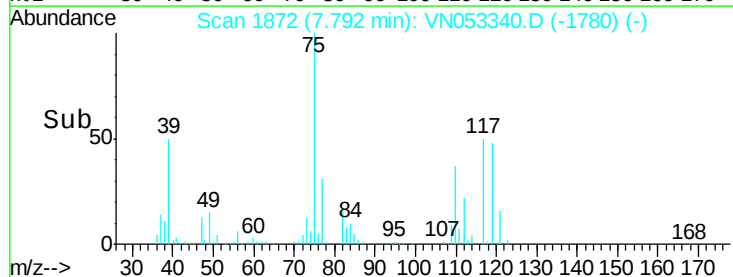
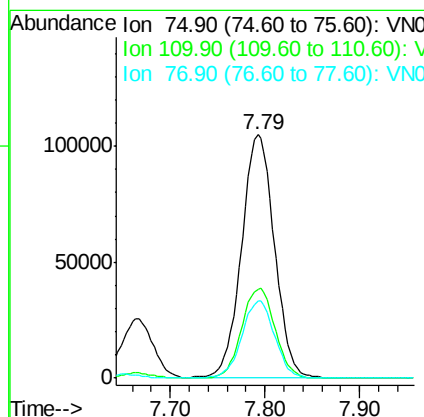
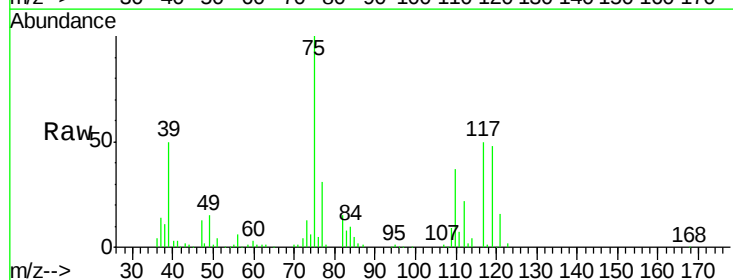
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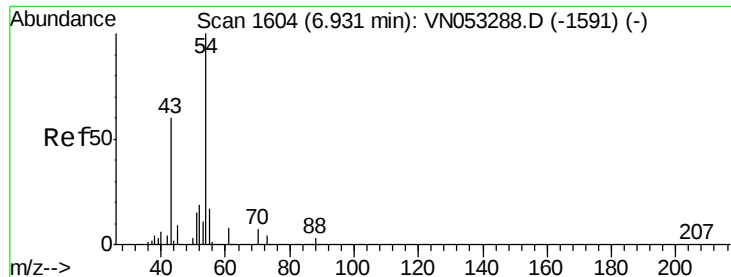
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#36
 1,1-Dichloropropene
 Concen: 18.949 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	252820		
110	37.3	18.4	55.0	
77	31.8	25.3	37.9	





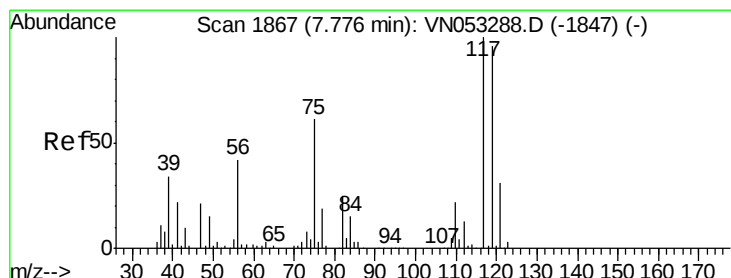
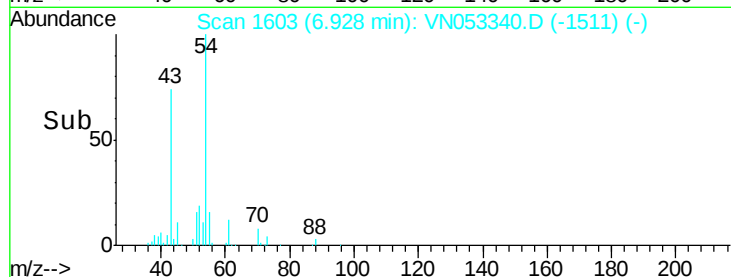
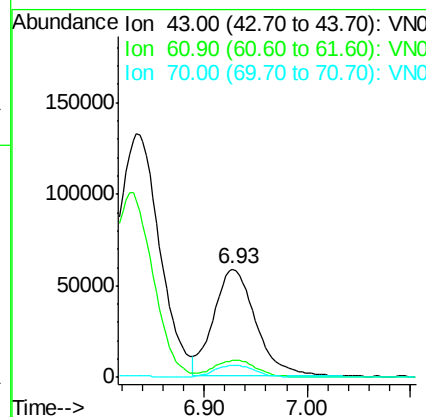
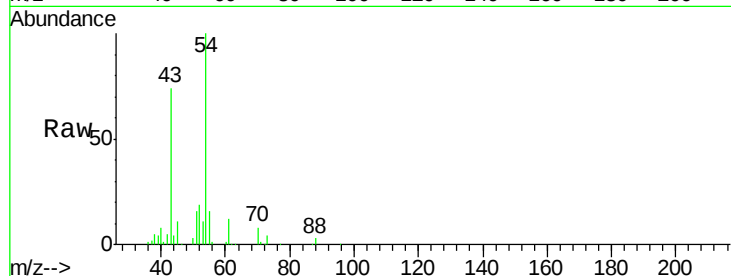
#37
Ethyl Acetate
Concen: 19.135 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.9	17.9
70	11.3	8.6	13.0

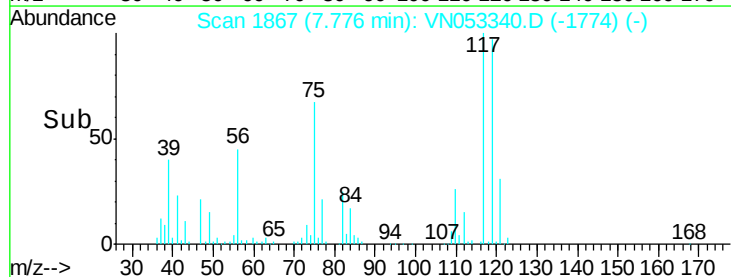
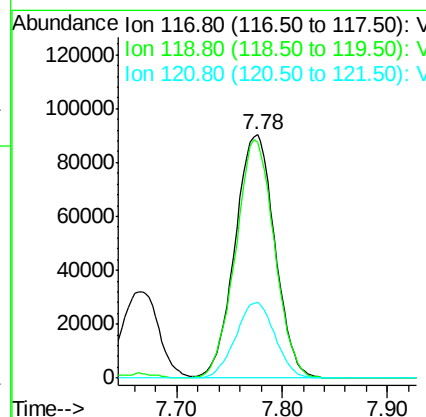
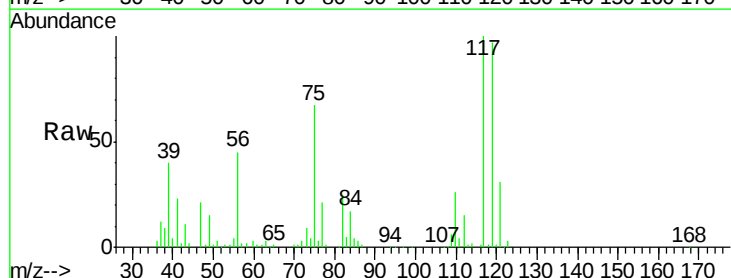
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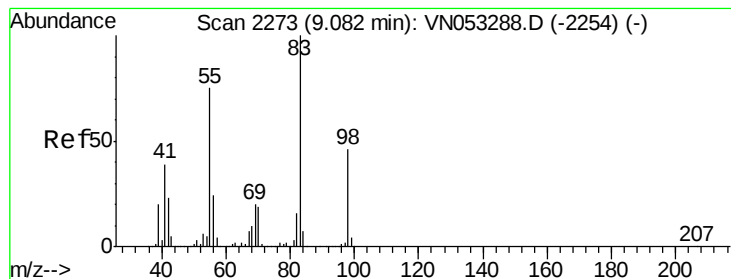
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#38
Carbon Tetrachloride
Concen: 19.264 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	115.0
121	31.1	25.0	37.4





#39

Methvlcvclohexane

Concen: 20.322 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

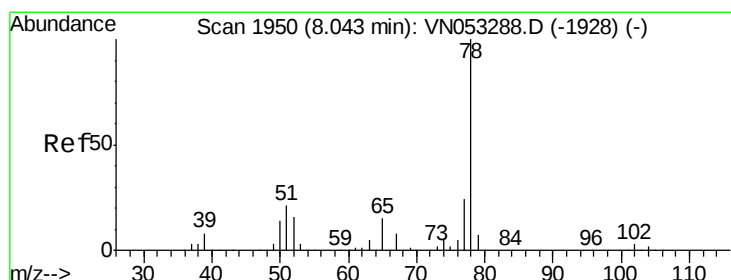
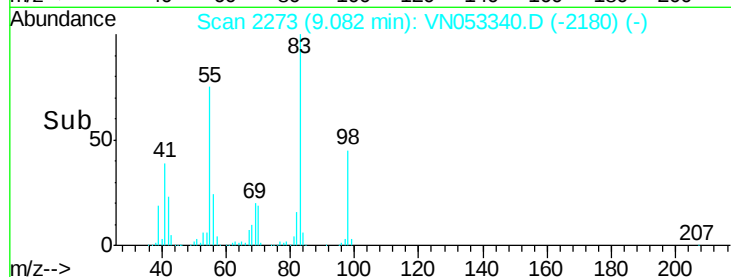
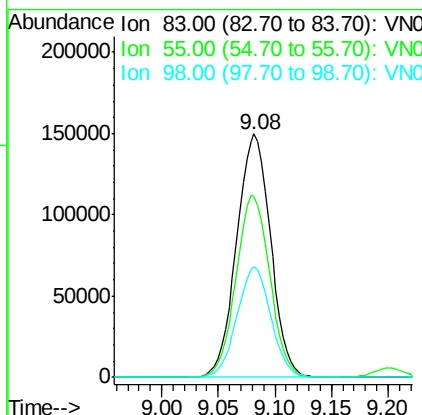
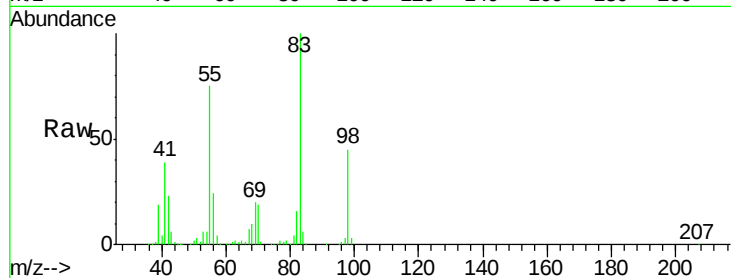
ClientSampleId :

VN0110WBS02

Tot Ion:	83	Resp:	314105
Ion Ratio	Lower	Upper	
83	100		
55	74.5	60.1	90.1
98	45.4	36.7	55.1

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#40

Benzene

Concen: 19.474 ug/l

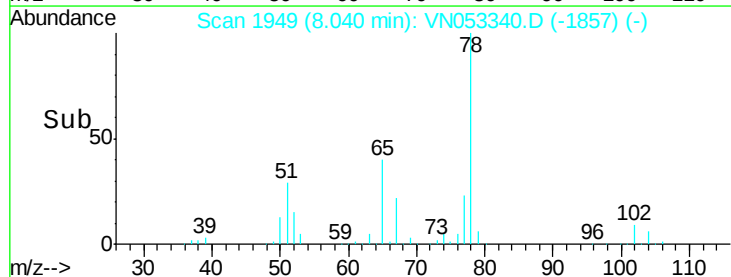
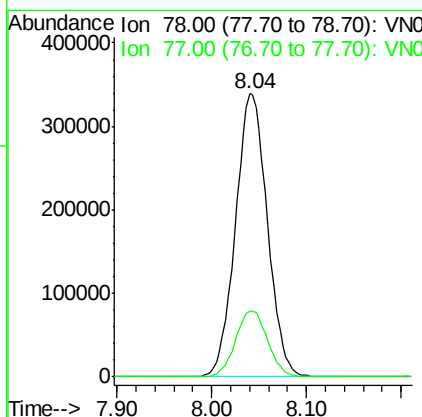
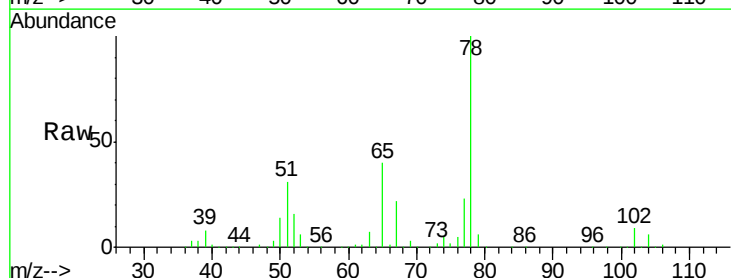
RT: 8.04 min Scan# 1949

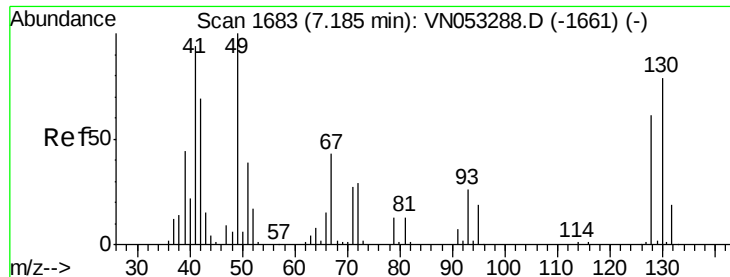
Delta R.T. -0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion:	78	Resp:	793649
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.0	28.4





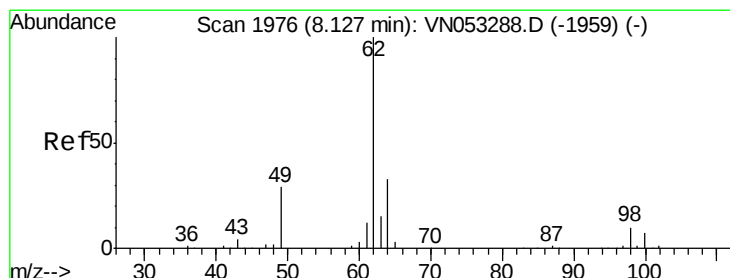
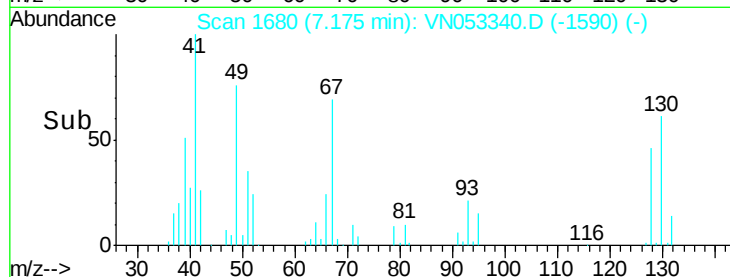
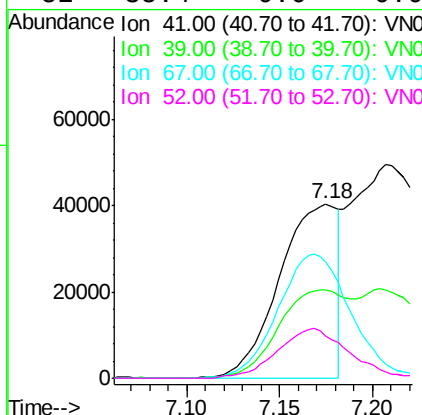
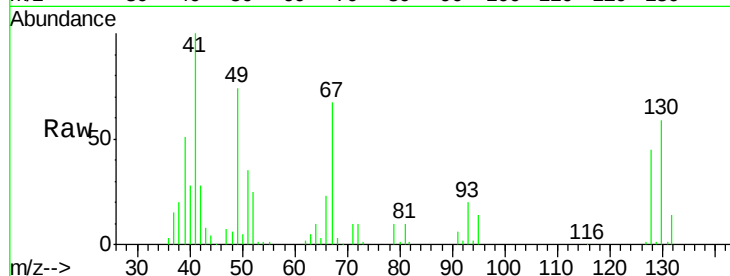
#41
Methacrylonitrile
Concen: 16.329 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.3	0.0	0.0#
67	89.5	0.0	0.0#
52	35.4	0.0	0.0#

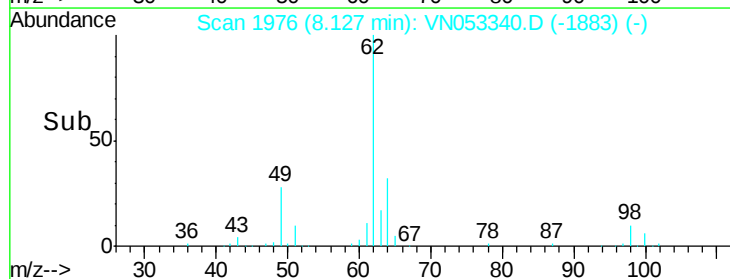
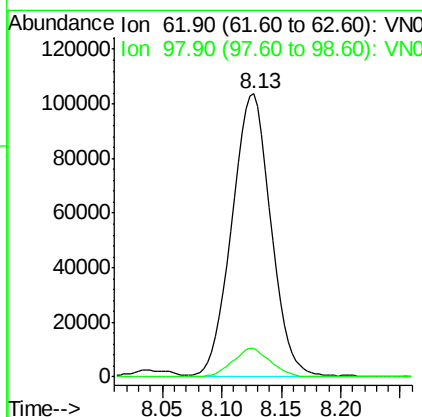
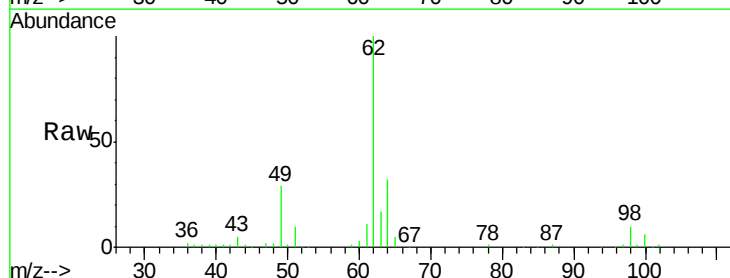
Manual Integrations
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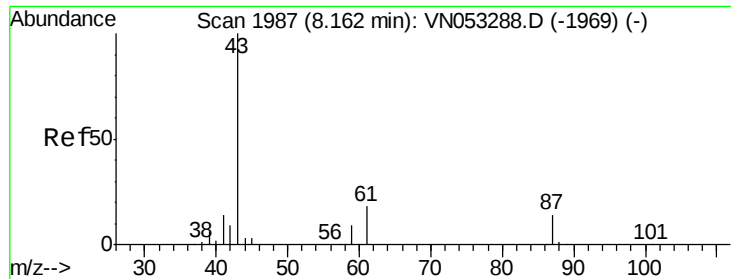
MMDadoda
1/11/2019 10:11:56 AM



#42
1,2-Dichloroethane
Concen: 19.371 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

Isopropyl Acetate

Concen: 18.275 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

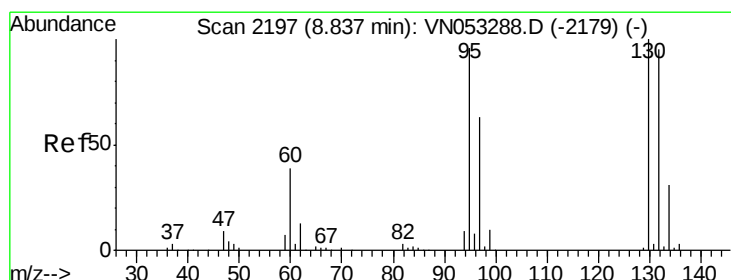
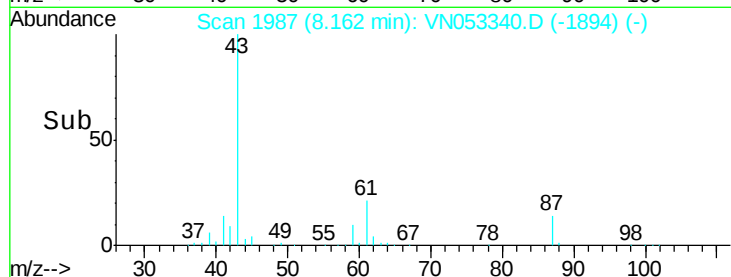
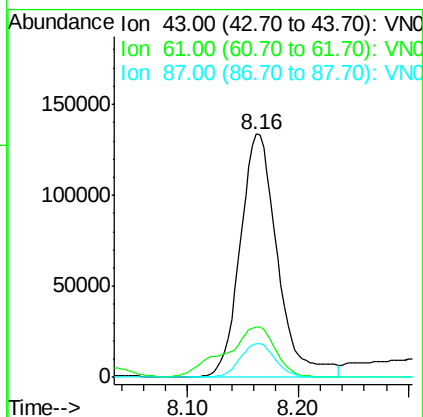
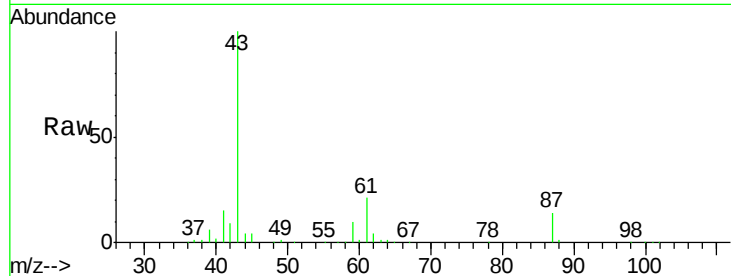
ClientSampleId :

VN0110WBS02

Tot Ion:	43	Resp:	312431
Ion	Ratio	Lower	Upper
43	100		
61	27.7	23.3	34.9
87	13.1	10.8	16.2

Manual Integrations
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1/11/2019 10:11:56 AM



#44

Trichloroethene

Concen: 19.103 ug/l

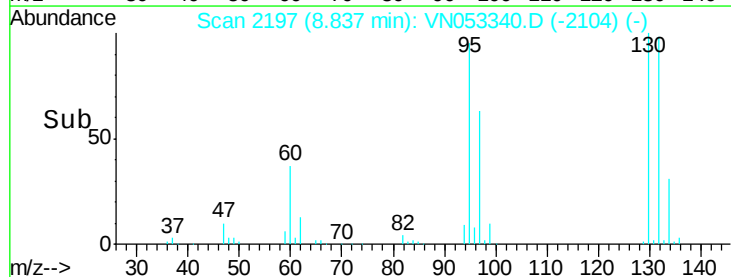
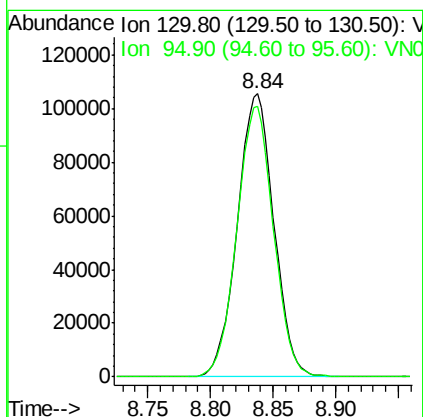
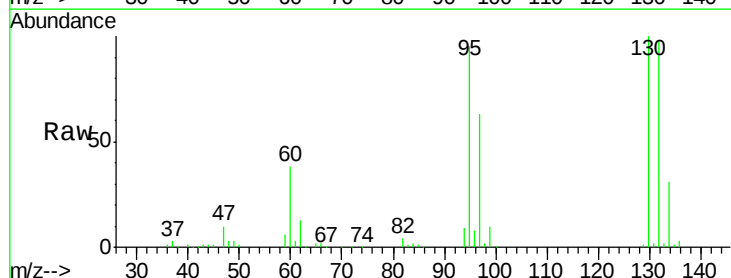
RT: 8.84 min Scan# 2197

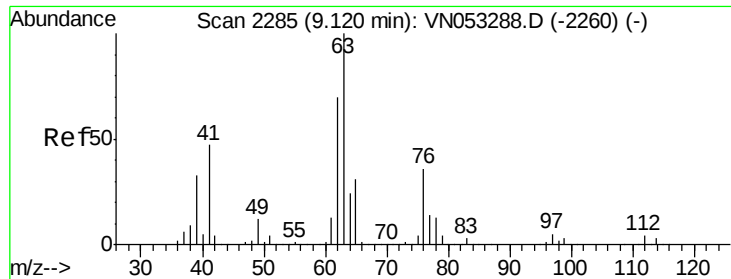
Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion:	130	Resp:	213770
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	191.8





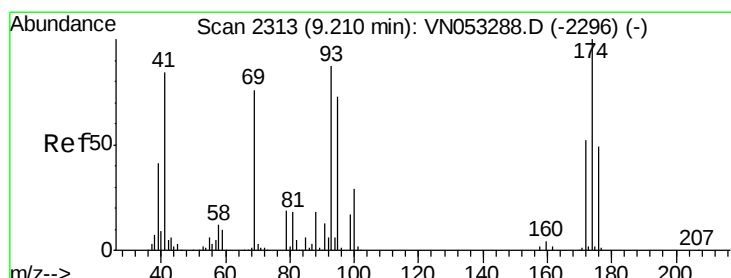
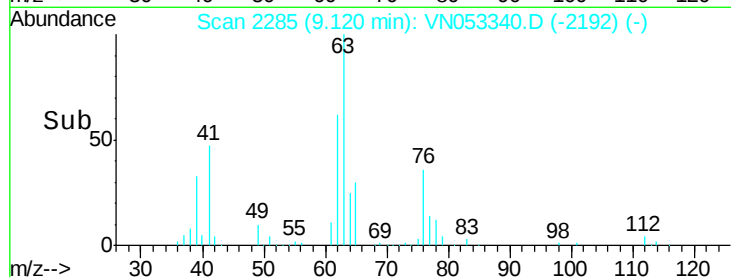
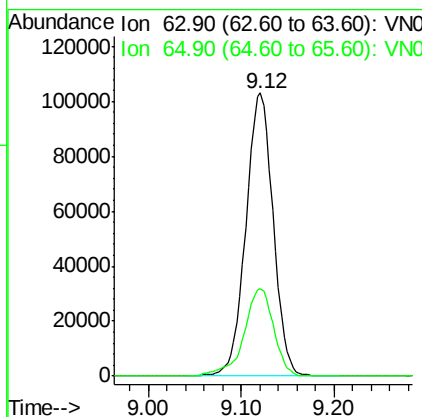
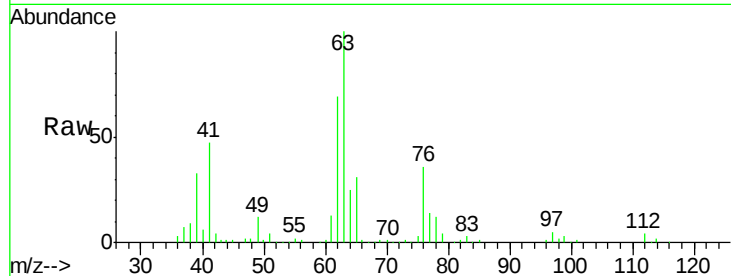
#45
 1,2-Dichloropropane
 Concen: 19.690 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion: 63 Resp: 210467
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.6

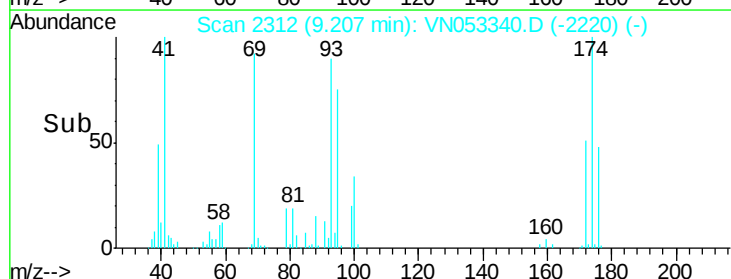
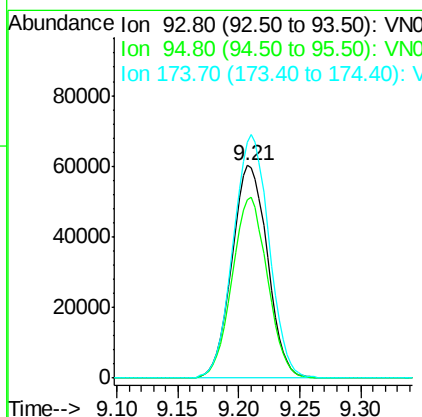
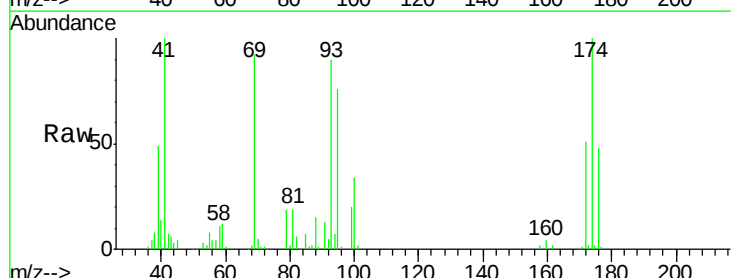
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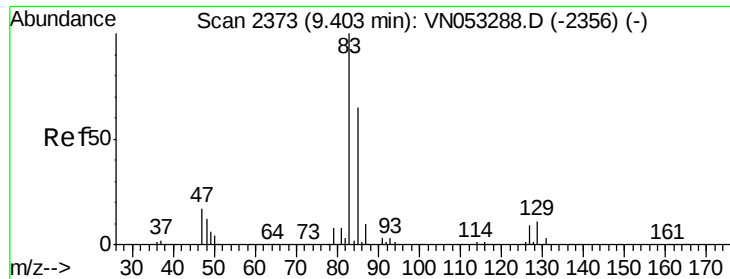
MMDadoda
 1/11/2019 10:11:56 AM



#46
 Dibromomethane
 Concen: 19.581 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion: 93 Resp: 122032
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 100.0
 174 114.8 91.4 137.0





#47

Bromodichloromethane

Concen: 19.316 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

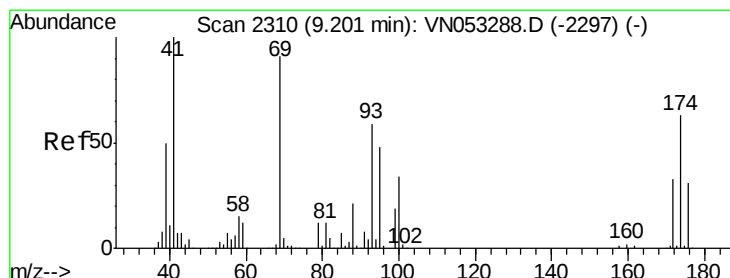
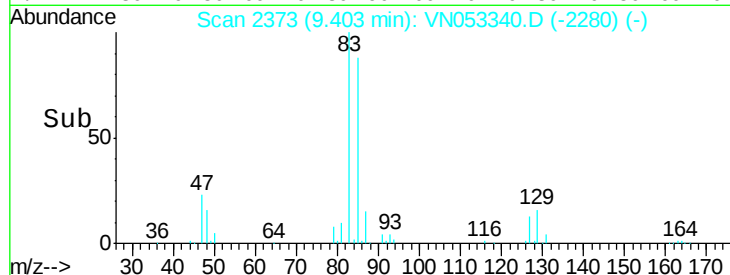
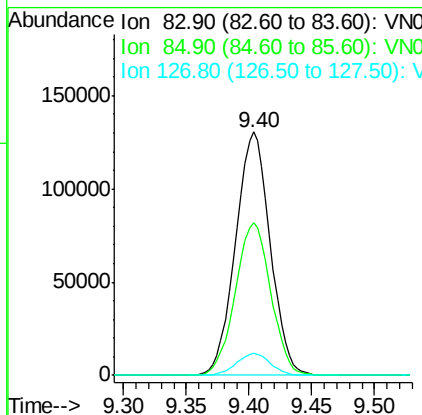
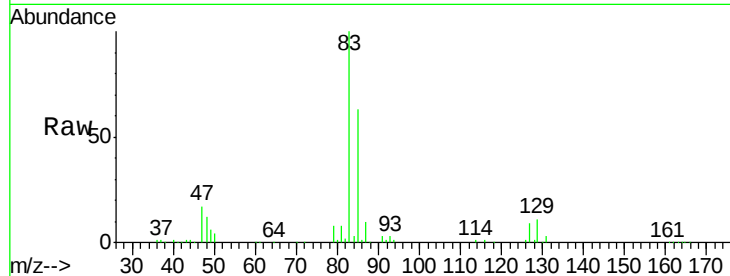
ClientSampleId :

VN0110WBS02

Tot Ion:	83	Resp:	250869
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.7	77.5
127	9.0	7.0	10.6

Manual Integrations
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MMDadoda
1/11/2019 10:11:56 AM



#48

Methyl methacrylate

Concen: 19.224 ug/l

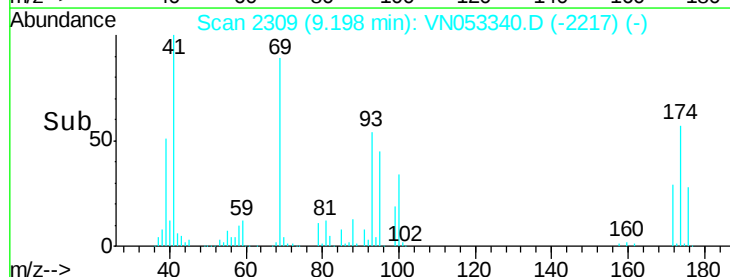
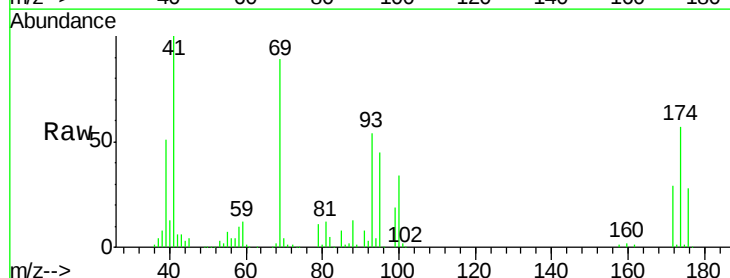
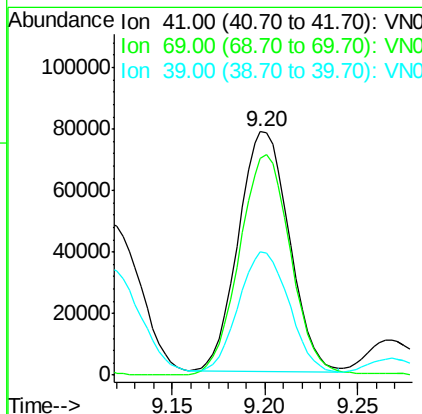
RT: 9.20 min Scan# 2309

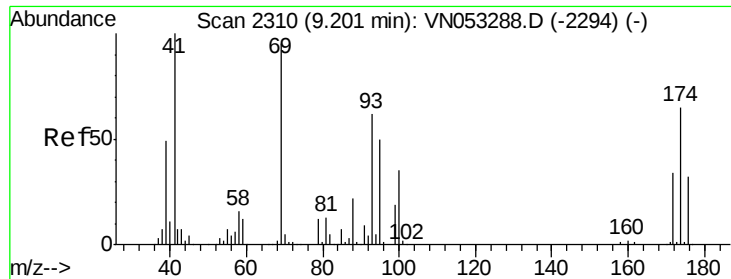
Delta R.T. -0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion:	41	Resp:	149315
Ion	Ratio	Lower	Upper
41	100		
69	92.7	73.5	110.3
39	51.8	41.6	62.4





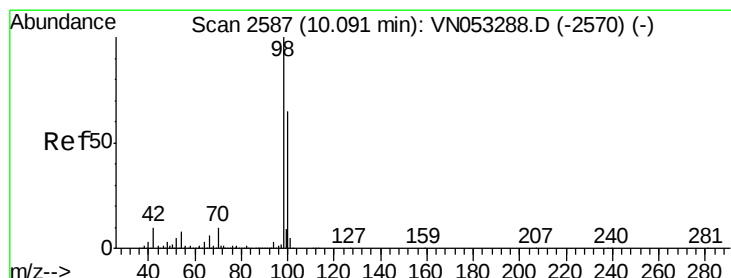
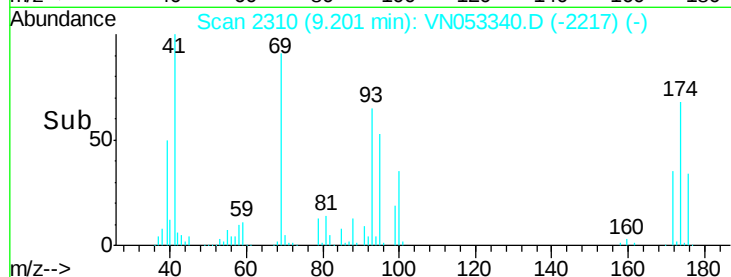
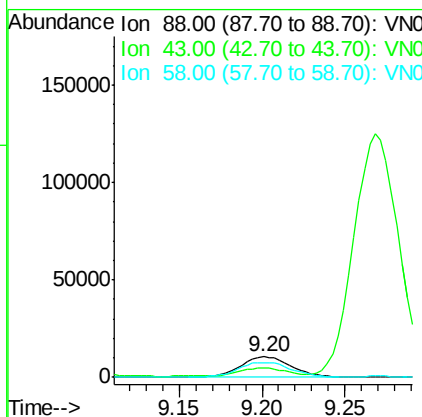
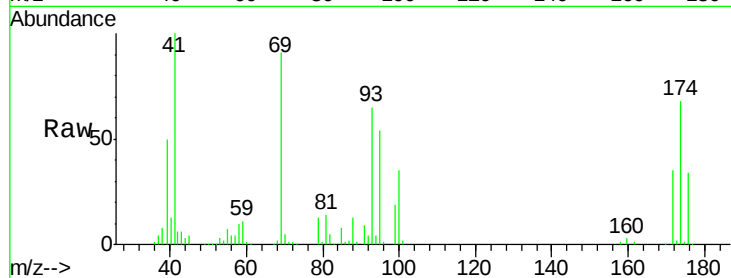
#49
1,4-Dioxane
Concen: 276.467 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion	88	Resp	22878
Ion	Ratio	Lower	Upper
88	100		
43	35.4	26.2	39.4
58	75.2	55.5	83.3

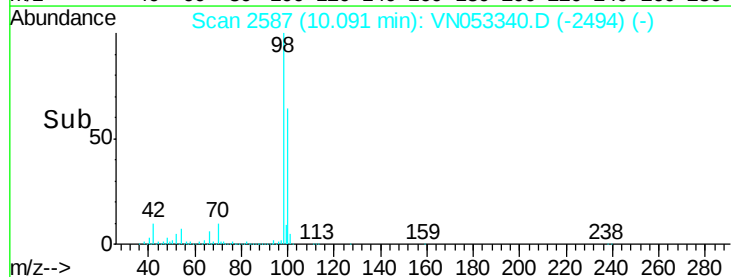
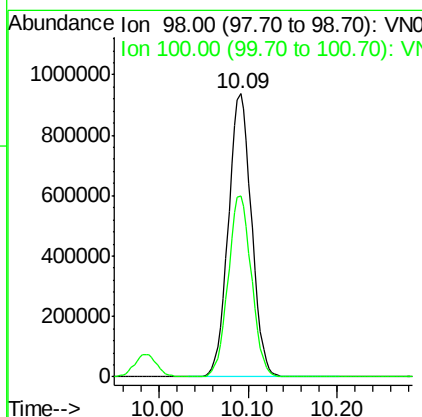
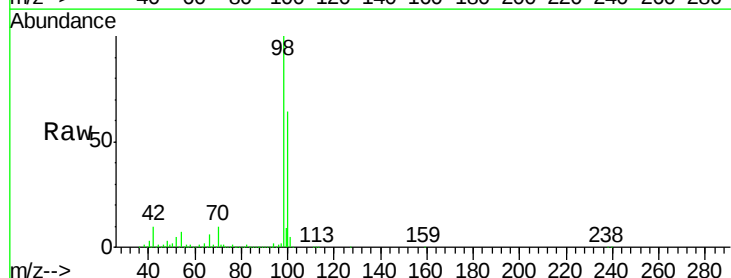
Manual Integrations
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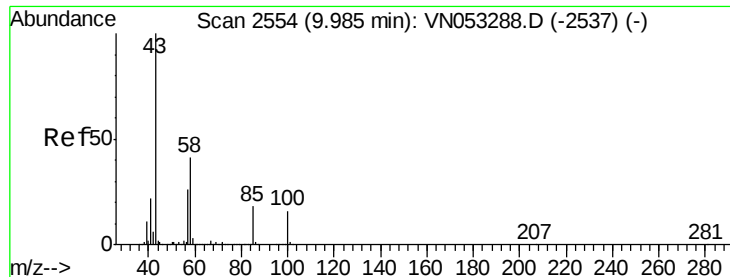
MMDadoda
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#50
Toluene-d8
Concen: 276.467 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion	98	Resp	1682151
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 98.140 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion: 43 Resp: 843733

Ion Ratio Lower Upper

43 100

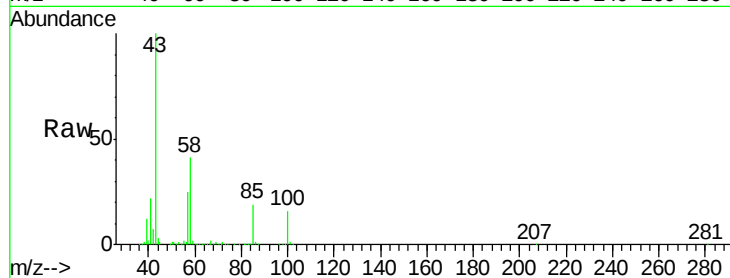
58 41.5 32.7 49.1

Manual Integrations

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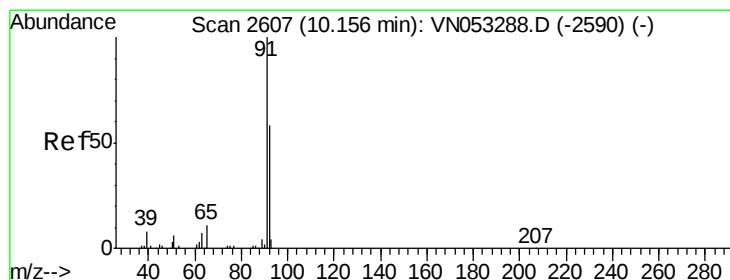
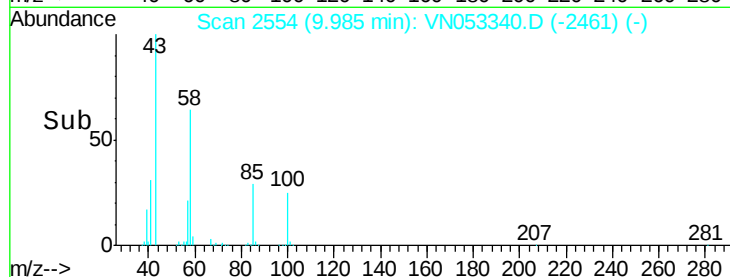
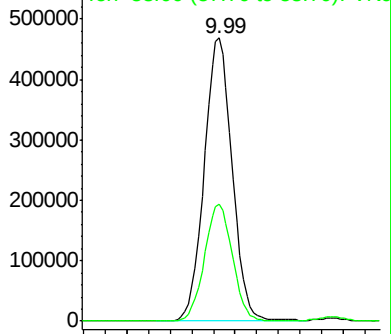
MMDadoda

1/11/2019 10:11:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.725 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053340.D

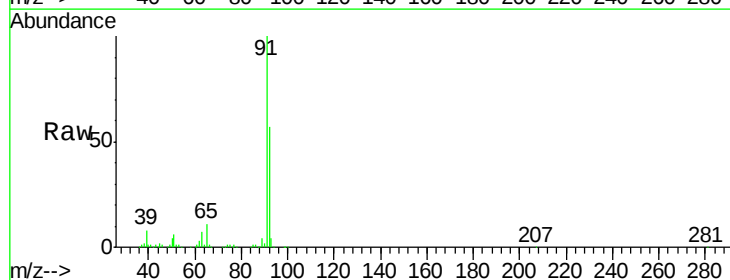
Acq: 10 Jan 2019 14:34

Tgt Ion: 92 Resp: 493167

Ion Ratio Lower Upper

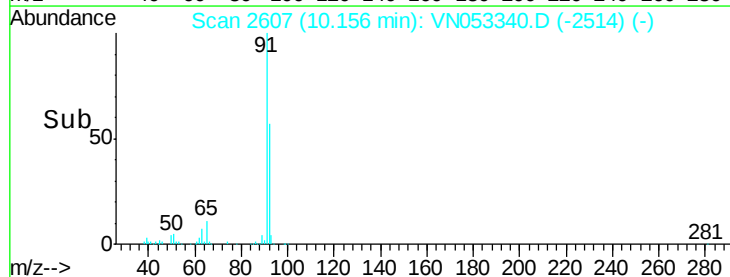
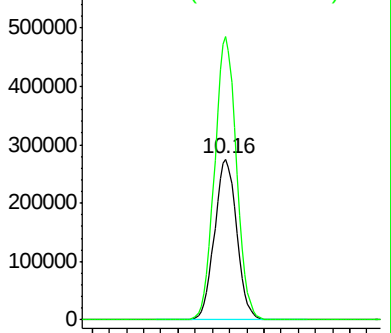
92 100

91 173.7 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





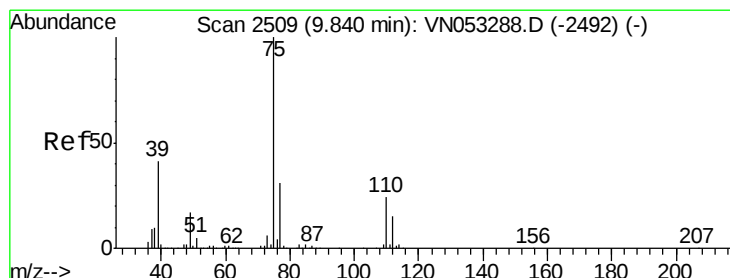
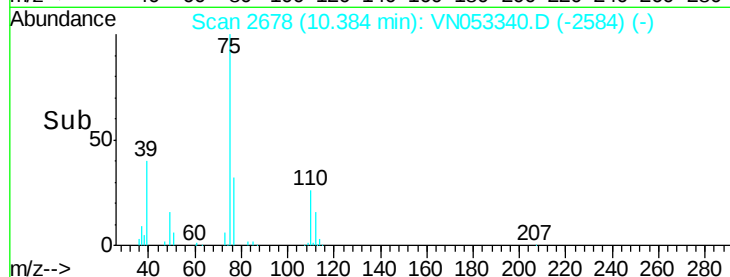
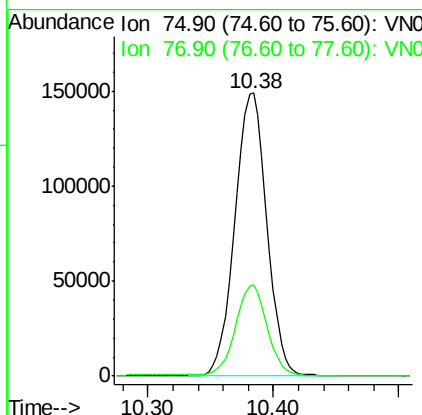
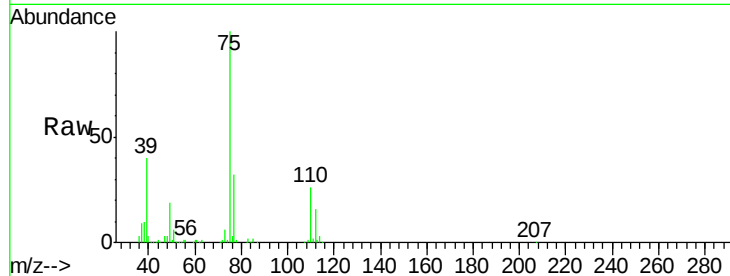
#53
t-1,3-Dichloropropene
Concen: 19.875 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4

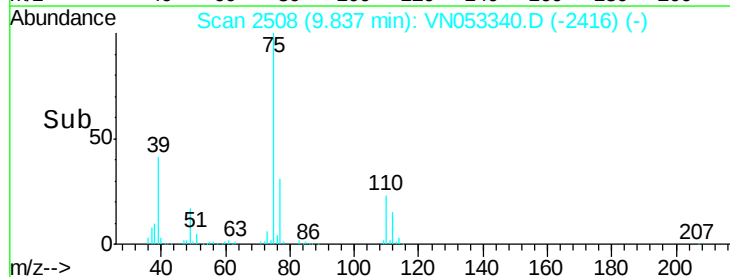
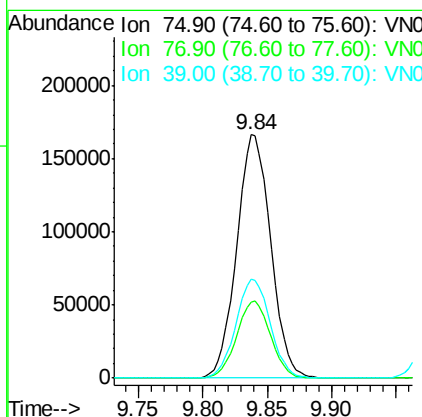
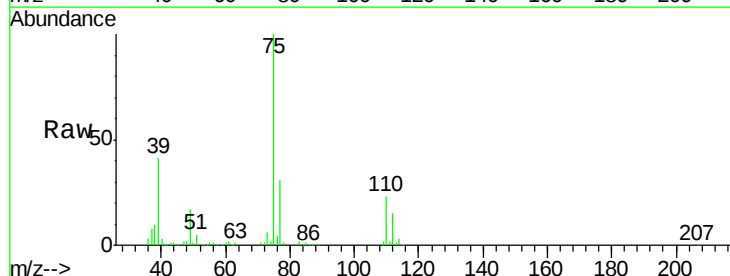
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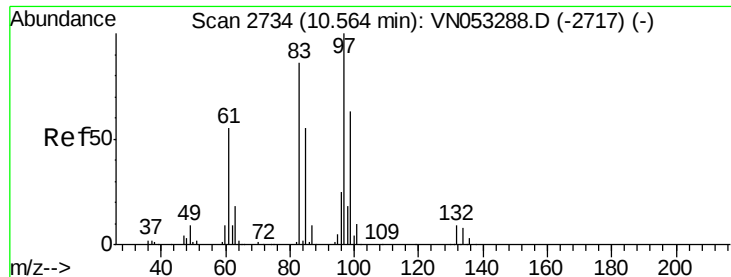
MMDadoda
1/11/2019 10:11:56 AM



#54
cis-1,3-Dichloropropene
Concen: 19.900 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	40.7	33.1	49.7





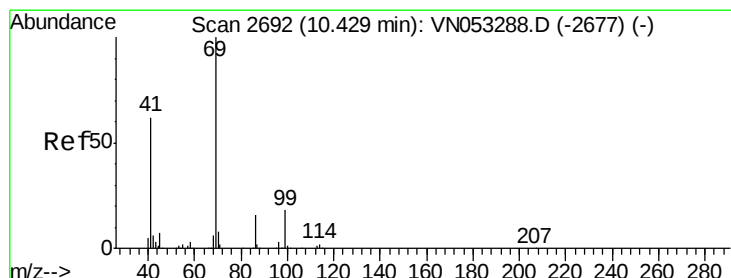
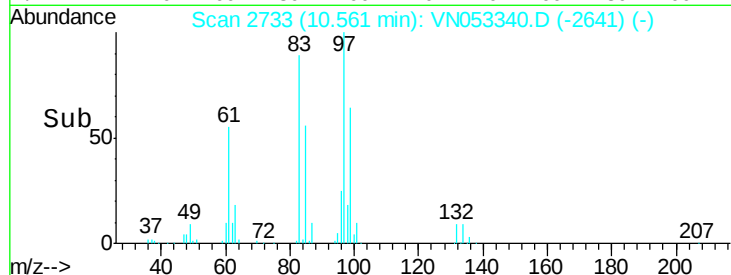
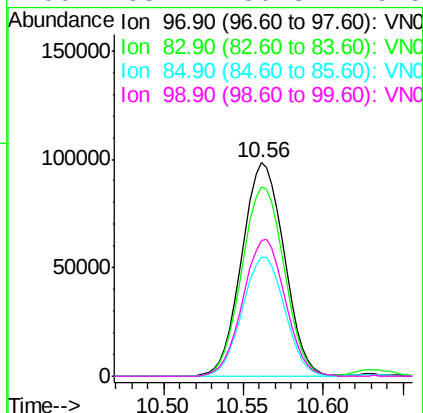
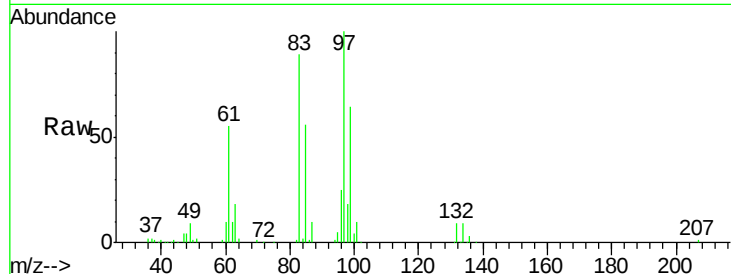
#55
 1,1,2-Trichloroethane
 Concen: 19.452 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0110WBS02

Tot Ion:	97	Resp:	178829
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.1	103.7
85	56.0	44.2	66.4
99	63.7	50.3	75.5

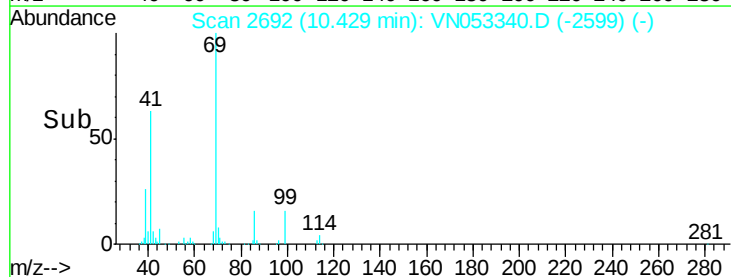
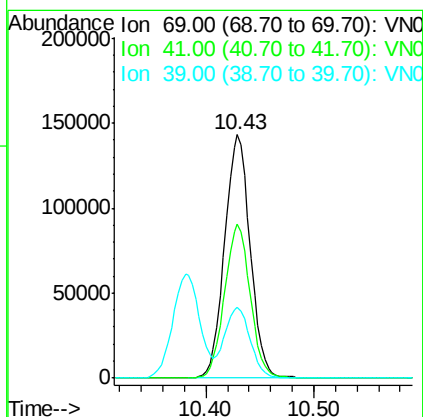
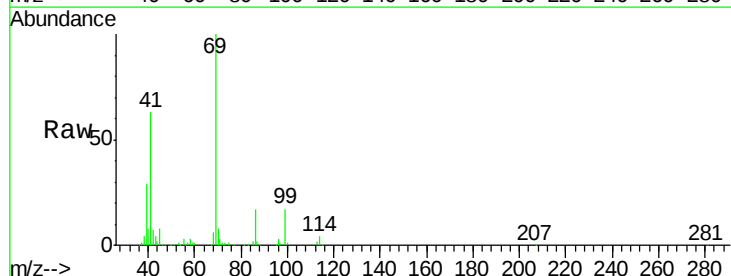
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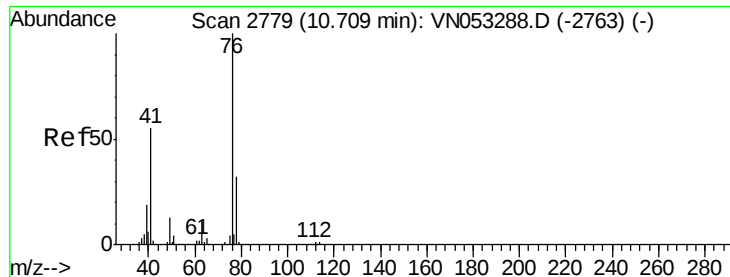
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#56
 Ethyl methacrylate
 Concen: 19.786 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion:	69	Resp:	236387
Ion	Ratio	Lower	Upper
69	100		
41	62.6	49.2	73.8
39	29.5	23.4	35.0





#57

1,3-Dichloropropane

Concen: 19.899 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion: 76 Resp: 305922

Ion Ratio Lower Upper

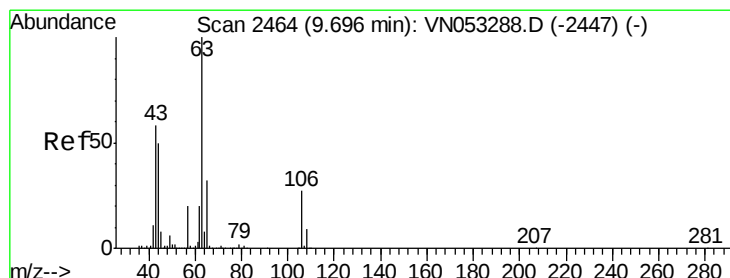
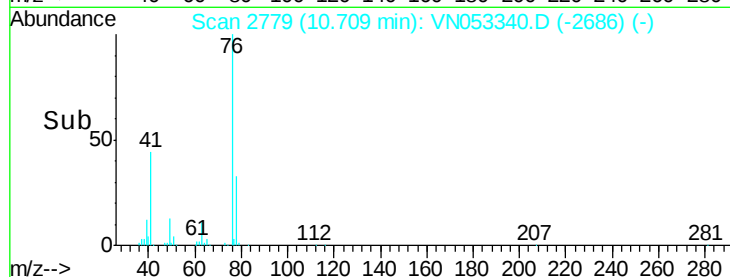
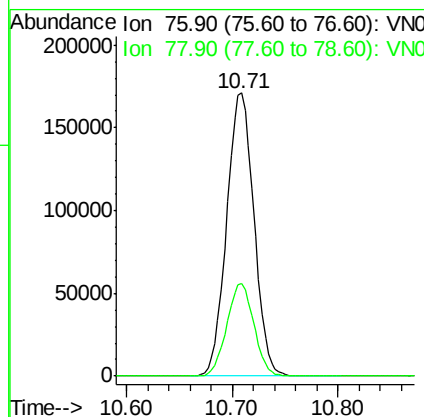
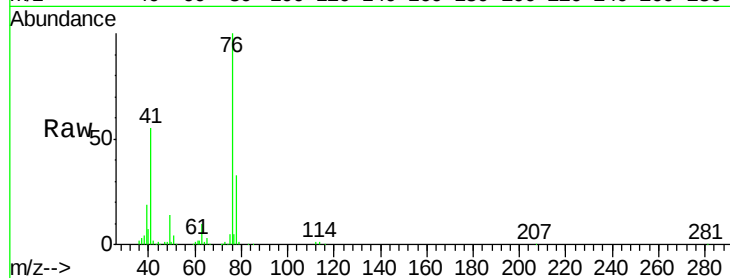
76 100

78 32.5 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 98.454 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053340.D

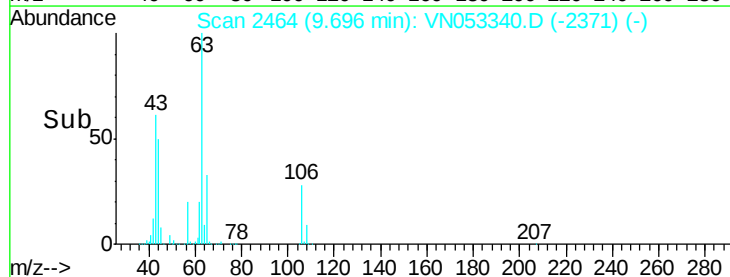
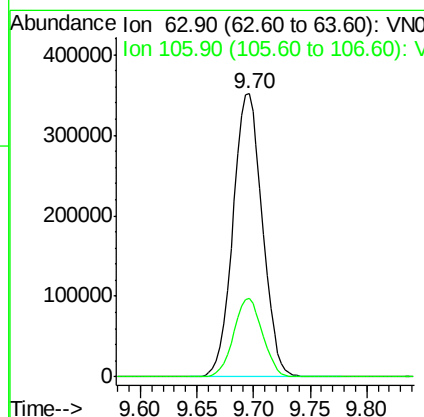
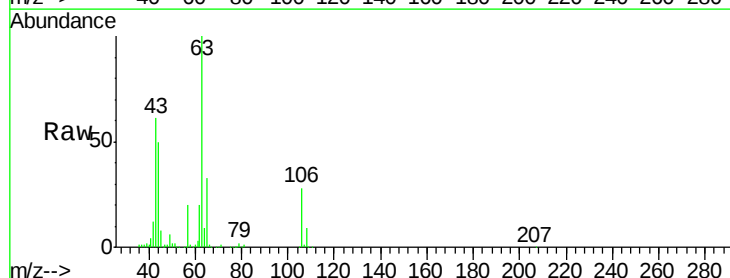
Acq: 10 Jan 2019 14:34

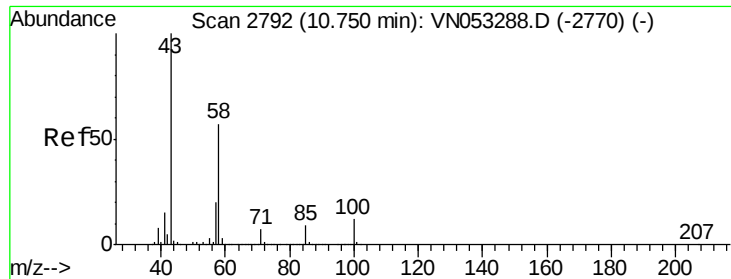
Tgt Ion: 63 Resp: 635889

Ion Ratio Lower Upper

63 100

106 27.2 21.7 32.5





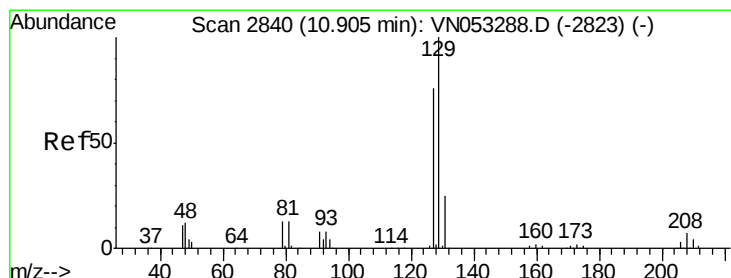
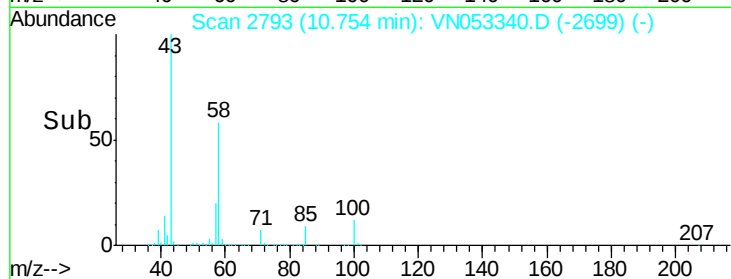
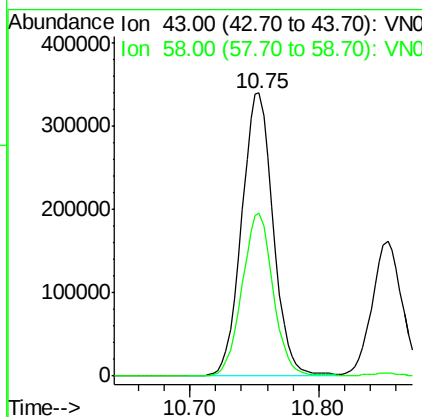
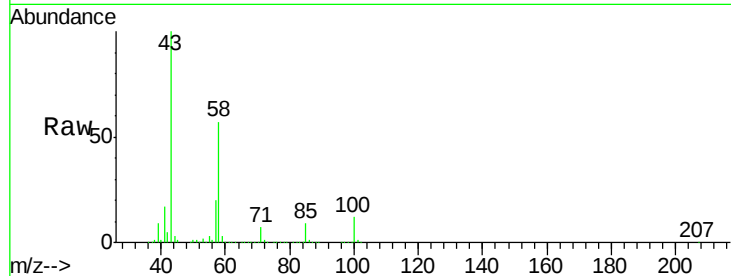
#59
2-Hexanone
Concen: 98.153 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion: 43 Resp: 578175
Ion Ratio Lower Upper
43 100
58 56.8 28.3 85.0

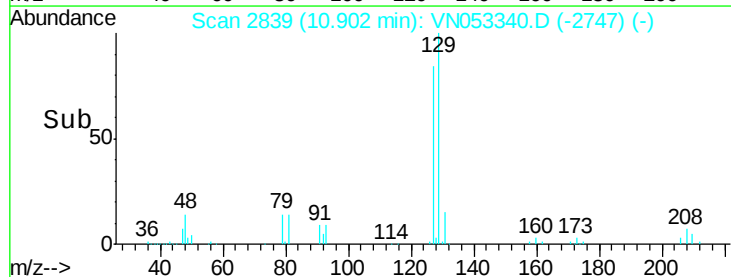
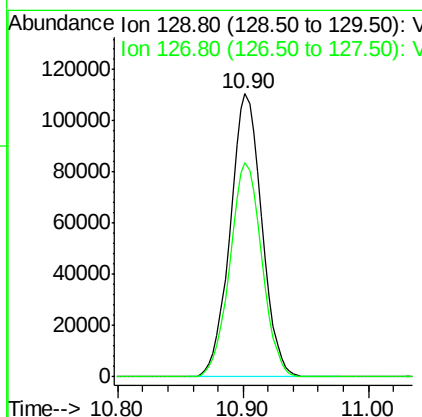
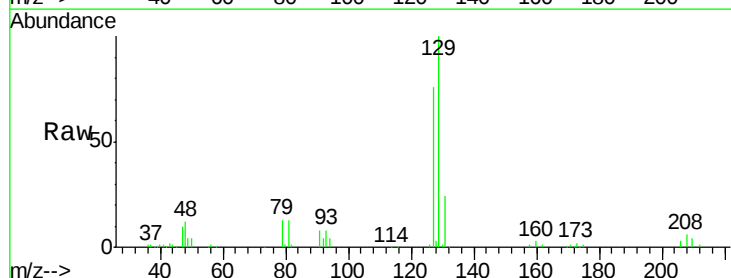
Manual Integrations
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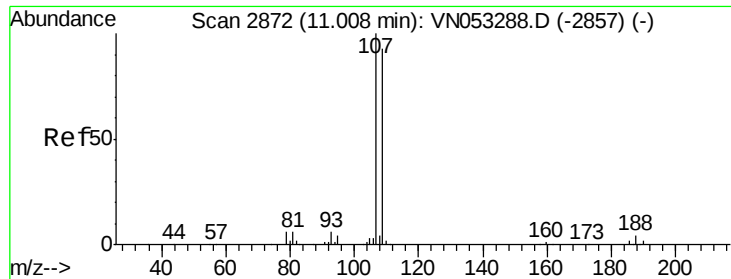
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#60
Dibromochloromethane
Concen: 19.514 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion:129 Resp: 193499
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





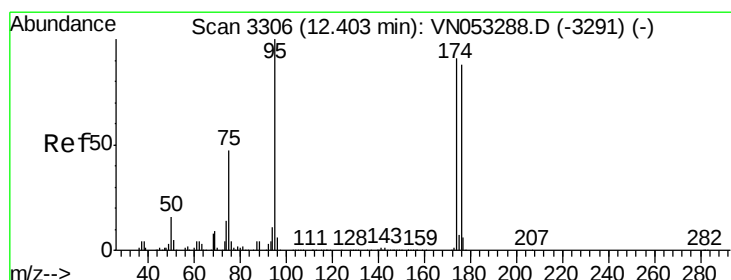
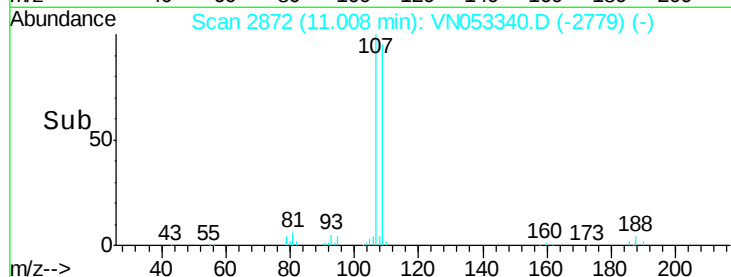
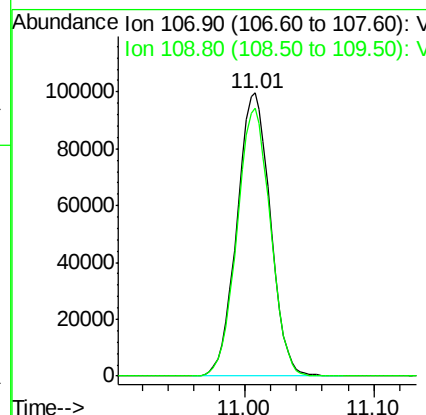
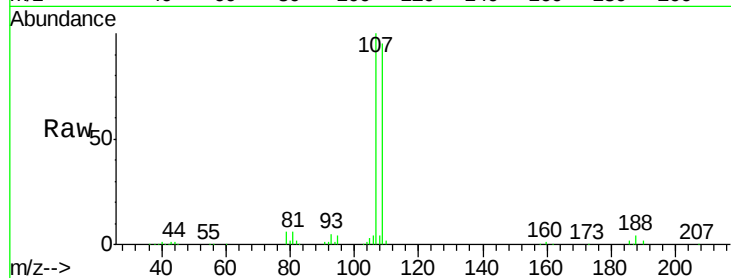
#61
 1,2-Dibromoethane
 Concen: 19.725 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.6

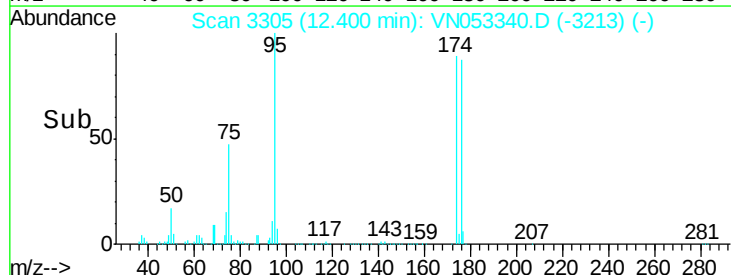
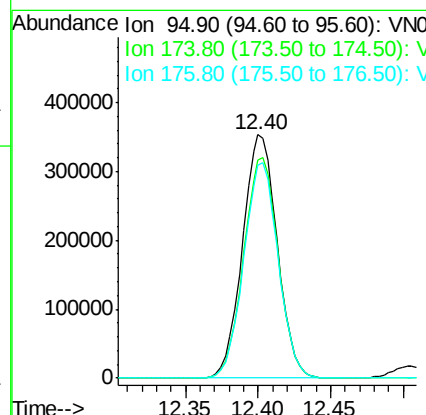
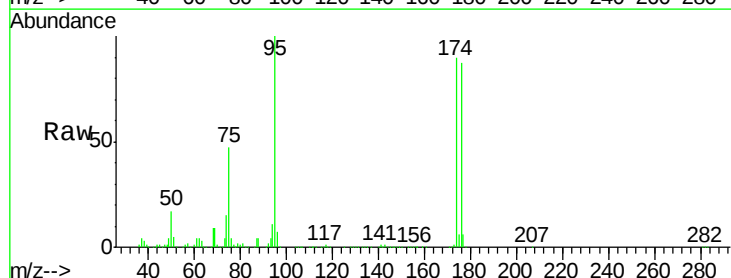
Manual Integrations
 APPROVED

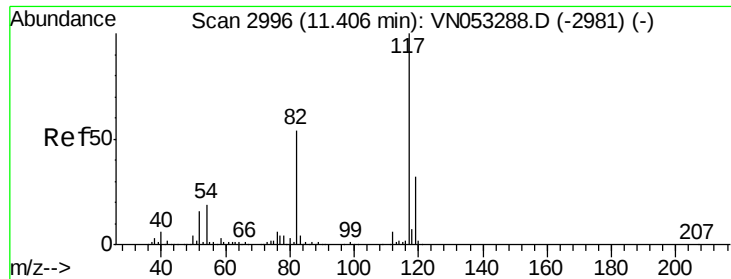
MMDadoda
 1/11/2019 10:11:56 AM



#62
 4-Bromofluorobenzene
 Concen: 19.725 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	180.4
176	88.0	0.0	175.6





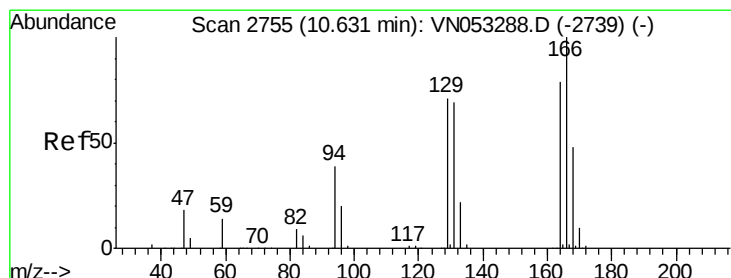
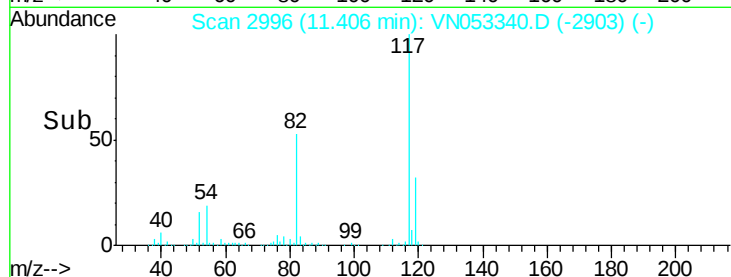
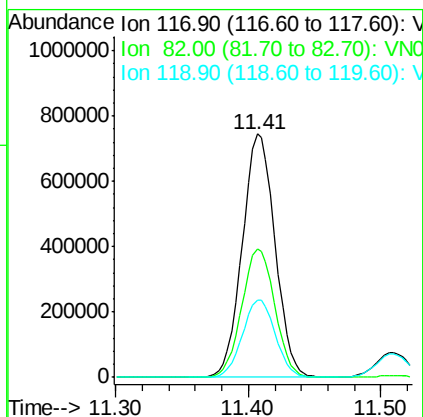
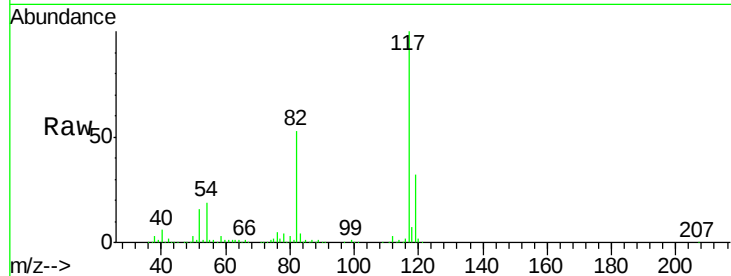
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion:117 Resp: 1275807
Ion Ratio Lower Upper
117 100
82 52.8 42.9 64.3
119 31.9 25.6 38.4

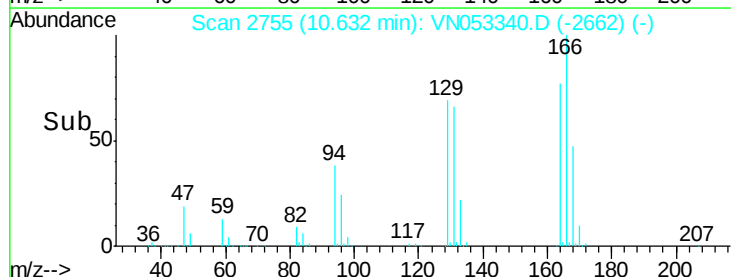
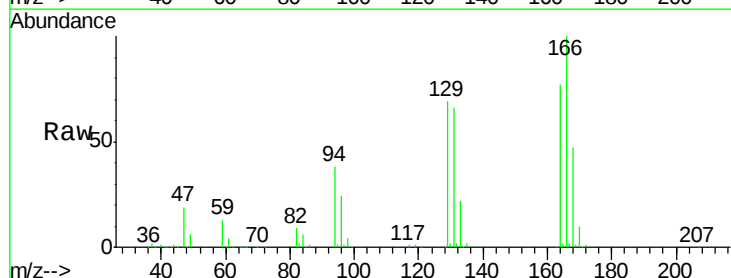
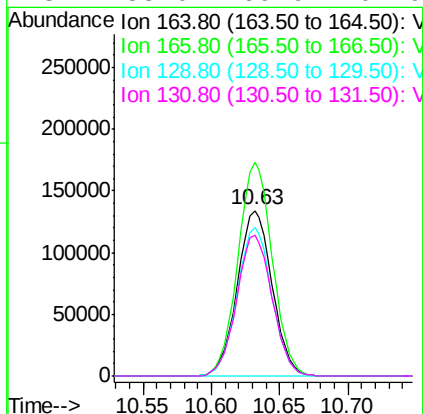
Manual Integrations
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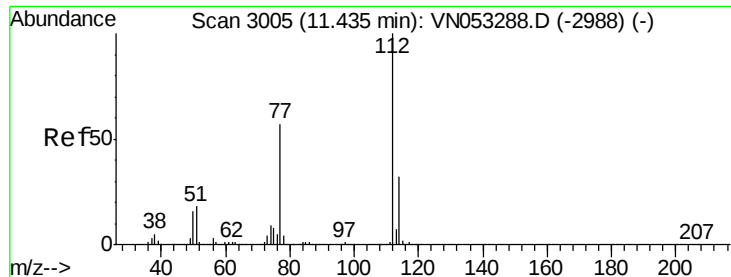
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#64
Tetrachloroethene
Concen: 19.789 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion:164 Resp: 237624
Ion Ratio Lower Upper
164 100
166 129.1 101.7 152.5
129 89.7 72.1 108.1
131 85.0 69.9 104.9





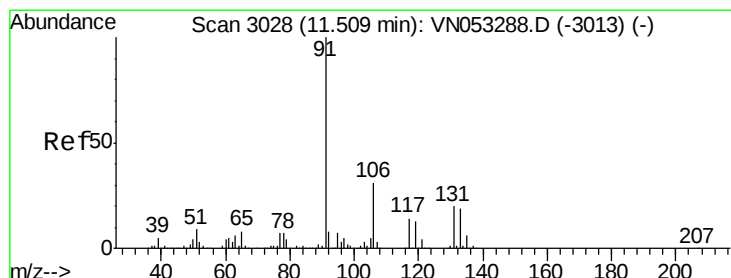
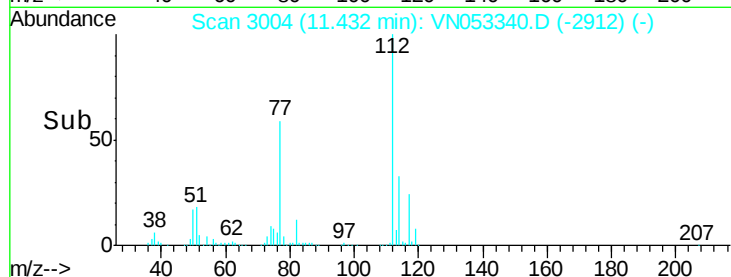
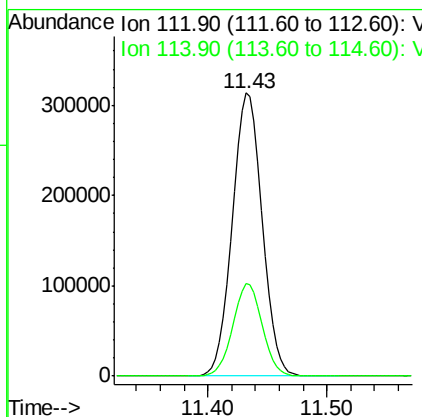
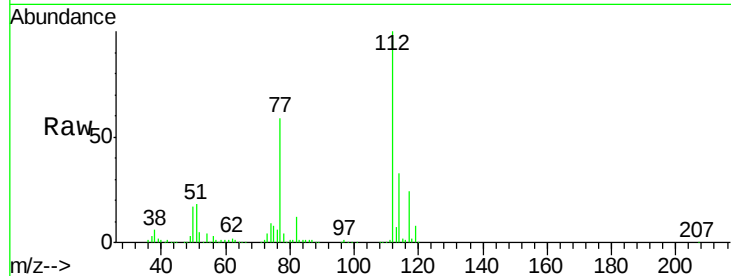
#65
Chlorobenzene
Concen: 19.694 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion:112 Resp: 545818
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4

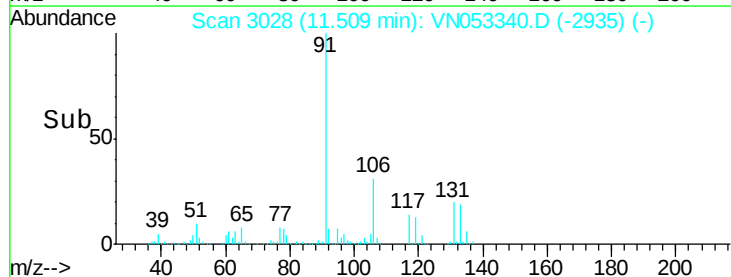
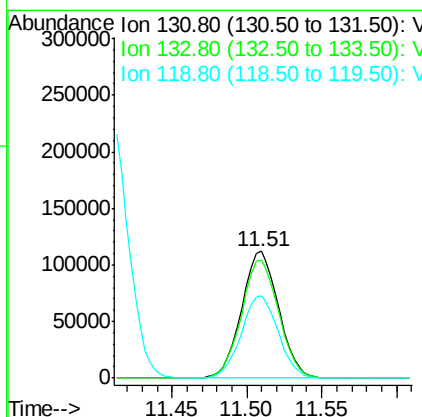
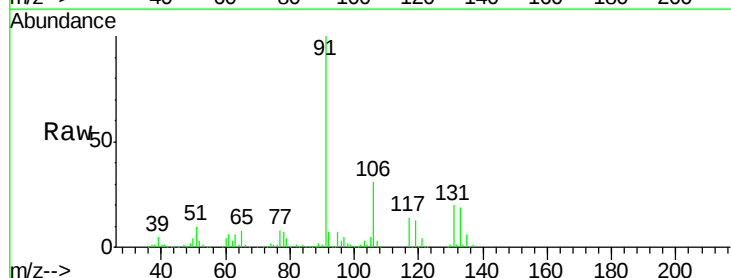
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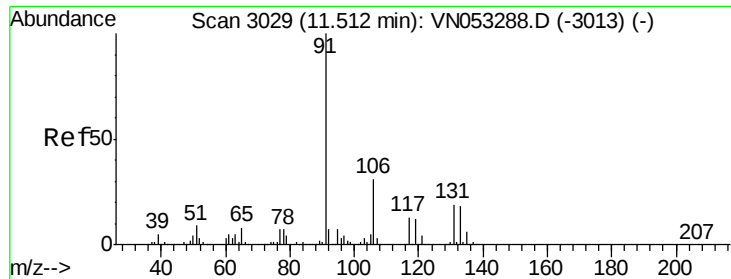
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.875 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion:131 Resp: 192802
Ion Ratio Lower Upper
131 100
133 93.7 48.0 144.0
119 65.1 33.3 99.9





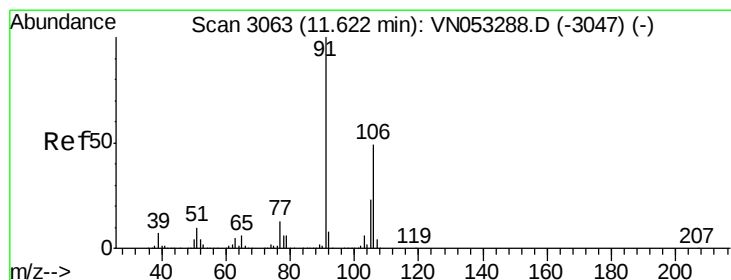
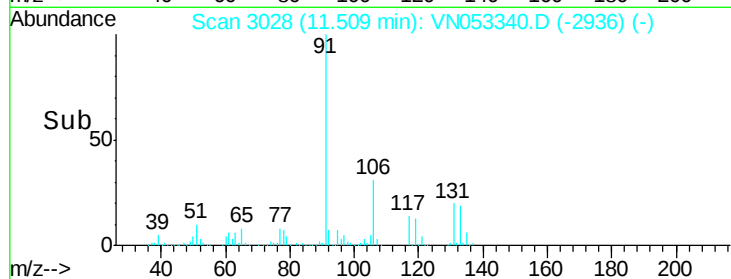
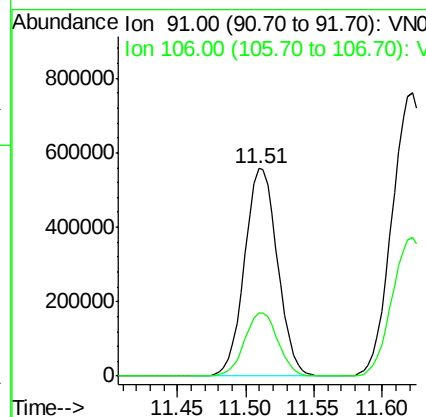
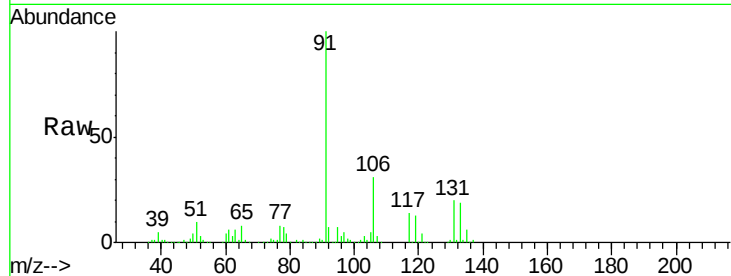
#67
Ethyl Benzene
Concen: 19.851 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion: 91 Resp: 934895
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4

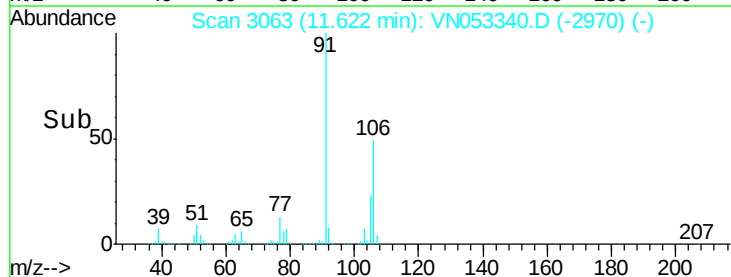
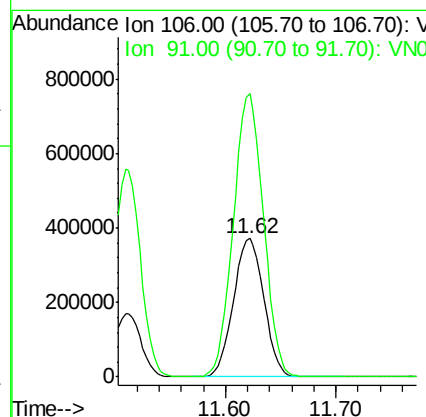
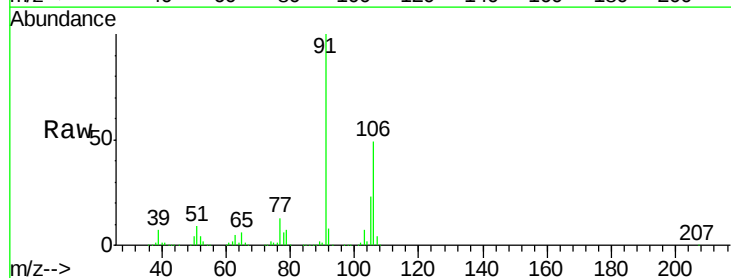
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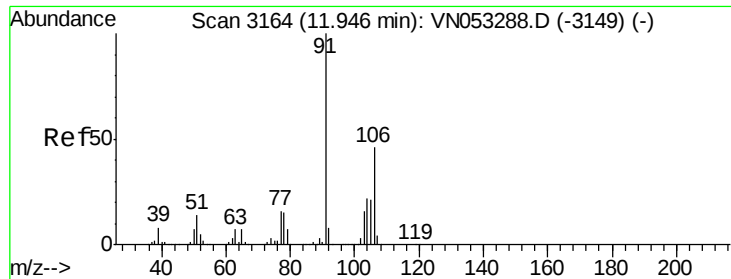
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#68
m/p-Xylenes
Concen: 40.028 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion: 106 Resp: 708851
Ion Ratio Lower Upper
106 100
91 203.0 161.4 242.2





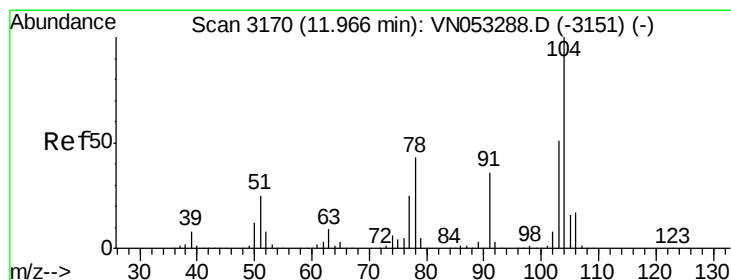
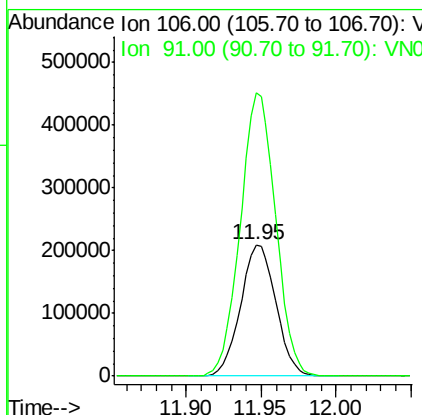
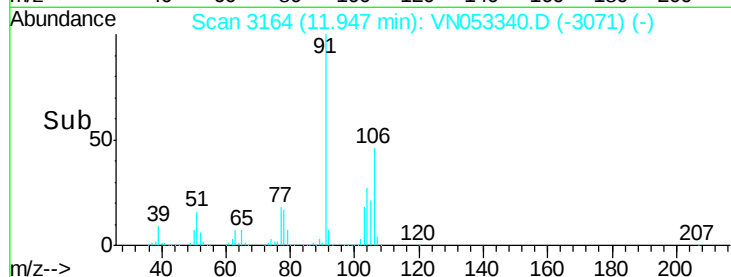
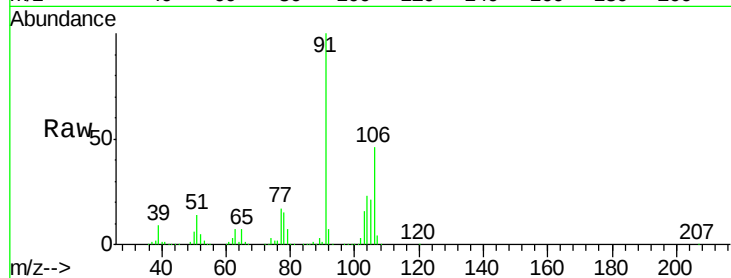
#69
o-Xylene
Concen: 19.825 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

Tot Ion:106 Resp: 343703
Ion Ratio Lower Upper
106 100
91 215.8 106.8 320.4

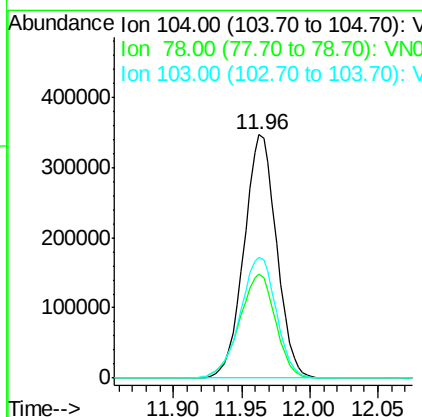
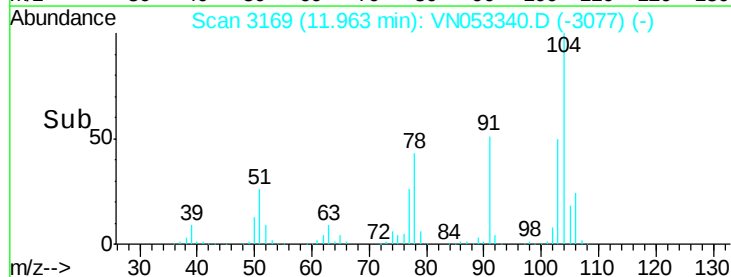
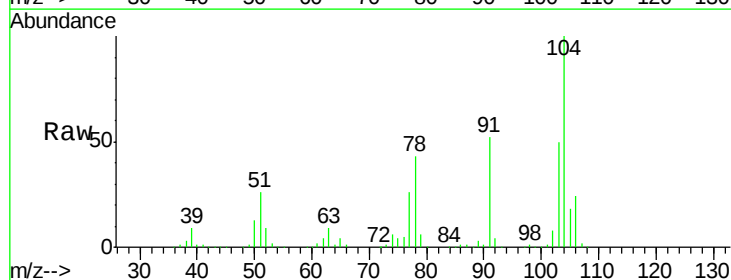
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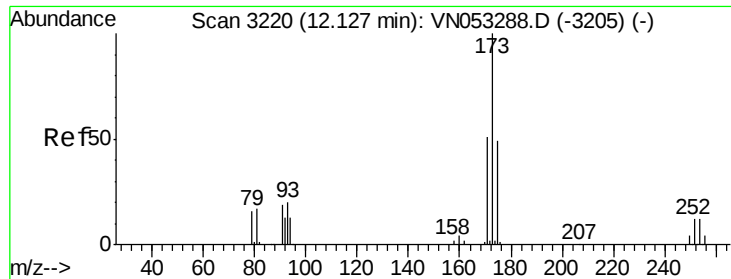
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#70
Styrene
Concen: 20.313 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion:104 Resp: 573167
Ion Ratio Lower Upper
104 100
78 47.3 38.5 57.7
103 54.8 44.5 66.7





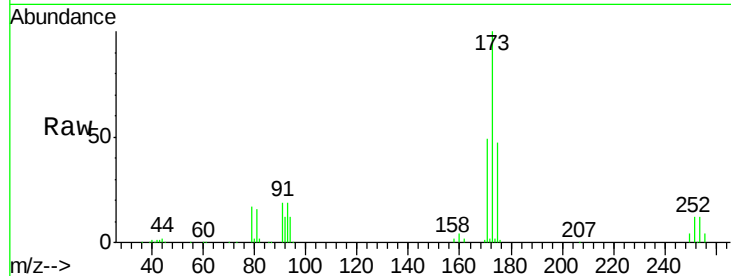
#71
Bromoform
Concen: 19.443 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Instrument :
MSVOA_N
ClientSampleId :
VN0110WBS02

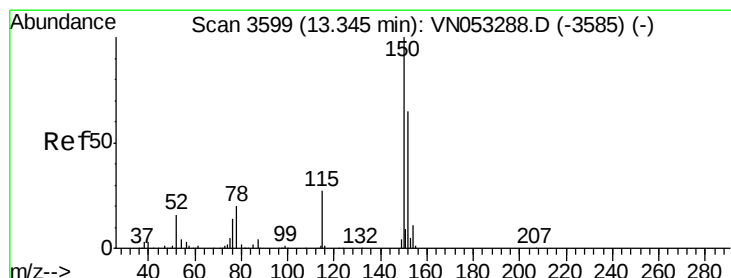
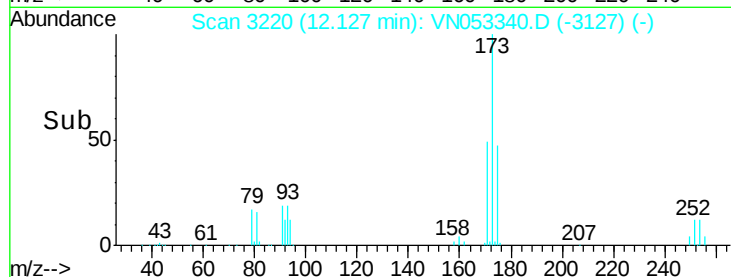
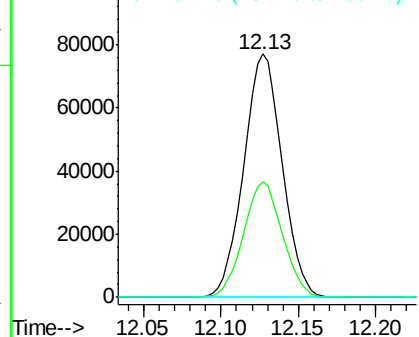
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.0	0.2	0.2

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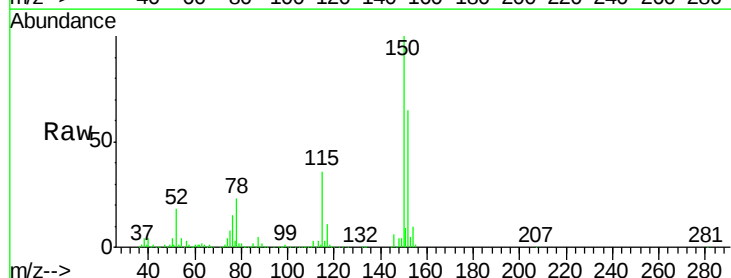


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

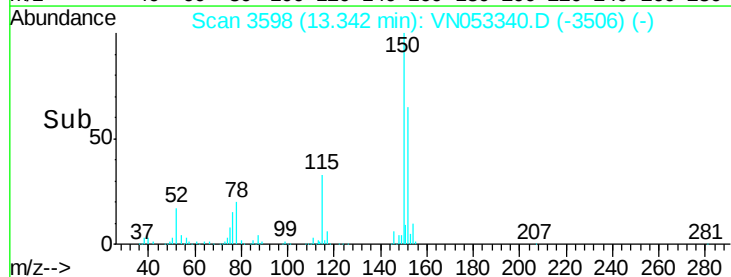
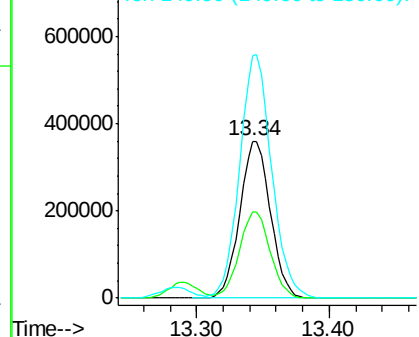


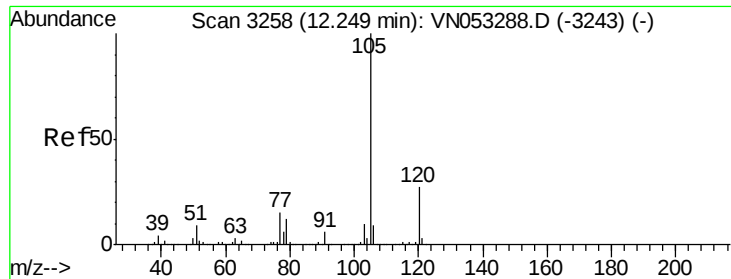
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053340.D
Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.0	84.0
150	162.0	0.0	346.6



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





#73

Isopropylbenzene

Concen: 21.502 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion:105 Resp: 924466

Ion Ratio Lower Upper

105 100

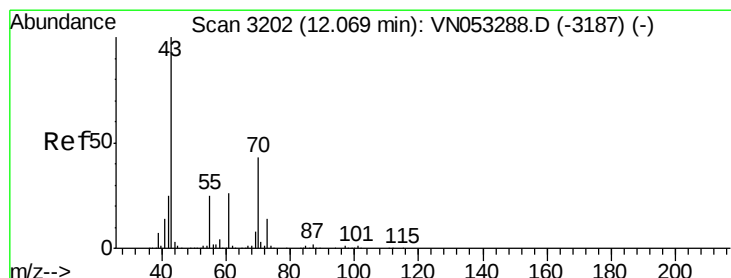
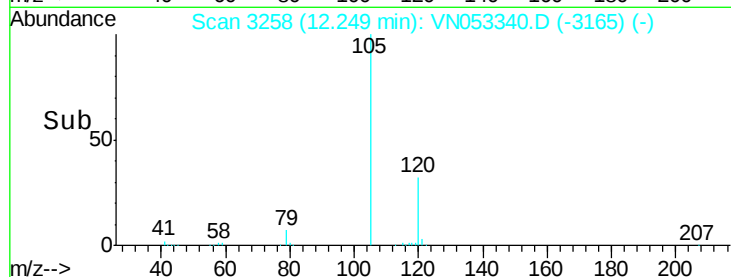
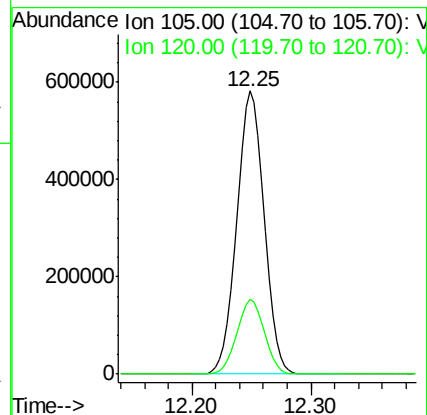
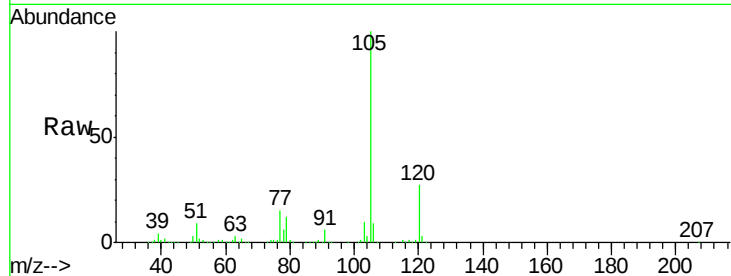
120 26.7 13.4 40.2

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#74

N-ethyl acetate

Concen: 20.614 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion: 43 Resp: 264646

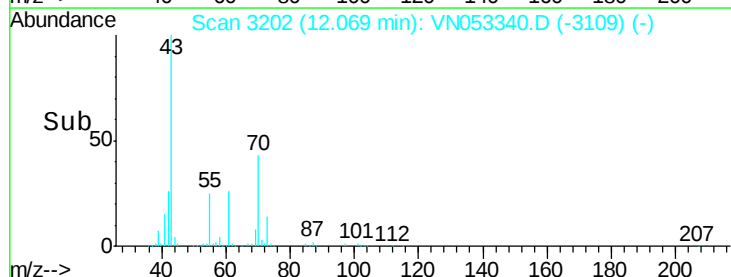
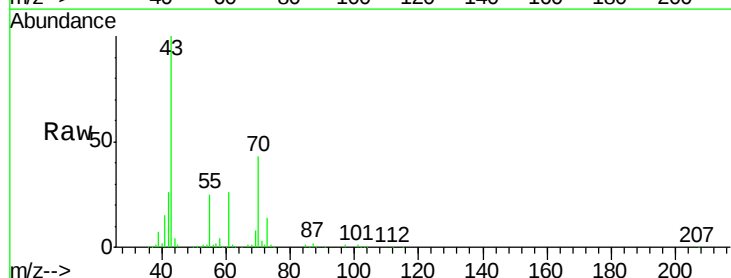
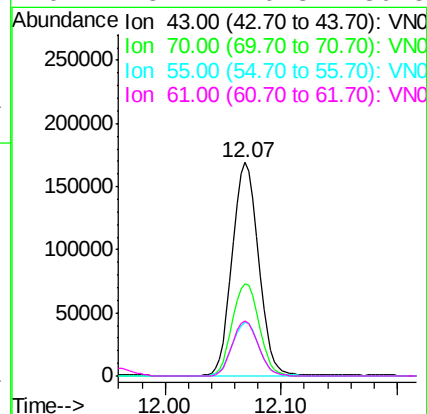
Ion Ratio Lower Upper

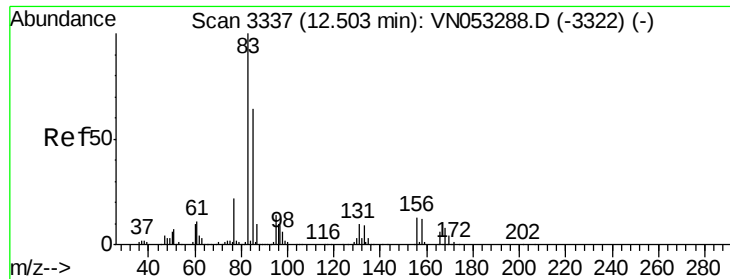
43 100

70 44.1 35.0 52.6

55 25.8 20.0 30.0

61 25.7 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.681 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

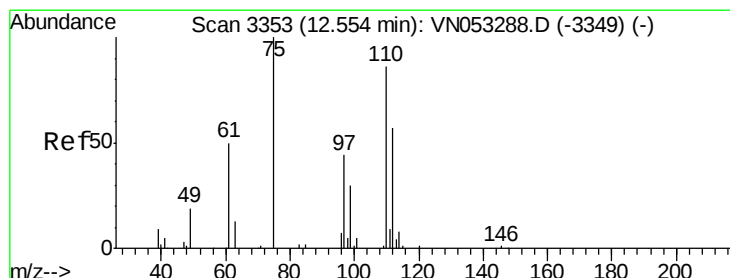
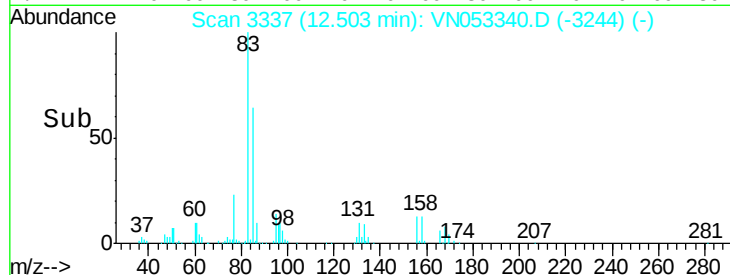
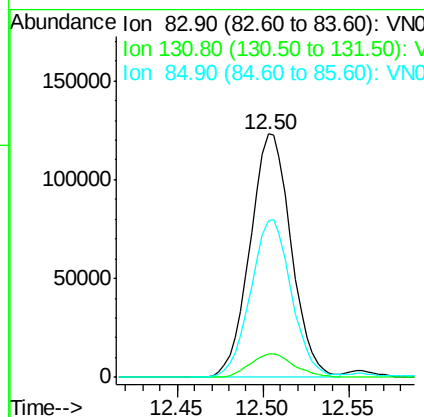
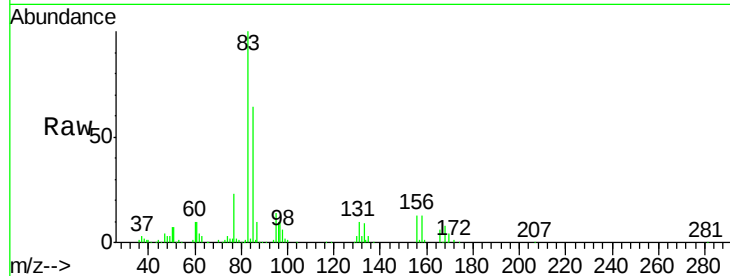
ClientSampleId :

VN0110WBS02

Tot Ion:	83	Resp:	204541
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.481 ug/l m

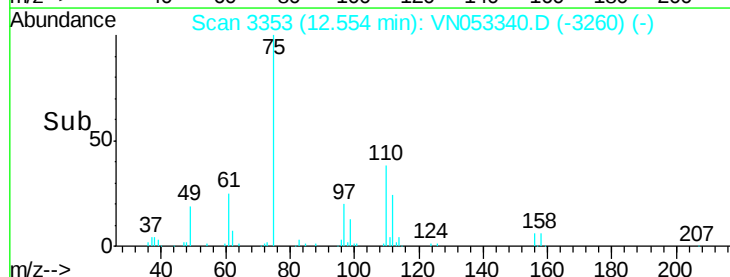
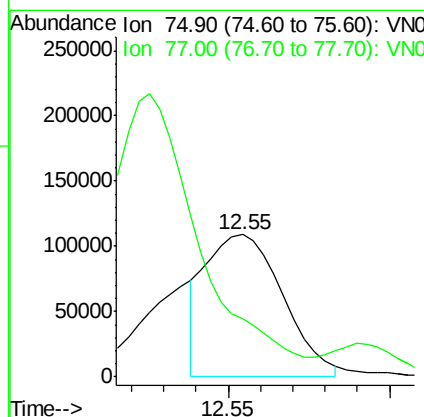
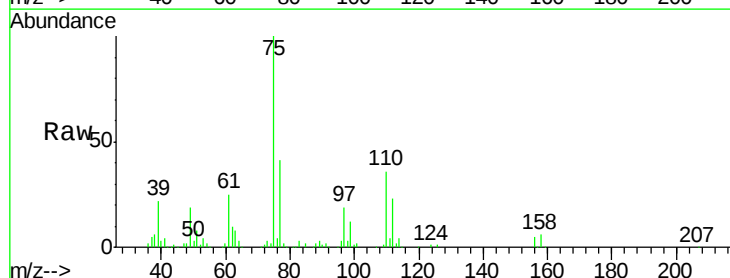
RT: 12.55 min Scan# 3353

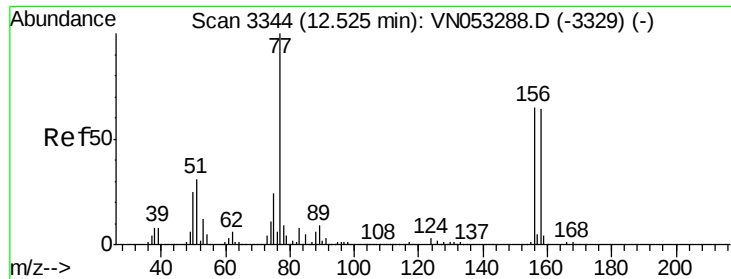
Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion:	75	Resp:	180931
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.693 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

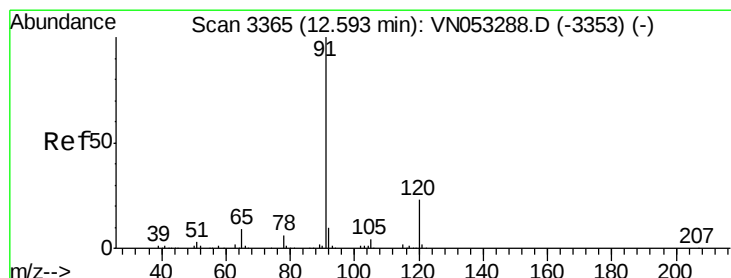
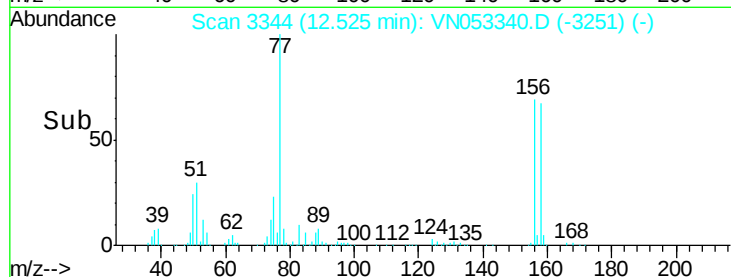
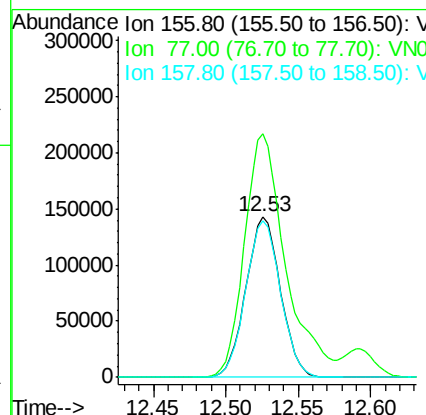
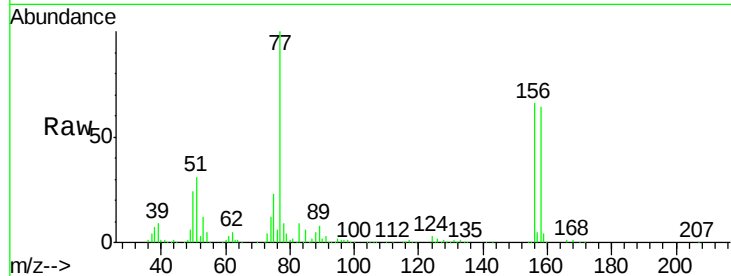
ClientSampleId :

VN0110WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.2	89.3	268.1
158	98.5	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.377 ug/l

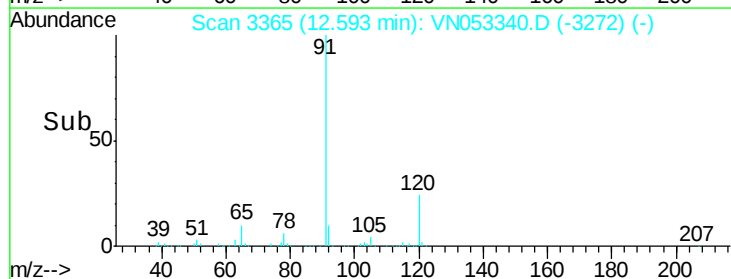
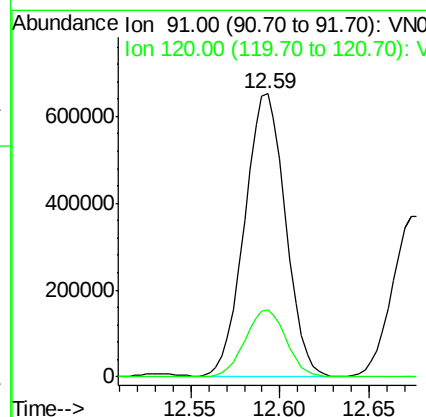
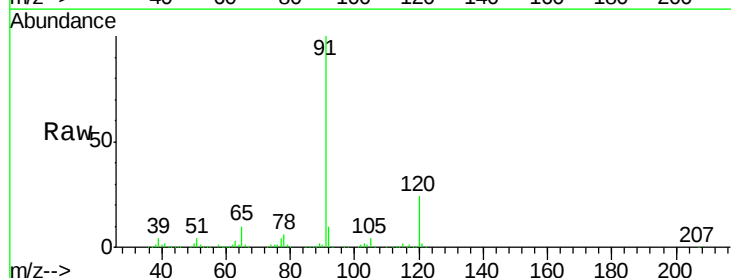
RT: 12.59 min Scan# 3365

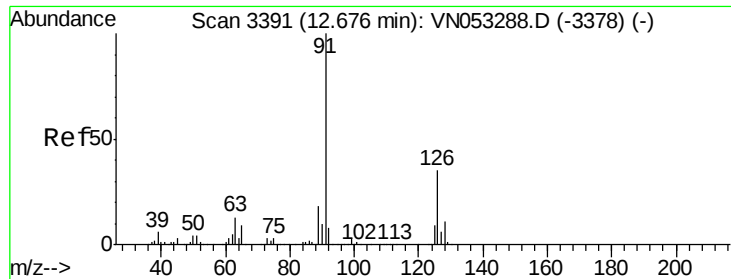
Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 21.011 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion: 91 Resp: 618291

Ion Ratio Lower Upper

91 100

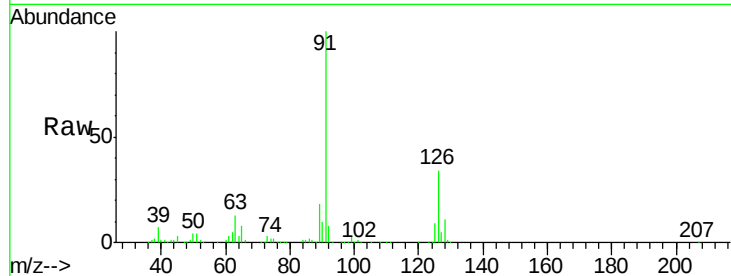
126 35.0 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053340.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN053340.D (-3390) (-)

600000

400000

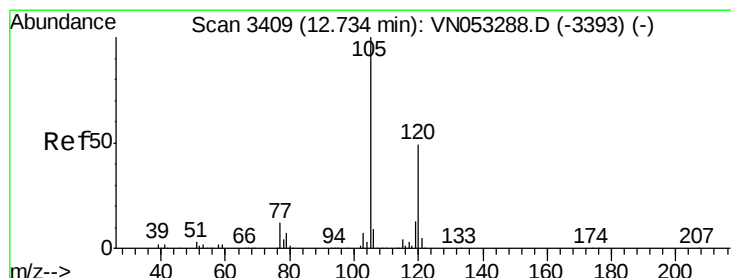
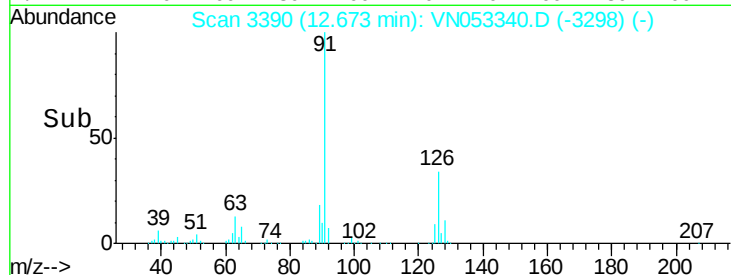
200000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.288 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053340.D

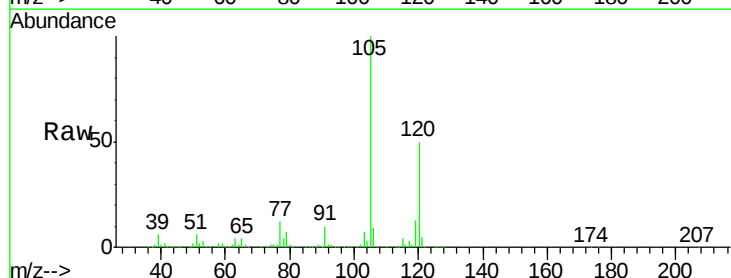
Acq: 10 Jan 2019 14:34

Tgt Ion: 105 Resp: 737252

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053340.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN053340.D (-3409) (-)

500000

400000

300000

200000

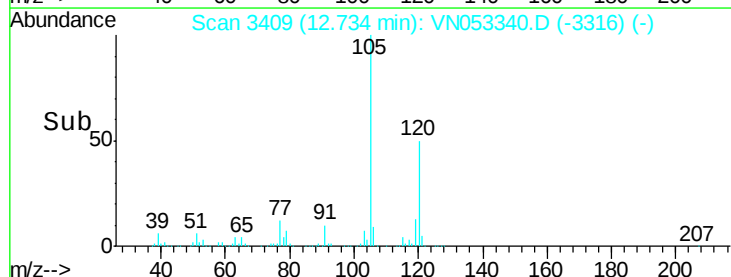
100000

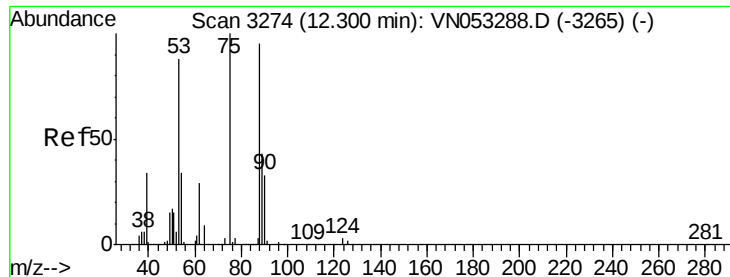
0

12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.870 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

ClientSampleId :

VN0110WBS02

Tot Ion: 75 Resp: 59746

Ion Ratio Lower Upper

75 100

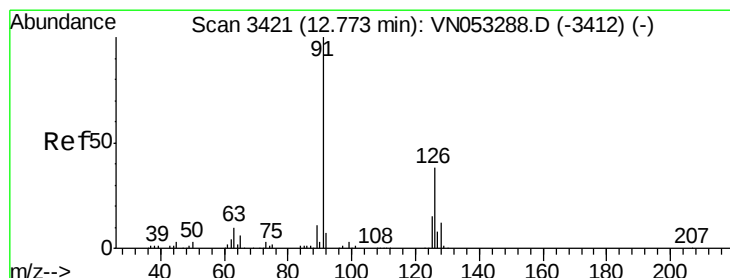
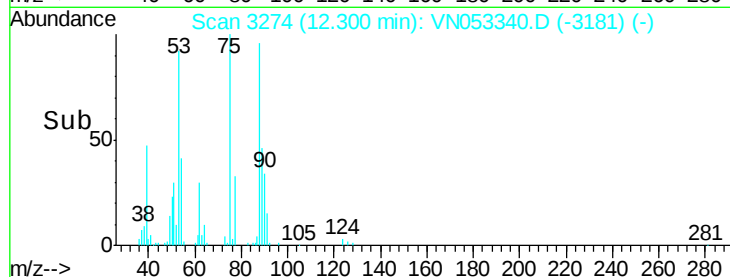
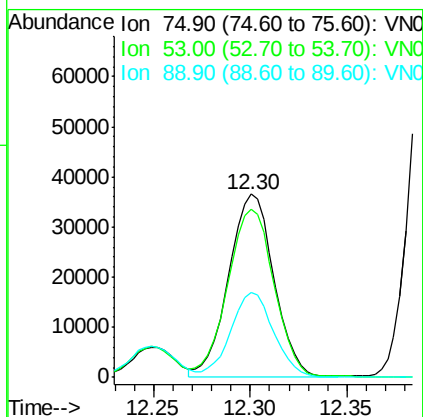
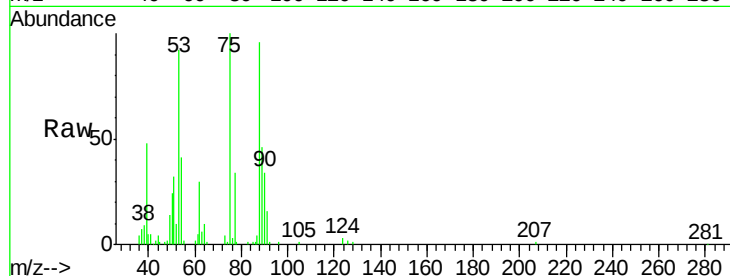
53 94.5 70.5 105.7

89 44.0 35.4 53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.651 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053340.D

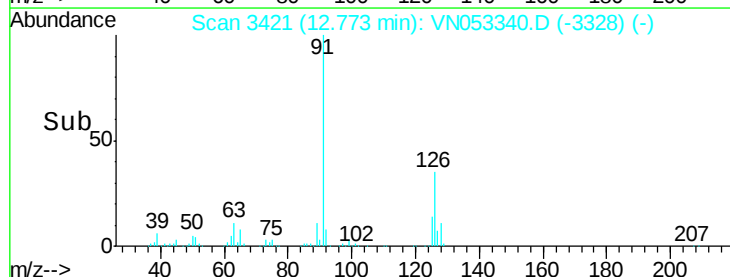
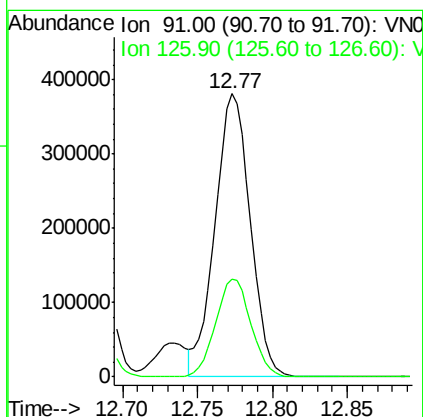
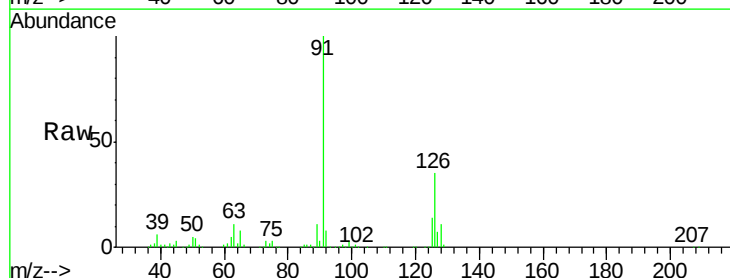
Acq: 10 Jan 2019 14:34

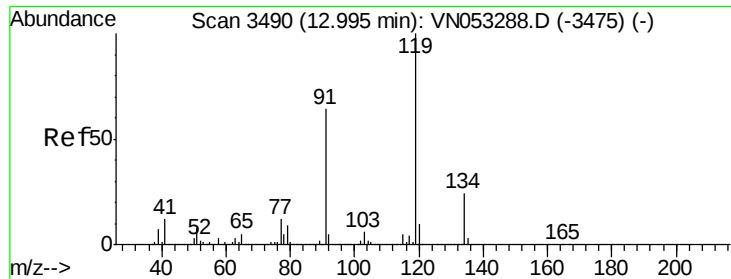
Tgt Ion: 91 Resp: 623122

Ion Ratio Lower Upper

91 100

126 34.7 17.4 52.2





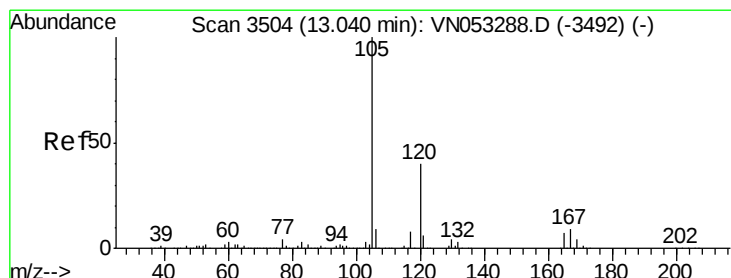
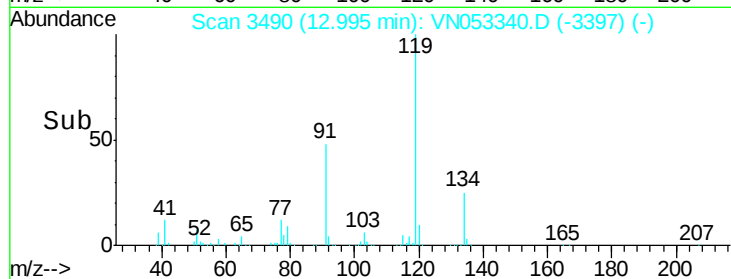
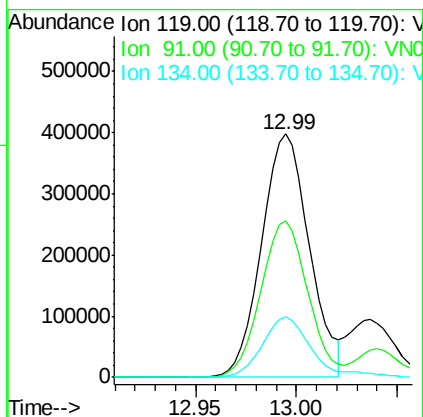
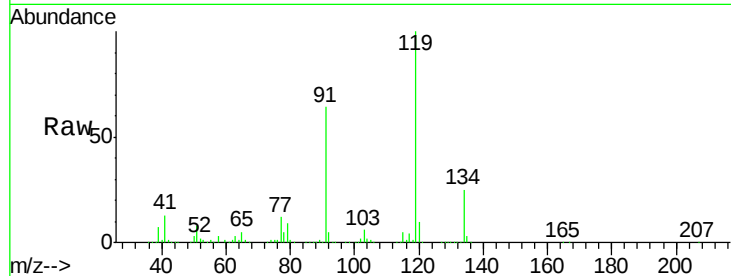
#83
 tert-Butylbenzene
 Concen: 21.630 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.6	95.0
134	25.6	12.9	38.6

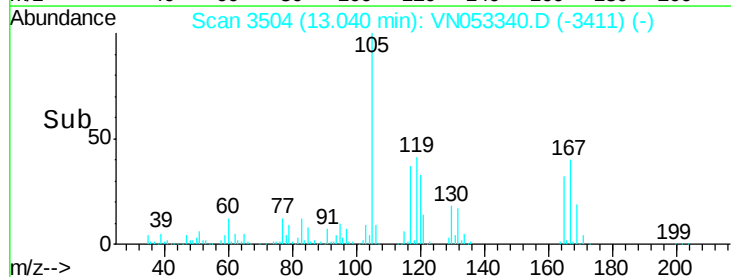
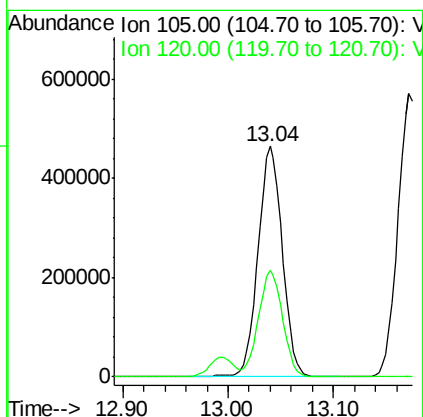
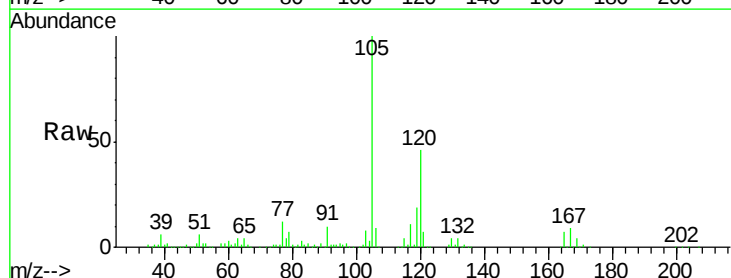
Manual Integrations
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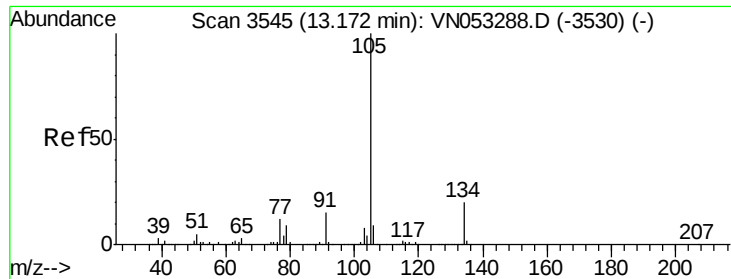
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.157 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0





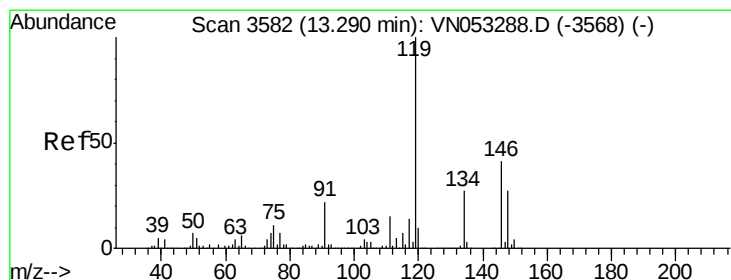
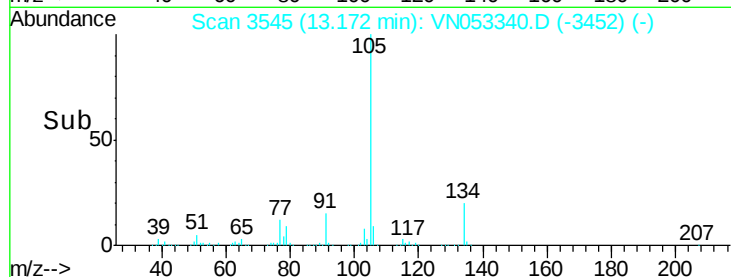
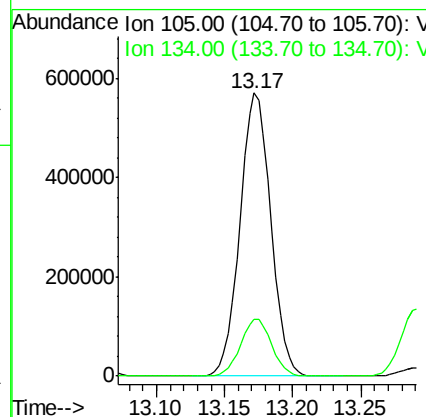
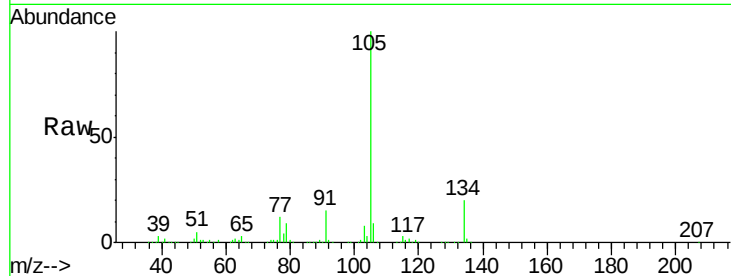
#85
 sec-Butylbenzene
 Concen: 22.300 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.6

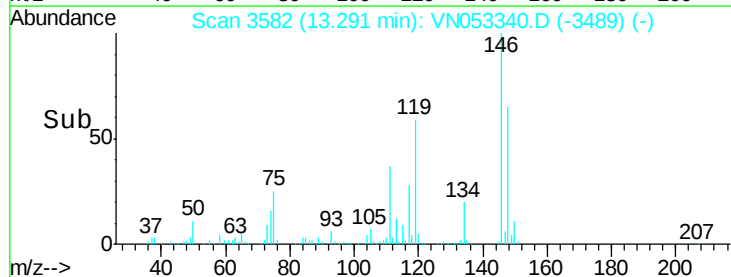
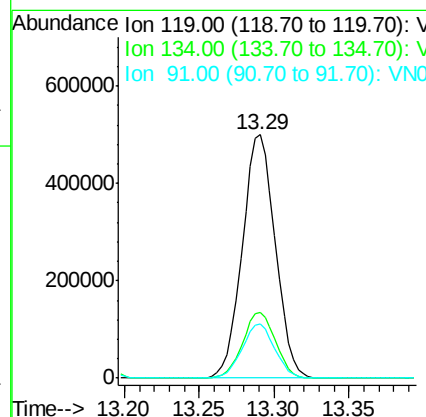
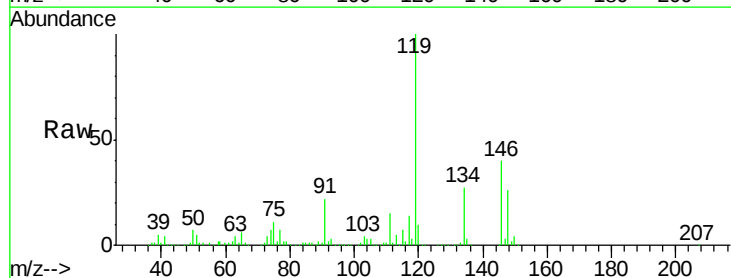
Manual Integrations
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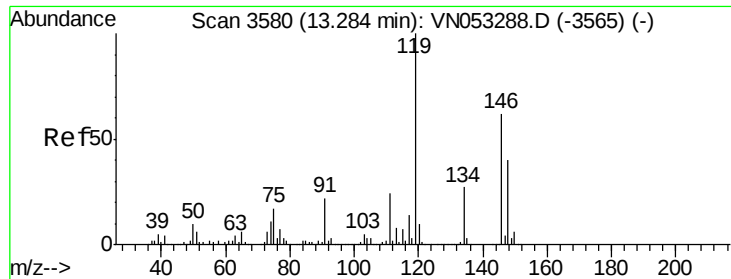
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#86
 p-Isopropyltoluene
 Concen: 22.002 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.1
91	22.1	11.1	33.1





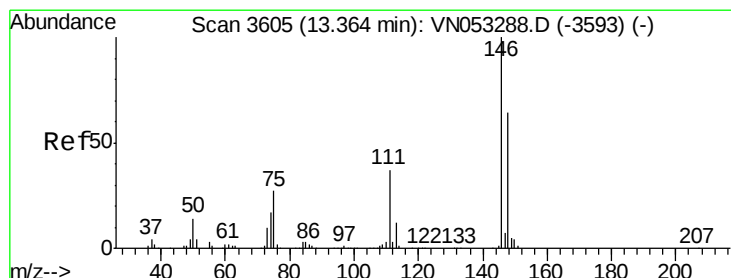
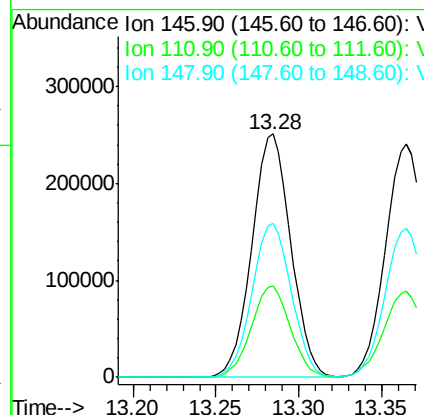
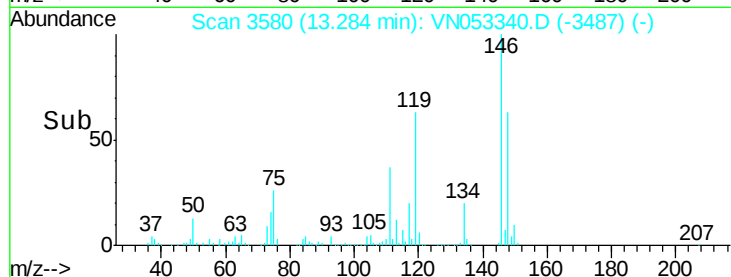
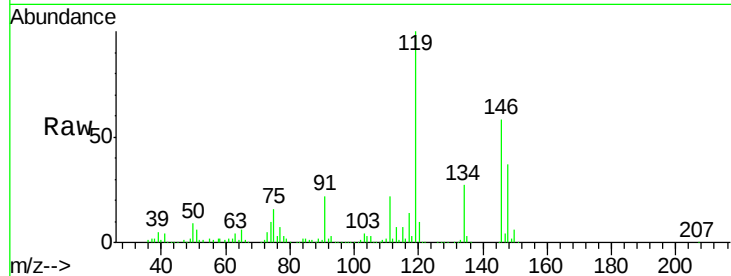
#87
 1,3-Dichlorobenzene
 Concen: 20.275 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	409703		
111	37.5	18.9	56.5	
148	64.0	32.0	96.2	

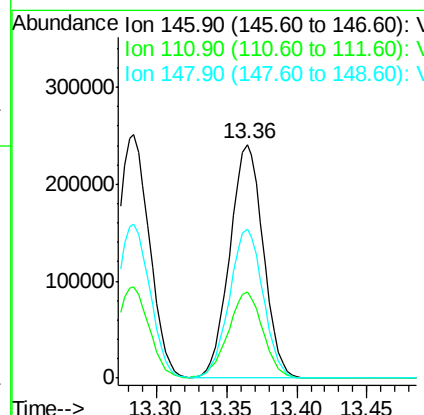
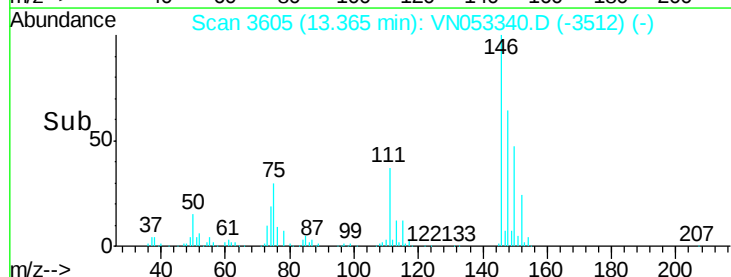
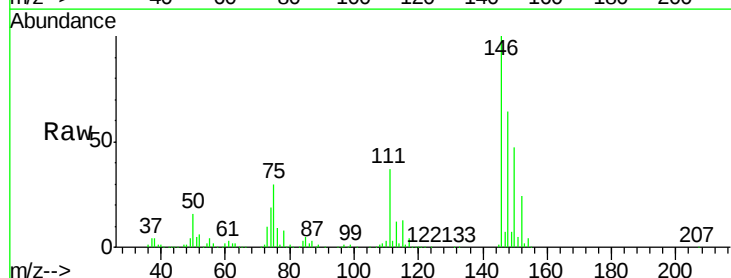
Manual Integrations
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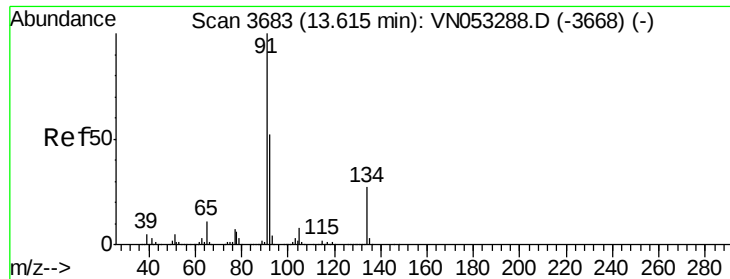
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#88
 1,4-Dichlorobenzene
 Concen: 19.943 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	399770		
111	38.2	18.6	55.8	
148	64.2	32.0	96.0	





#89

n-Butylbenzene

Concen: 21.601 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

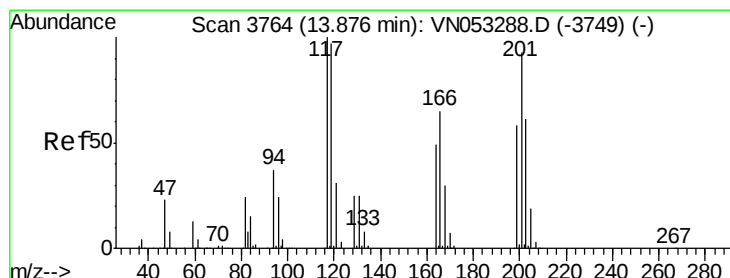
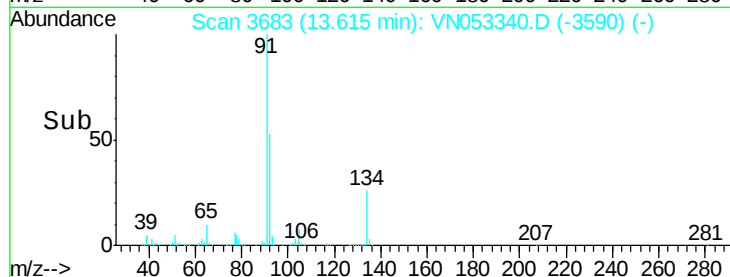
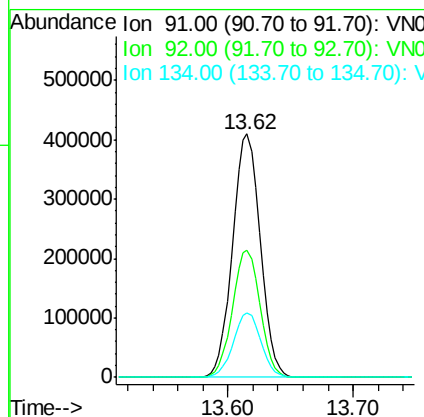
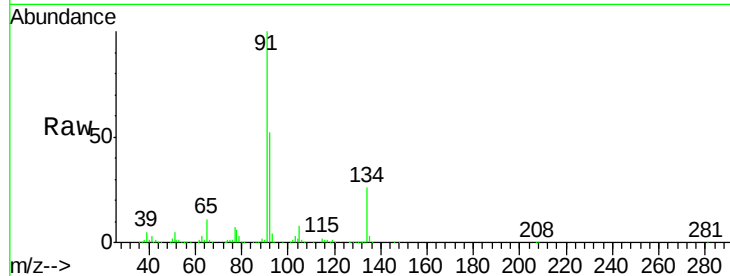
ClientSampleId :

VN0110WBS02

Tot Ion:	91	Resp:	628332
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.8
134	26.5	13.5	40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 19.857 ug/l

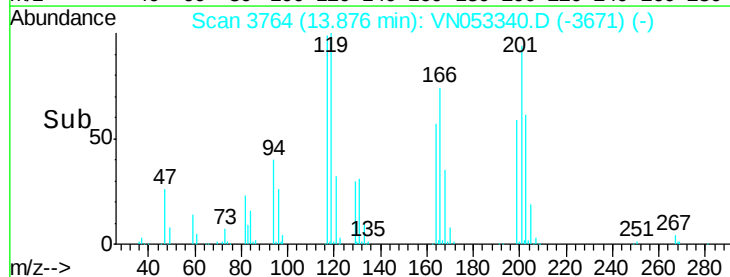
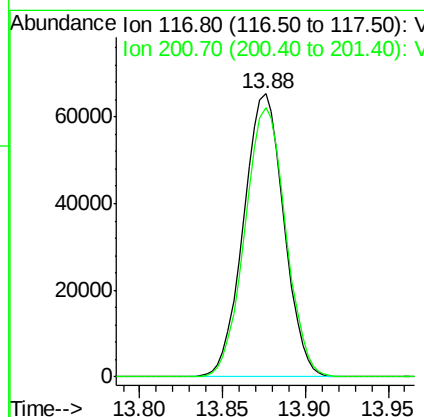
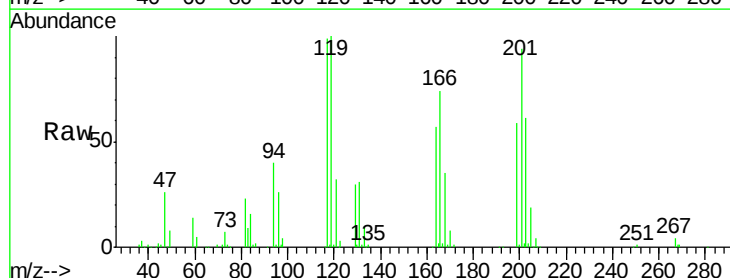
RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion:	117	Resp:	110422
Ion	Ratio	Lower	Upper
117	100		
201	96.2	46.1	138.3





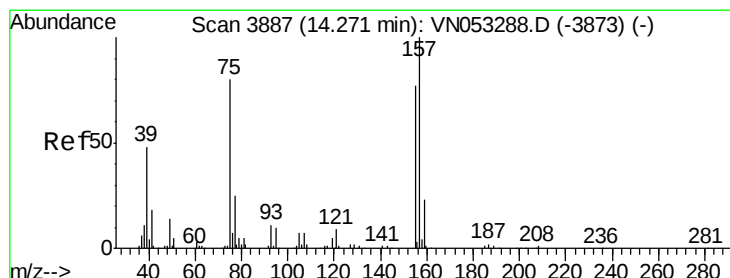
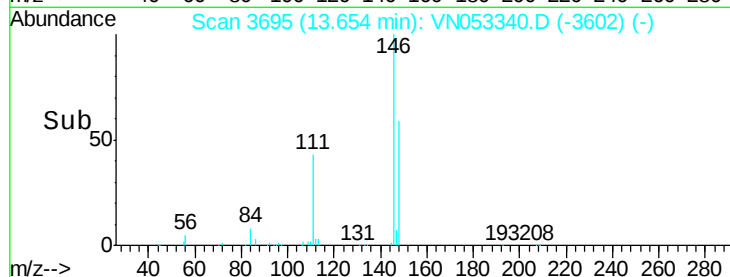
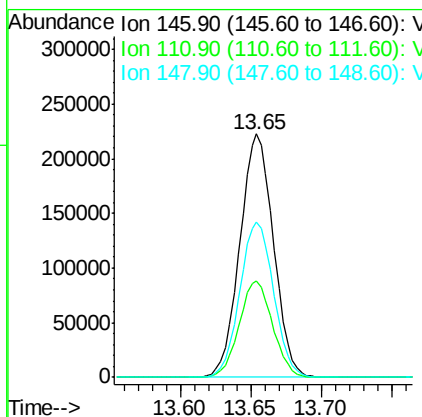
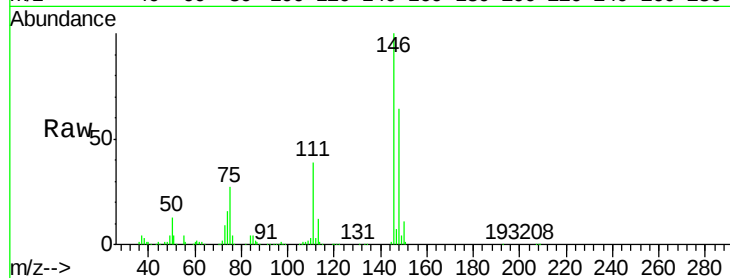
#91
 1,2-Dichlorobenzene
 Concen: 19.634 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.2
148	64.2	32.2	96.6

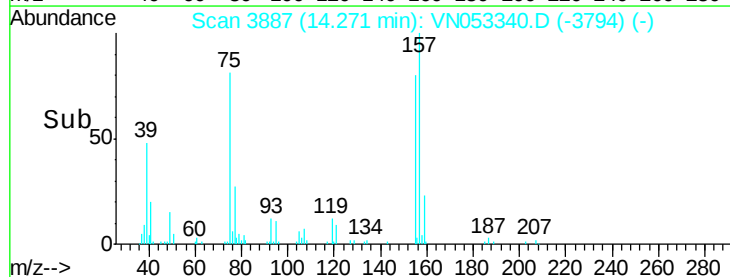
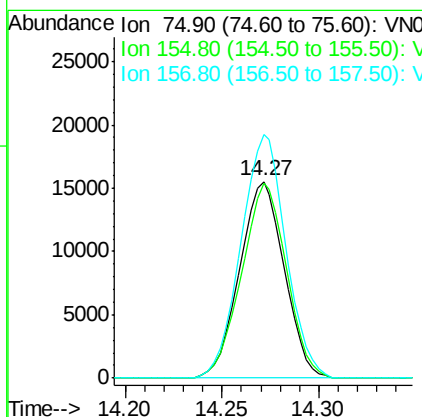
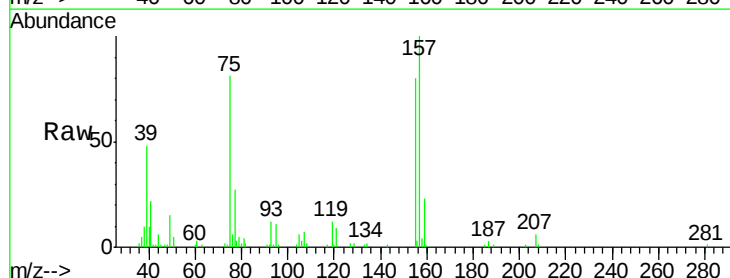
Manual Integrations
 APPROVED

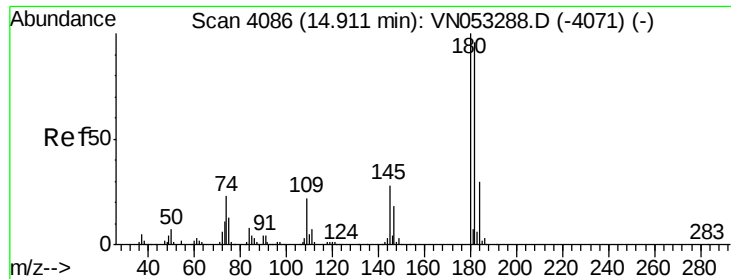
MMDadoda
 1/11/2019 10:11:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.756 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	48.1	144.3
157	125.0	61.5	184.4





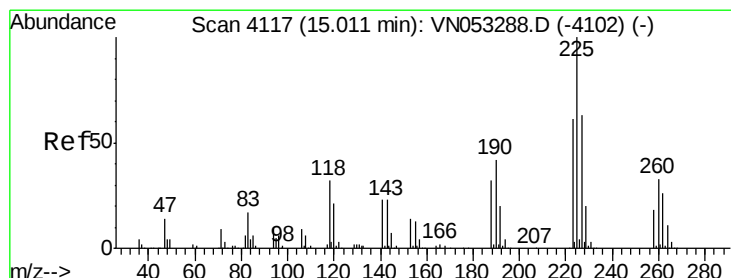
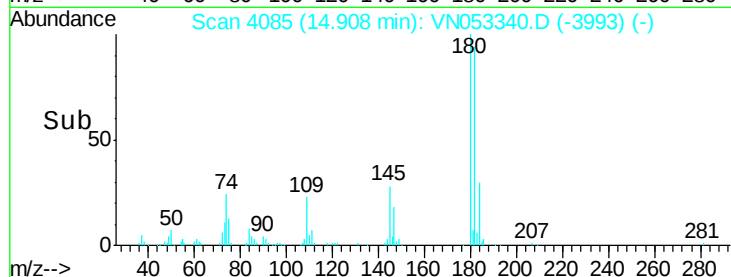
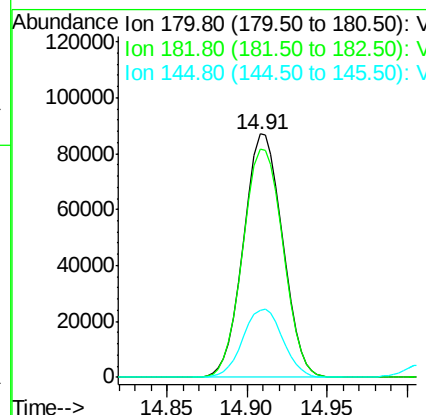
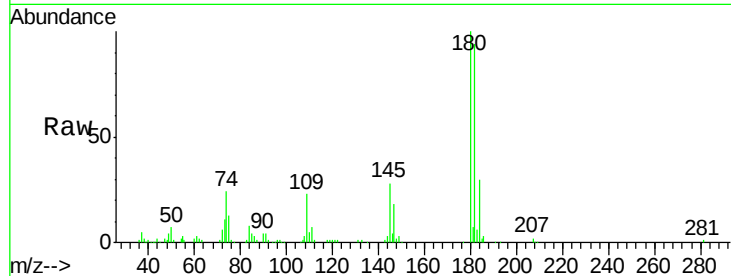
#93
 1,2,4-Trichlorobenzene
 Concen: 24.426 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.4
145	28.7	14.4	43.0

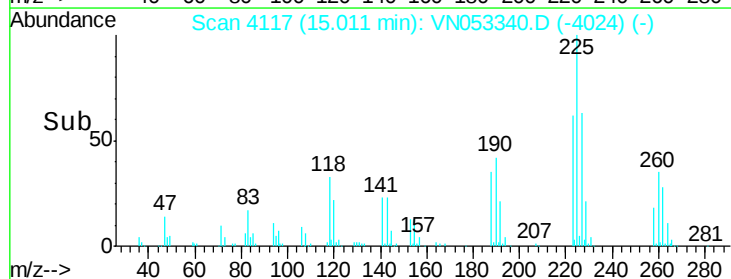
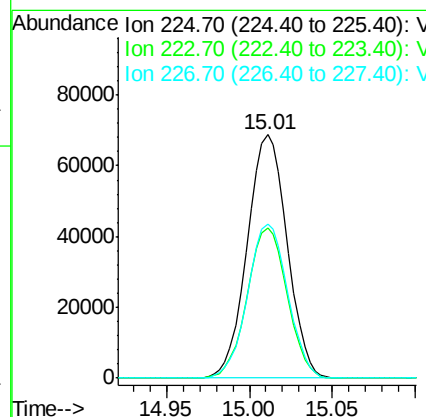
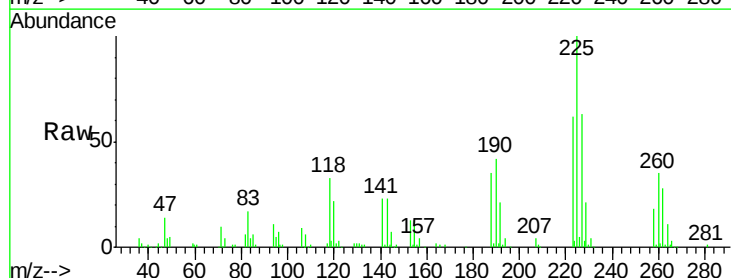
Manual Integrations
 APPROVED

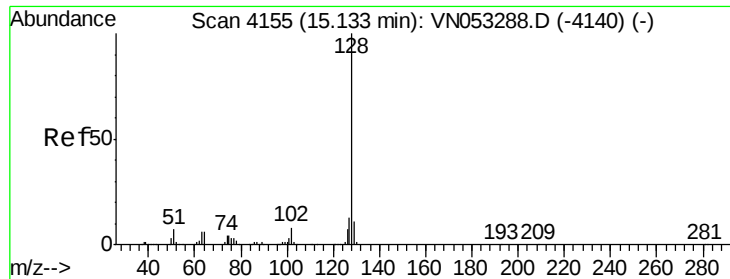
MMDadoda
 1/11/2019 10:11:56 AM



#94
 Hexachlorobutadiene
 Concen: 23.655 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053340.D
 Acq: 10 Jan 2019 14:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.9	92.8
227	63.3	31.4	94.2





#95

Naphthalene

Concen: 25.560 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Instrument :

MSVOA_N

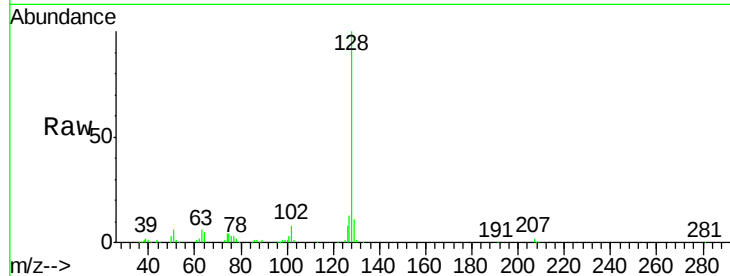
ClientSampleId :

VN0110WBS02

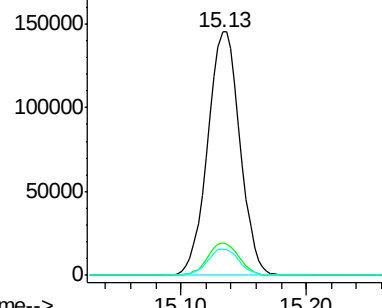
Tot Ion:	128	Resp:	259507
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.6	8.7	13.1

Manual Integrations
APPROVED

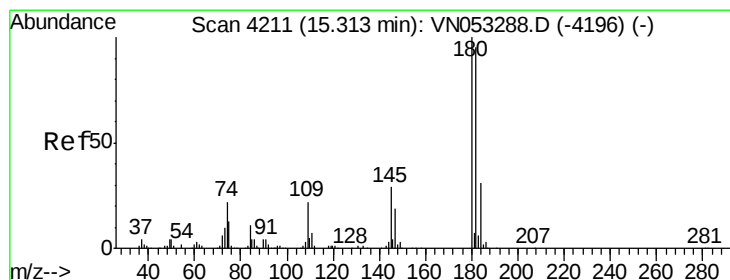
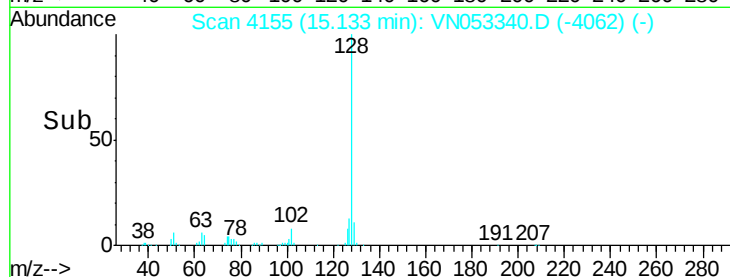
MMDadoda
1/11/2019 10:11:56 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 27.027 ug/l

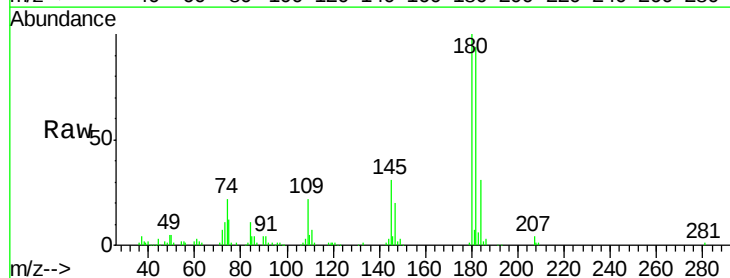
RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

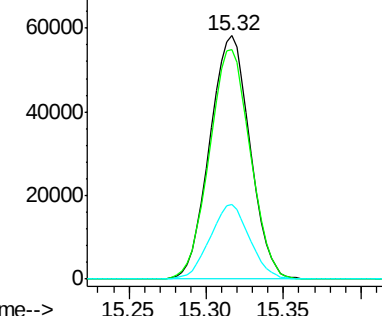
Lab File: VN053340.D

Acq: 10 Jan 2019 14:34

Tgt Ion:	180	Resp:	105313
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.4	145.0
145	30.1	14.9	44.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

