

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055051.D
 Acq On : 15 Apr 2019 19:08
 Operator : JC/SP
 Sample : VN0415WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:06:19 AM

Quant Time: Apr 16 06:50:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	386709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	652043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	561485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	261580	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	7.59	113	210861	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	10.09	98	773196	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	254396	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	87674	19.950	ug/l	98
3) Chloromethane	2.06	50	119308	20.814	ug/l	96
4) Vinyl Chloride	2.19	62	97018	20.137	ug/l	98
5) Bromomethane	2.55	94	55271	20.278	ug/l	94
6) Chloroethane	2.70	64	53087	20.432	ug/l	92
7) Trichlorofluoromethane	3.02	101	122202	20.281	ug/l	99
8) Diethyl Ether	3.41	74	39545	20.560	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62665	19.873	ug/l	98
10) Methyl Iodide	3.94	142	93729	19.154	ug/l	99
11) Tert butyl alcohol	4.82	59	27717	98.371	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	61316	19.977	ug/l	99
13) Acrolein	3.60	56	31948	91.733	ug/l	96
14) Allyl chloride	4.32	41	152043	20.237	ug/l	99
15) Acrylonitrile	4.99	53	174384	103.445	ug/l	99
16) Acetone	3.82	43	117299	84.075	ug/l	100
17) Carbon Disulfide	4.04	76	185197	18.692	ug/l	100
18) Methyl Acetate	4.33	43	86979	21.380	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	230090	20.956	ug/l	98
20) Methylene Chloride	4.54	84	96479	19.671	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	84206	20.284	ug/l	95
22) Diisopropyl ether	5.96	45	326700	21.153	ug/l	96
23) Vinyl Acetate	5.90	43	1086222	106.402	ug/l	100
24) 1,1-Dichloroethane	5.84	63	170419	20.721	ug/l	99
25) 2-Butanone	6.85	43	206297	99.073	ug/l	97
26) 2,2-Dichloropropane	6.82	77	101532	19.559	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	97583	20.778	ug/l	100
28) Bromochloromethane	7.19	49	82835	20.893	ug/l	98
29) Tetrahydrofuran	7.22	42	141533	103.649	ug/l	99
30) Chloroform	7.37	83	163348	20.447	ug/l	99
31) Cyclohexane	7.65	56	155898	20.708	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	128790	20.348	ug/l	99
36) 1,1-Dichloropropene	7.79	75	117401	19.100	ug/l	100
37) Ethyl Acetate	6.94	43	91412	18.267	ug/l	99
38) Carbon Tetrachloride	7.77	117	106240	18.167	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	125589	18.855	ug/l	99
40) Benzene	8.04	78	370608	20.005	ug/l	99
41) Methacrylonitrile	7.18	41	49131	17.687	ug/l	96
42) 1,2-Dichloroethane	8.12	62	128017	19.903	ug/l	99
43) Isopropyl Acetate	8.17	43	151587	19.659	ug/l	99
44) Trichloroethene	8.83	130	94181	20.297	ug/l	98
45) 1,2-Dichloropropane	9.12	63	104499	20.226	ug/l	99
46) Dibromomethane	9.21	93	59636	20.279	ug/l	99
47) Bromodichloromethane	9.40	83	118817	19.597	ug/l	99
48) Methyl methacrylate	9.20	41	74421	19.472	ug/l	98
49) 1,4-Dioxane	9.21	88	14023	391.635	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	440992	98.996	ug/l	99
52) Toluene	10.16	92	215618	20.322	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	102205	19.290	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	129965	19.763	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	79418	19.428	ug/l	98
56) Ethyl methacrylate	10.43	69	98891	20.157	ug/l	99
57) 1,3-Dichloropropane	10.71	76	141441	20.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	193456	96.659	ug/l	99
59) 2-Hexanone	10.75	43	273481	97.743	ug/l	97
60) Dibromochloromethane	10.90	129	78066	19.557	ug/l	99
61) 1,2-Dibromoethane	11.00	107	75750	20.133	ug/l	99
64) Tetrachloroethene	10.63	164	88355	19.352	ug/l	99
65) Chlorobenzene	11.43	112	224867	19.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	81077	19.504	ug/l	99
67) Ethyl Benzene	11.51	91	402446	19.939	ug/l	99
68) m/p-Xylenes	11.62	106	296549	40.574	ug/l	100
69) o-Xylene	11.95	106	145248	20.518	ug/l	100
70) Styrene	11.96	104	238214	20.789	ug/l	99
71) Bromoform	12.13	173	47119	19.776	ug/l #	99
73) Isopropylbenzene	12.25	105	384400	18.850	ug/l	99
74) N-amyl acetate	12.07	43	111778	19.472	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	98966	18.137	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	86293m	20.882	ug/l	
77) Bromobenzene	12.53	156	94723	18.632	ug/l	99
78) n-propylbenzene	12.59	91	424736	19.278	ug/l	99
79) 2-Chlorotoluene	12.67	91	262289	19.086	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	313888	19.074	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19316	18.691	ug/l	97
82) 4-Chlorotoluene	12.77	91	247250	19.284	ug/l	98
83) tert-Butylbenzene	12.99	119	265846	19.128	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	303589	19.466	ug/l	99
85) sec-Butylbenzene	13.17	105	339457	19.168	ug/l	99
86) p-Isopropyltoluene	13.29	119	295422	19.444	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	149384	19.332	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	145321	19.721	ug/l	99
89) n-Butylbenzene	13.61	91	215888	19.141	ug/l	99
90) Hexachloroethane	13.87	117	44996	18.201	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	153025	19.682	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11743	17.476	ug/l	95

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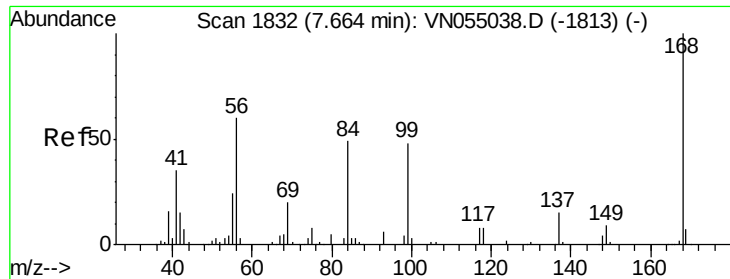
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	57143	18.023	ug/l	97
94) Hexachlorobutadiene	15.01	225	47409	19.742	ug/l	97
95) Naphthalene	15.13	128	124658	17.268	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	59466	19.826	ug/l	98

(#) = 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: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion:168 Resp: 386709

Ion Ratio Lower Upper

168 100

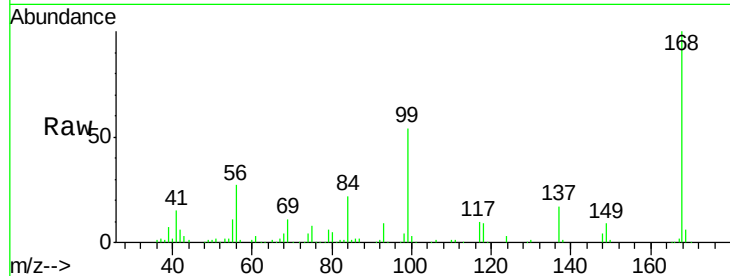
99 52.6 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

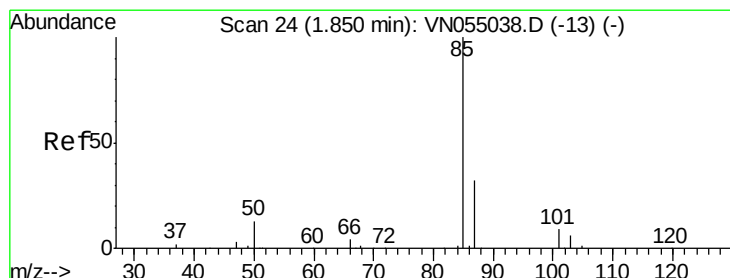
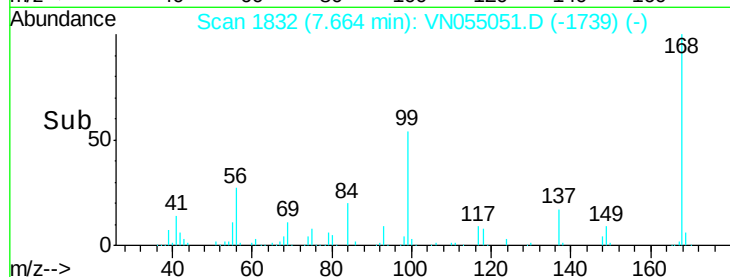
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 19.950 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055051.D

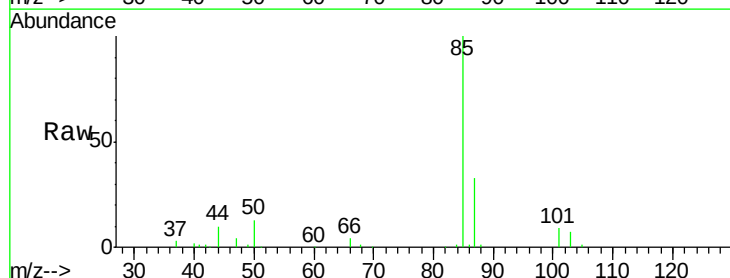
Acq: 15 Apr 2019 19:08

Tgt Ion: 85 Resp: 87674

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

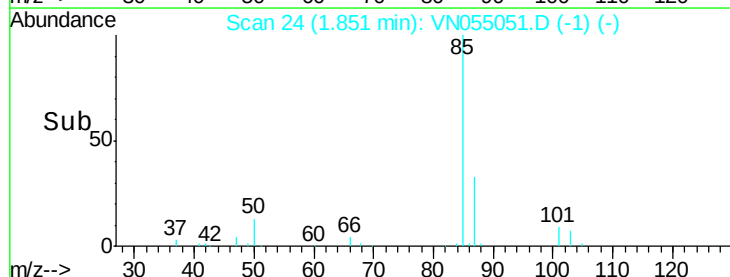
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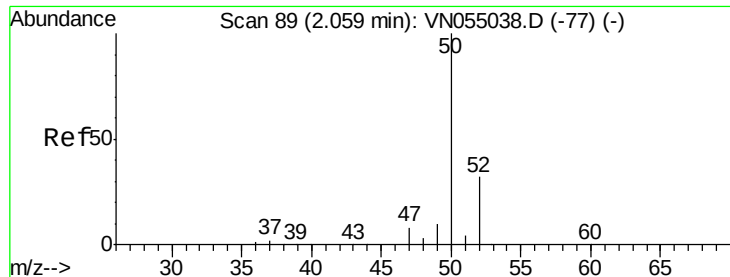
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 20.814 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 50 Resp: 119308

Ion Ratio Lower Upper

50 100

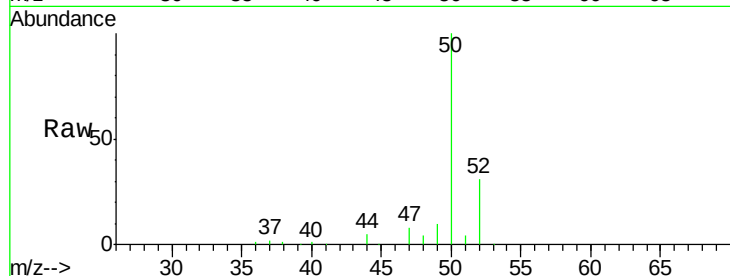
52 31.0 26.6 40.0

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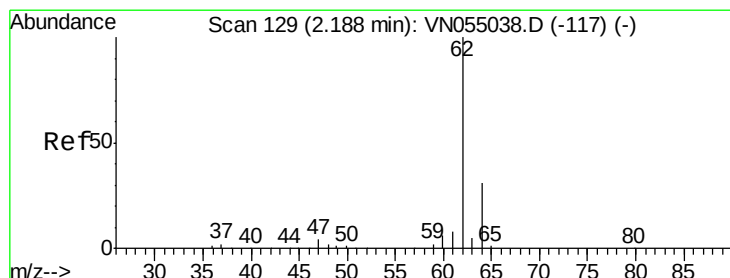
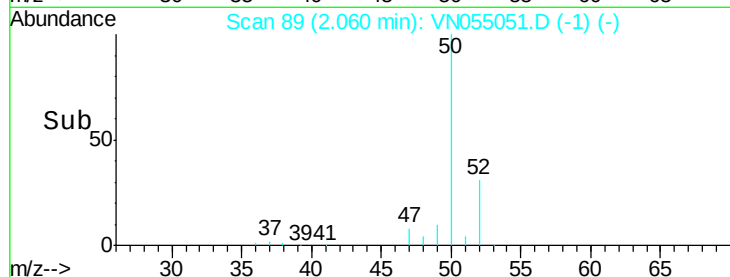
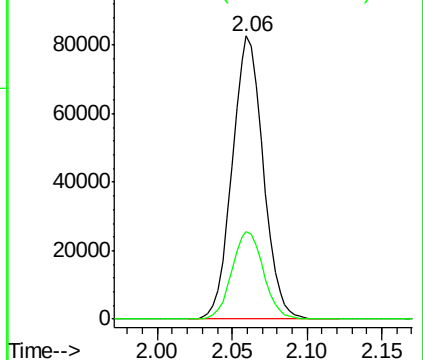
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.137 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055051.D

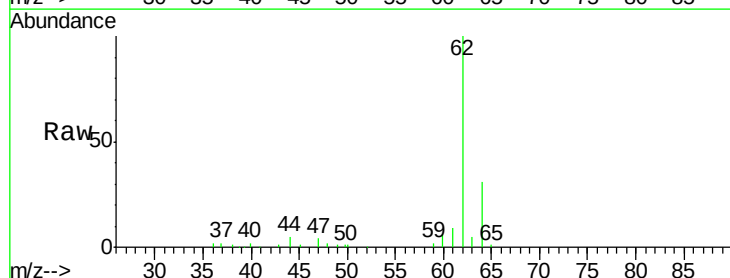
Acq: 15 Apr 2019 19:08

Tgt Ion: 62 Resp: 97018

Ion Ratio Lower Upper

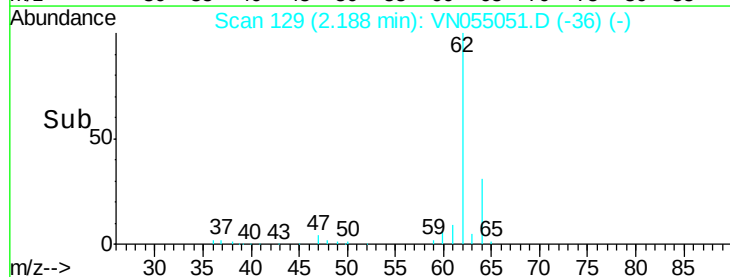
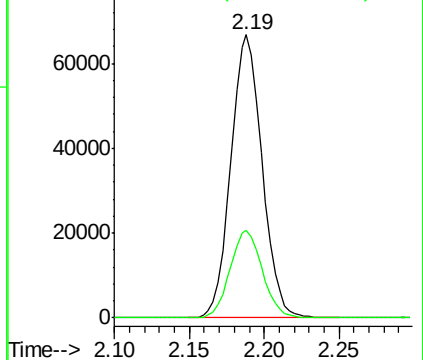
62 100

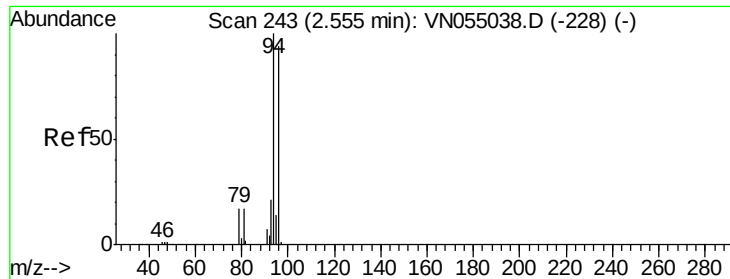
64 31.1 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.278 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 94 Resp: 55271

Ion Ratio Lower Upper

94 100

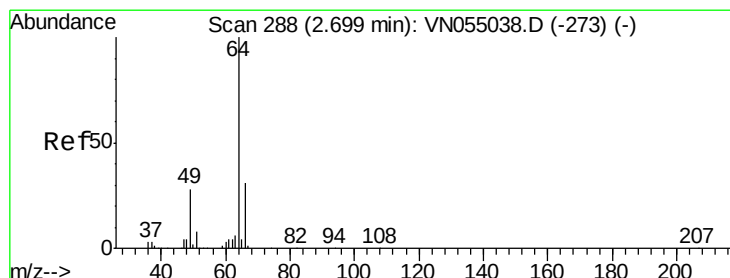
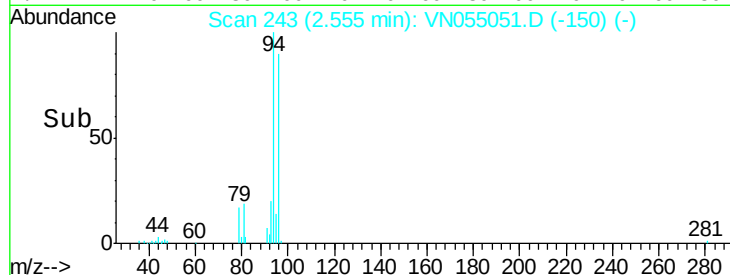
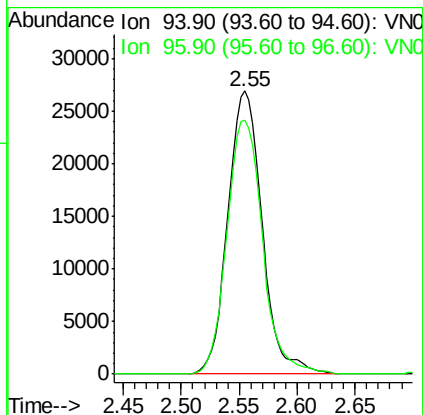
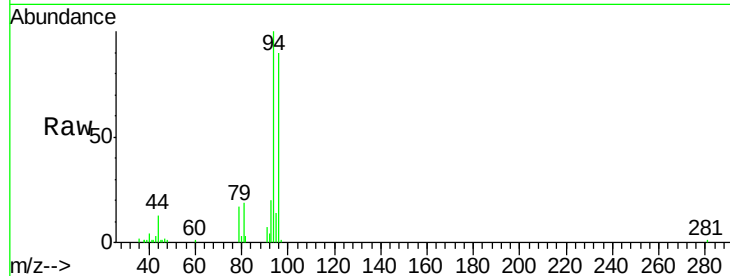
96 89.7 76.2 114.4

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#6

Chloroethane

Concen: 20.432 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055051.D

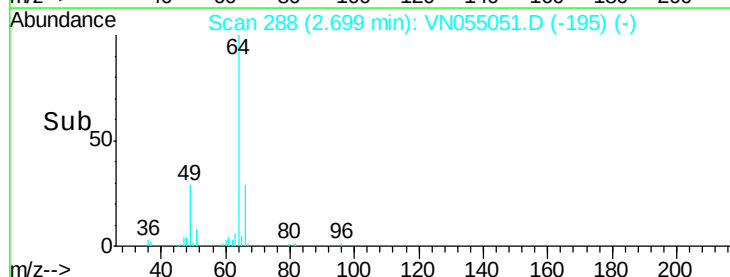
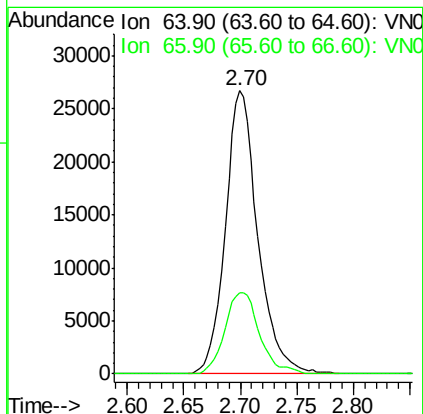
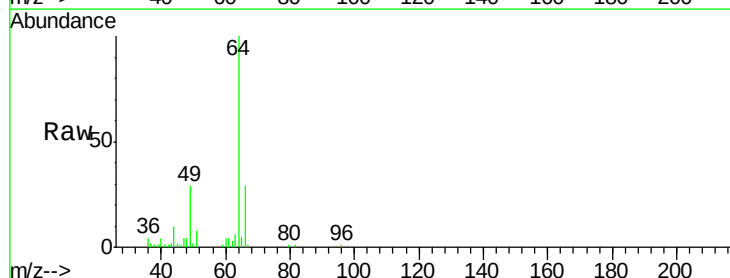
Acq: 15 Apr 2019 19:08

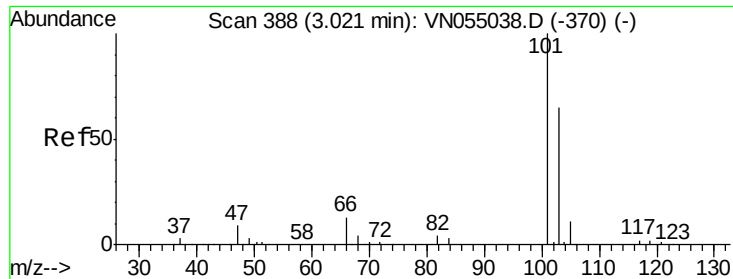
Tgt Ion: 64 Resp: 53087

Ion Ratio Lower Upper

64 100

66 28.8 26.6 40.0





#7

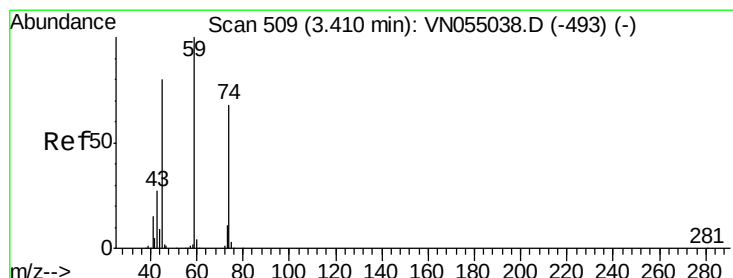
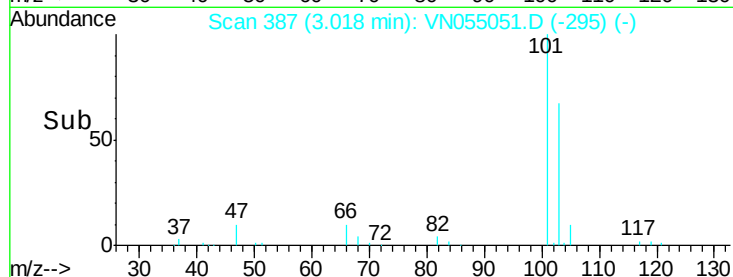
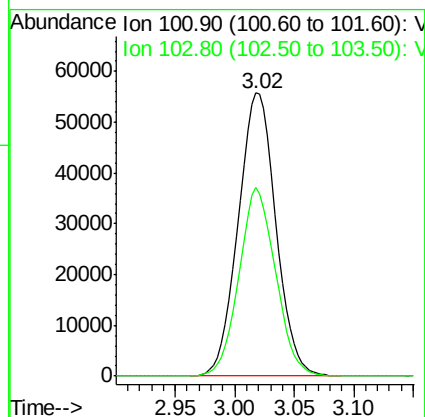
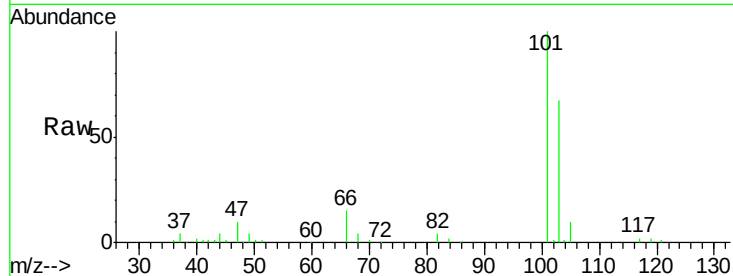
Trichlorofluoromethane
Concen: 20.281 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
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ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.5	78.7

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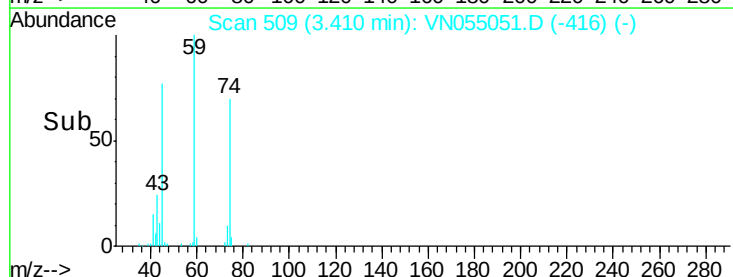
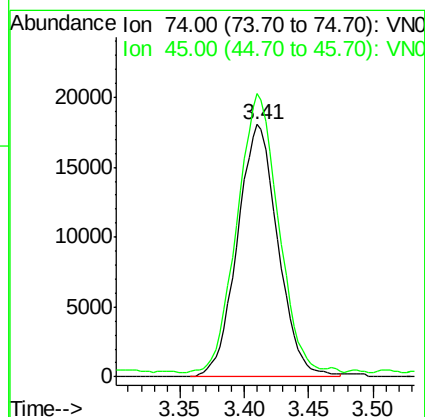
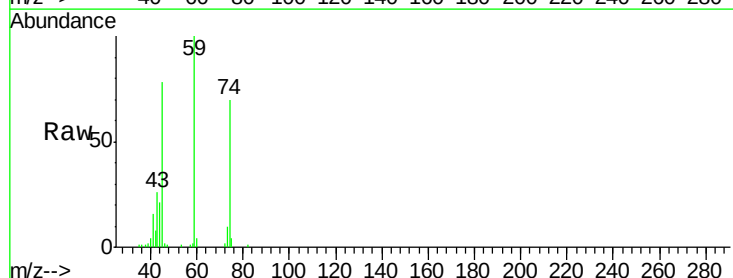
MMDadoda
4/17/2019 10:06:19 AM

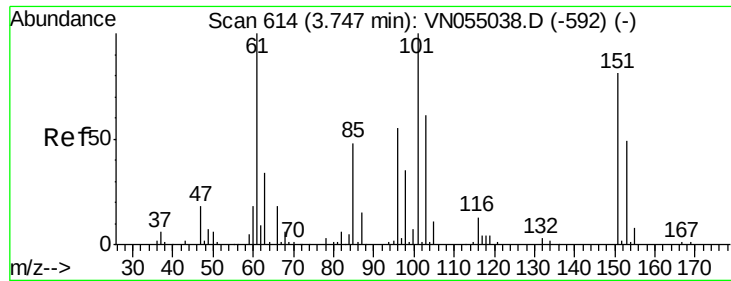


#8

Diethyl Ether
Concen: 20.560 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.5	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.873 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

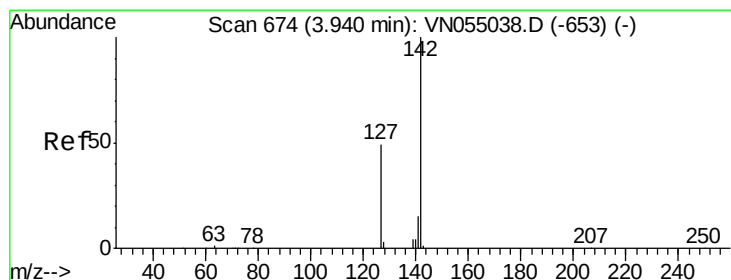
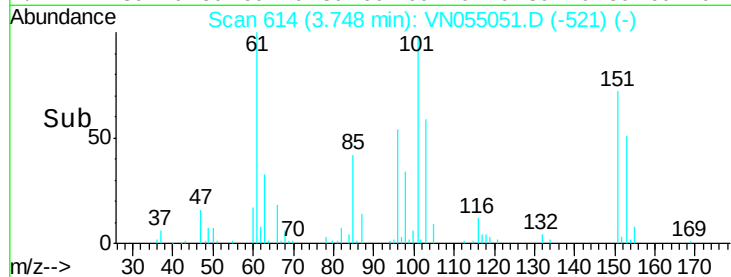
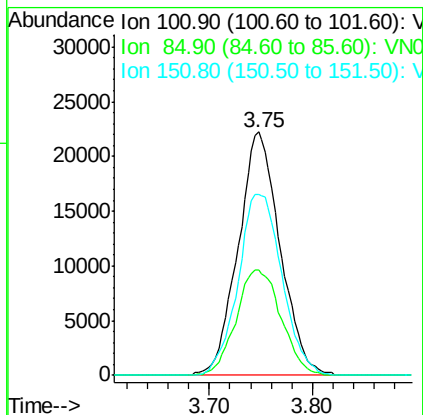
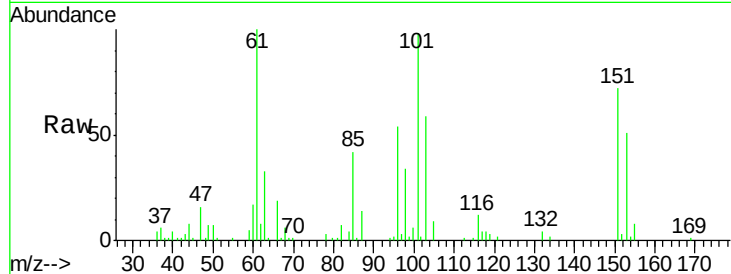
ClientSampleId :

VN0415WBS01

Tot Ion:	101	Resp:	62665
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.9	55.3
151	77.9	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.154 ug/l

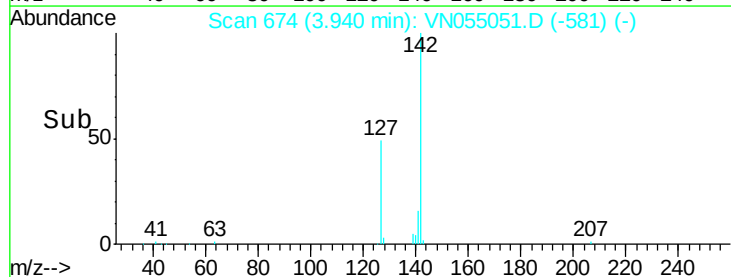
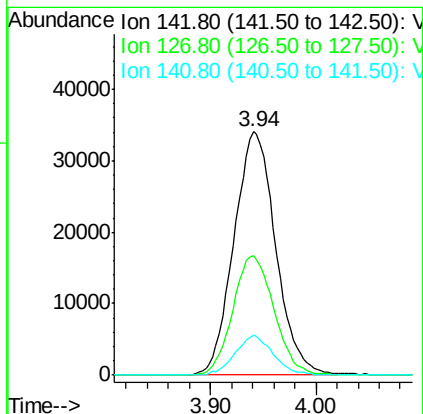
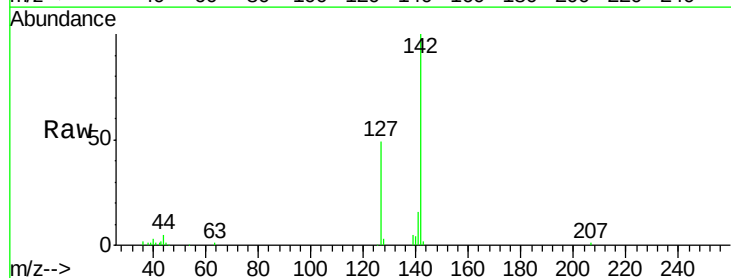
RT: 3.94 min Scan# 674

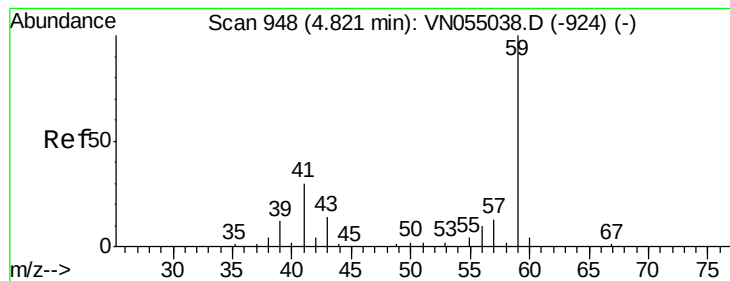
Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion:	142	Resp:	93729
Ion Ratio	Lower	Upper	
142	100		
127	48.4	37.9	56.9
141	14.8	11.8	17.8





#11

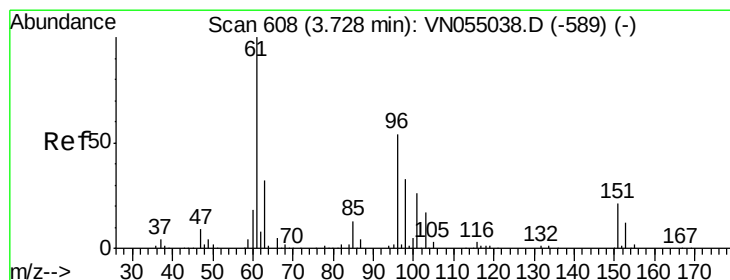
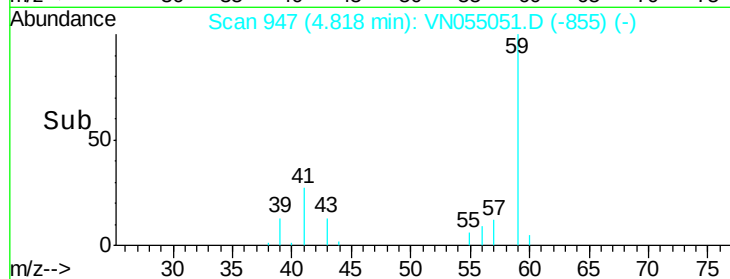
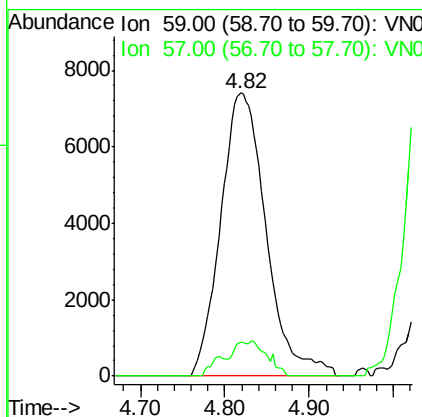
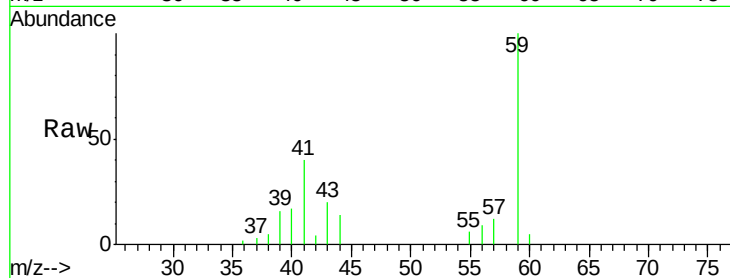
Tert butyl alcohol
 Concen: 98.371 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

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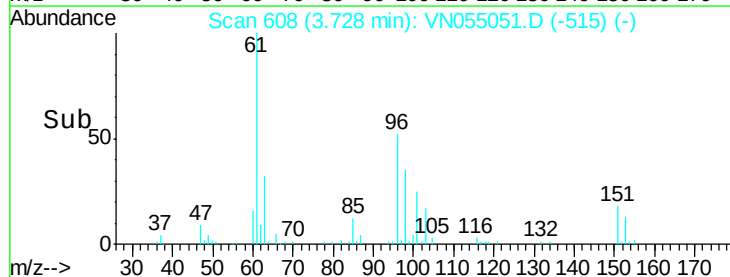
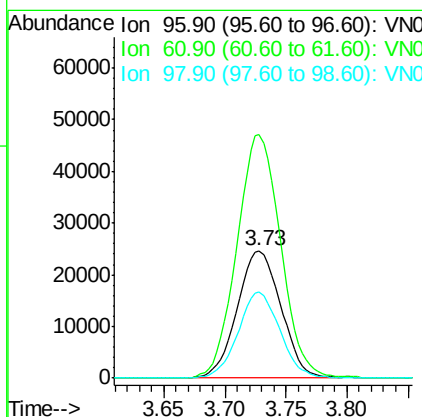
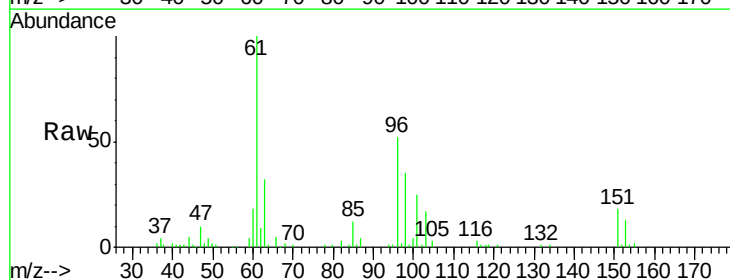
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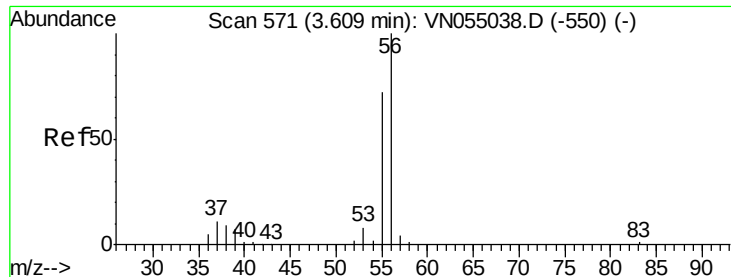


#12

1,1-Dichloroethene
 Concen: 19.977 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.7	154.2	231.4
98	67.5	52.9	79.3





#13

Acrolein

Concen: 91.733 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 56 Resp: 31948

Ion Ratio Lower Upper

56 100

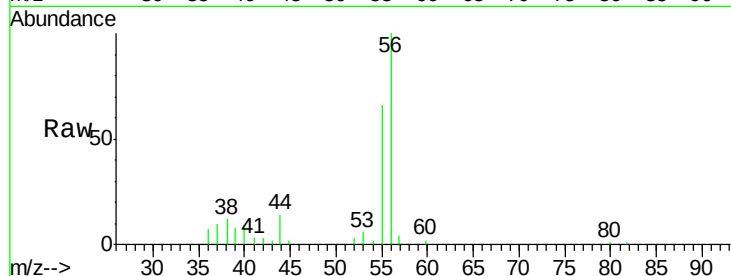
55 70.8 59.5 89.3

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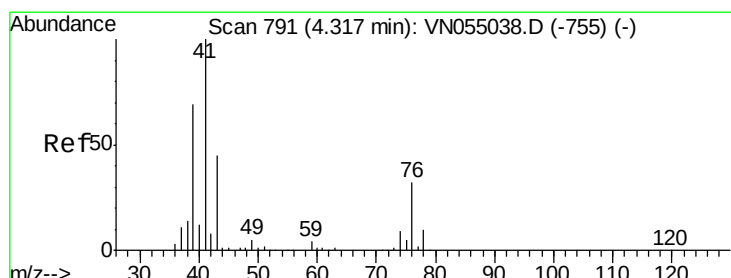
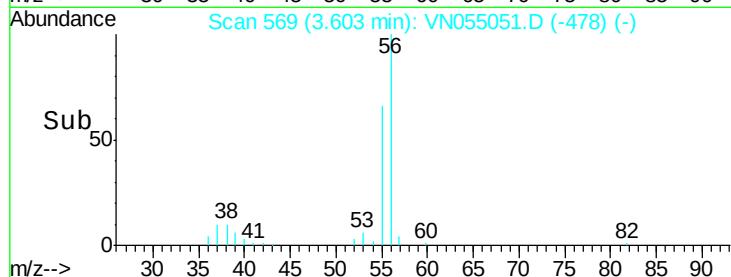
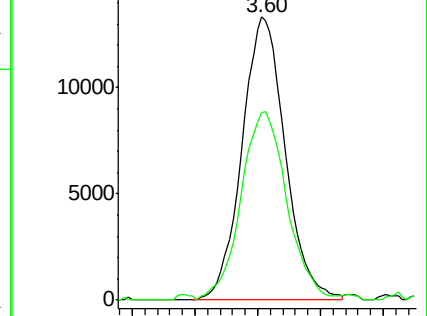
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.237 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

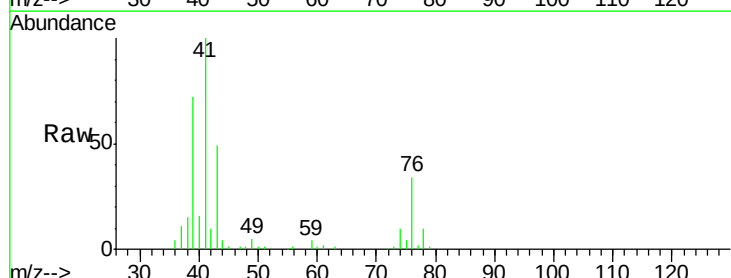
Tgt Ion: 41 Resp: 152043

Ion Ratio Lower Upper

41 100

39 65.2 52.7 79.1

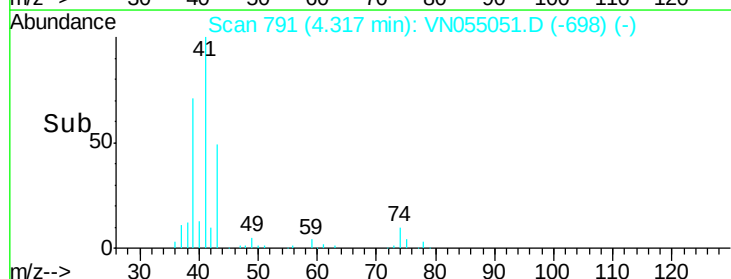
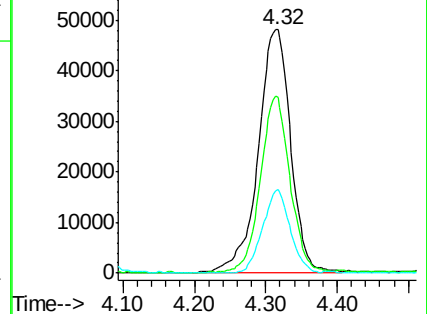
76 28.9 23.2 34.8

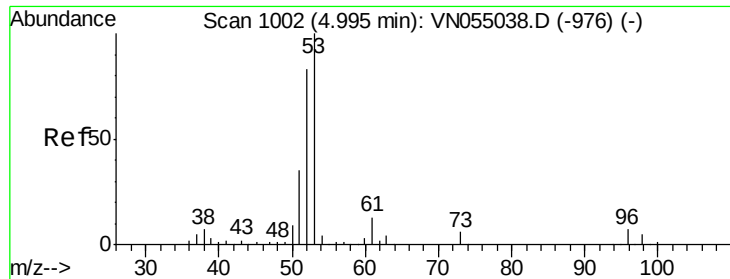


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.445 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

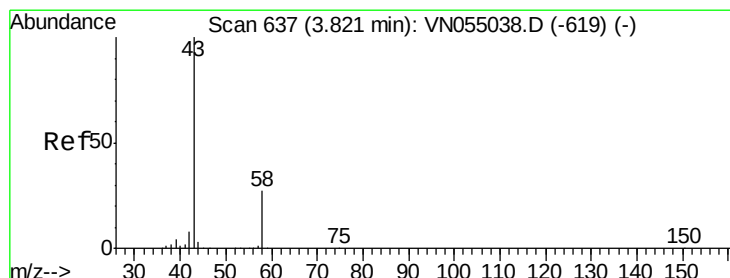
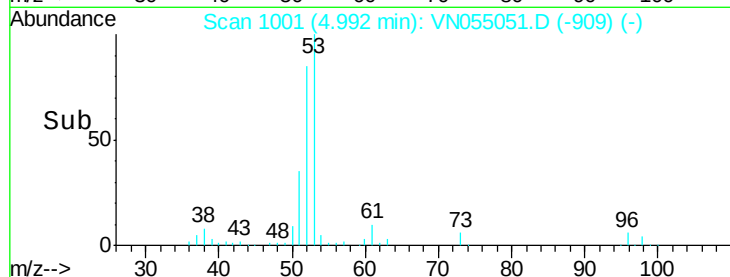
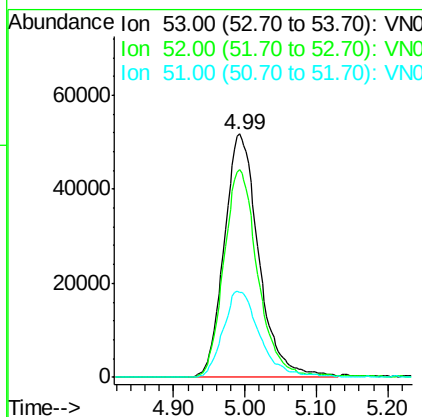
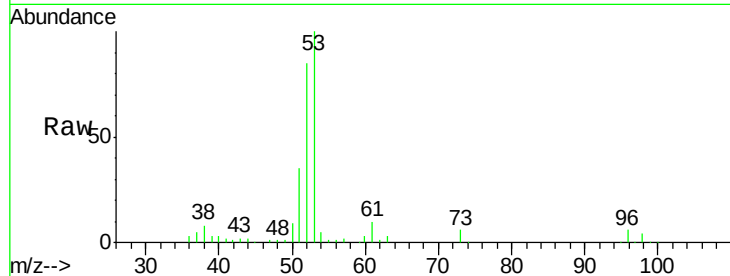
ClientSampleId :

VN0415WBS01

Tot Ion:	53	Resp:	174384
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.9	98.9
51	37.1	29.7	44.5

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#16

Acetone

Concen: 84.075 ug/l

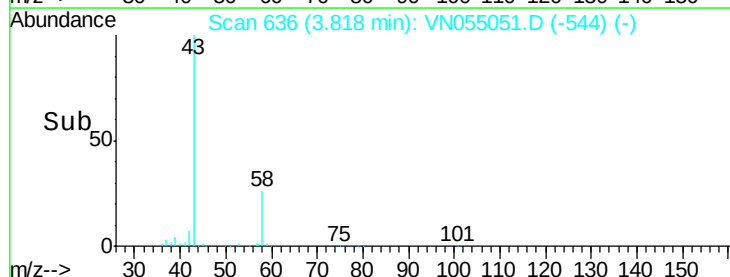
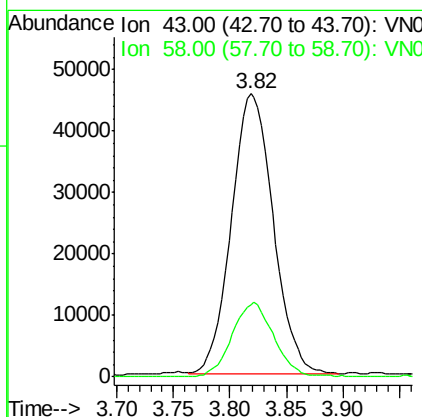
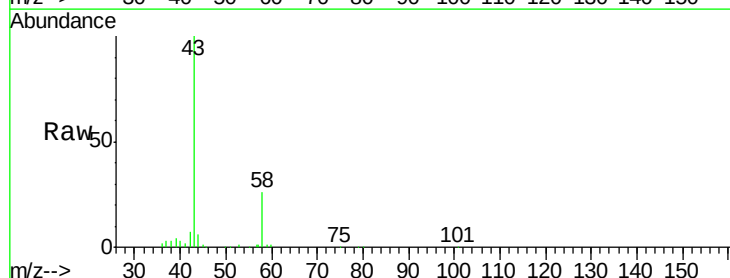
RT: 3.82 min Scan# 636

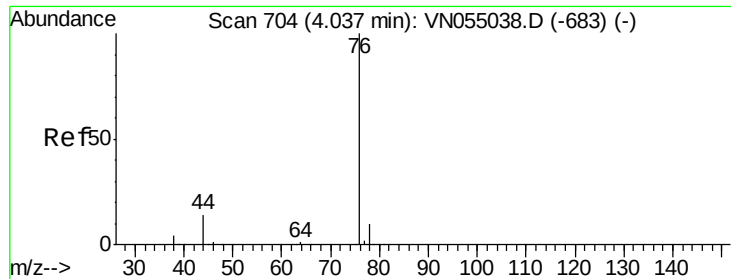
Delta R.T. -0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion:	43	Resp:	117299
Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.9	31.3





#17

Carbon Disulfide

Concen: 18.692 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

ClientSampled :

VN0415WBS01

Tot Ion: 76 Resp: 185197

Ion Ratio Lower Upper

76 100

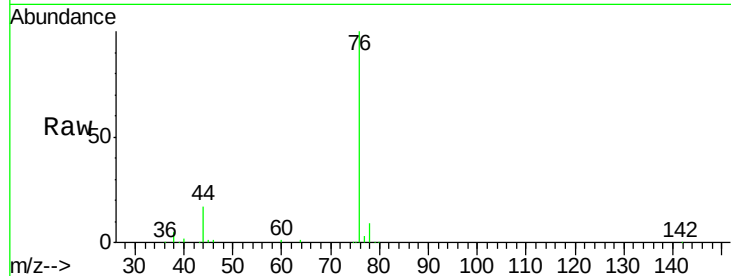
78 9.1 7.2 10.8

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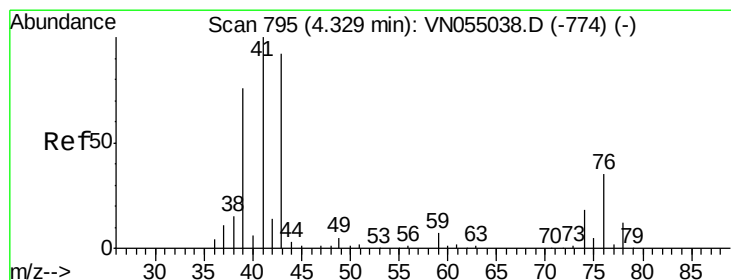
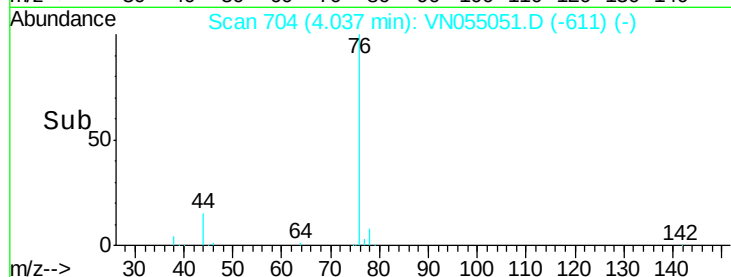
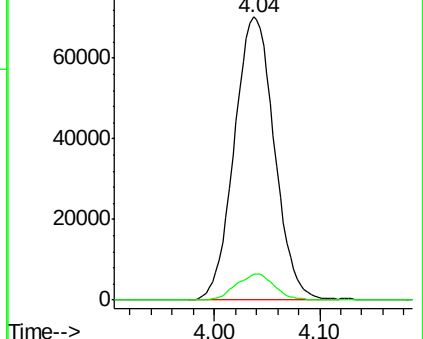
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.380 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055051.D

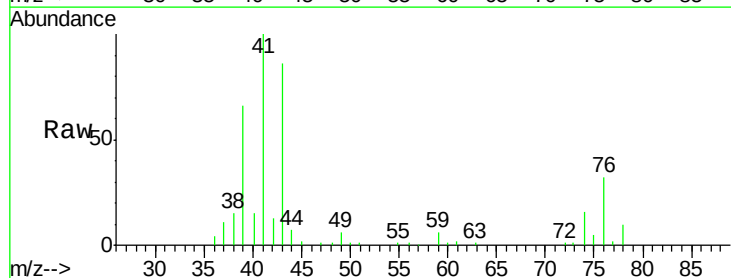
Acq: 15 Apr 2019 19:08

Tgt Ion: 43 Resp: 86979

Ion Ratio Lower Upper

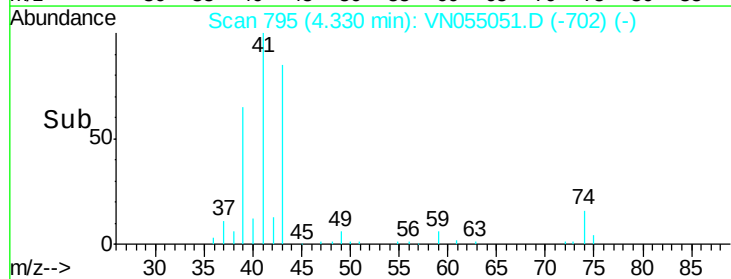
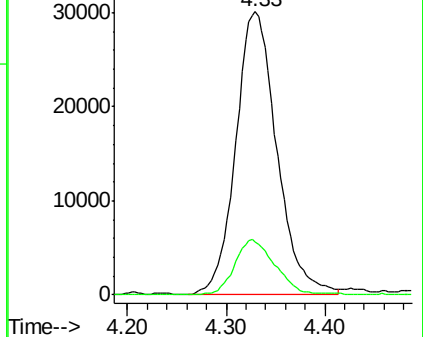
43 100

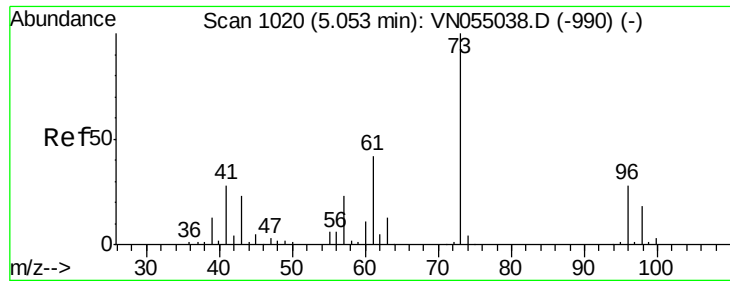
74 19.2 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 20.956 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

ClientSampled :

VN0415WBS01

Tot Ion: 73 Resp: 230090

Ion Ratio Lower Upper

73 100

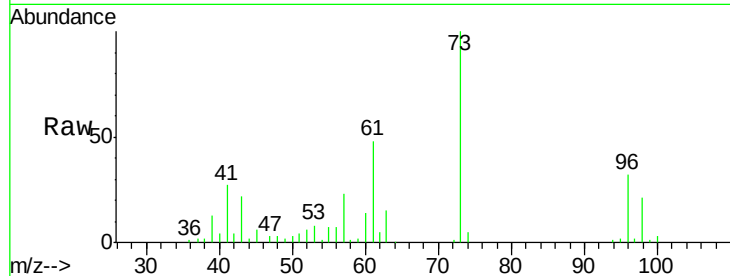
57 23.0 19.0 28.4

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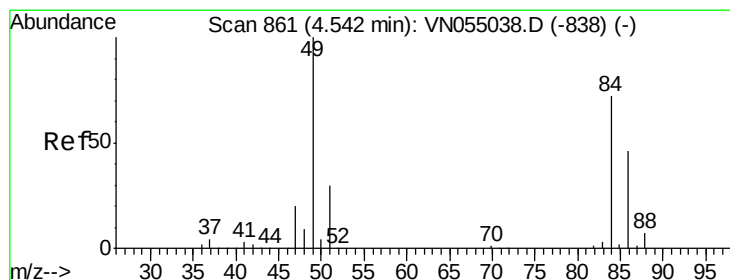
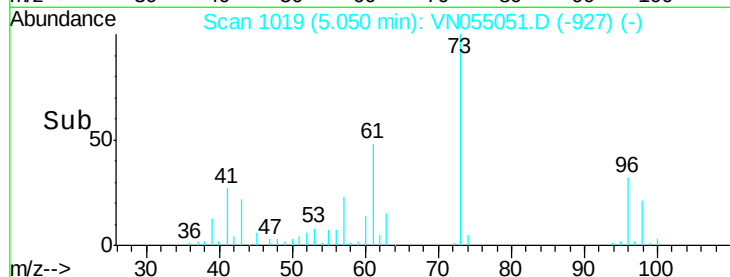
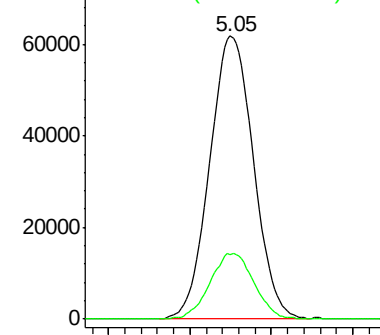
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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 19.671 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion: 84 Resp: 96479

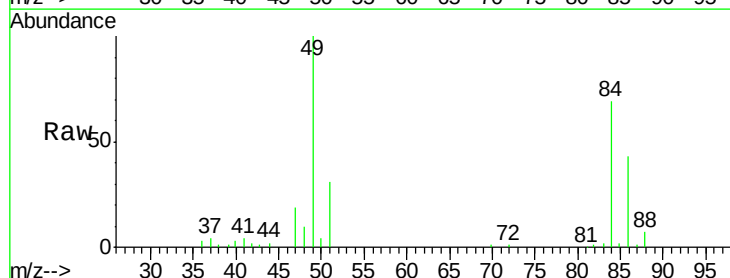
Ion Ratio Lower Upper

84 100

49 144.6 109.4 164.2

51 44.6 32.2 48.4

86 62.1 49.3 73.9

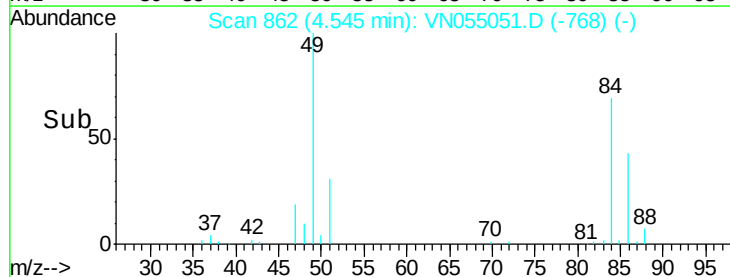
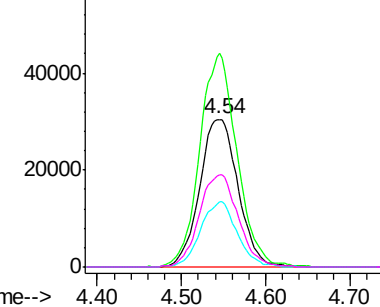


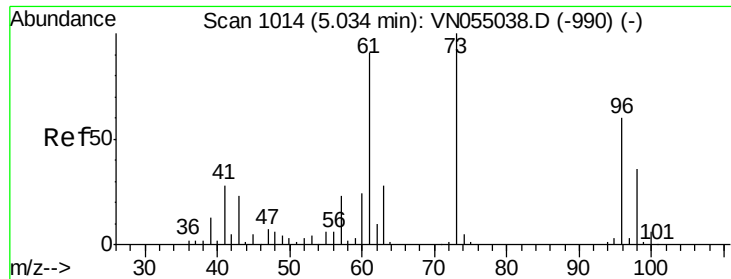
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





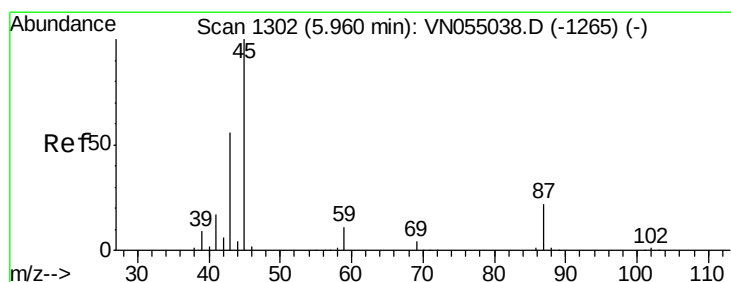
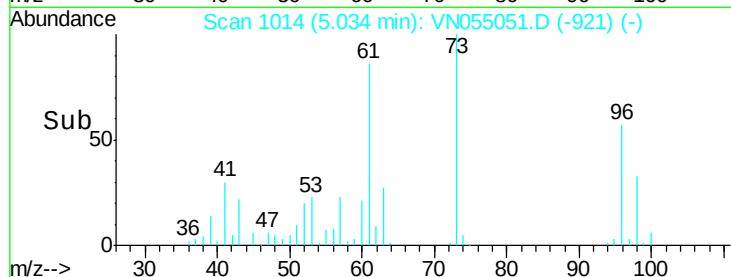
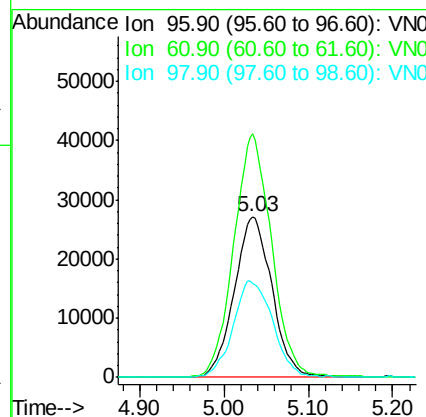
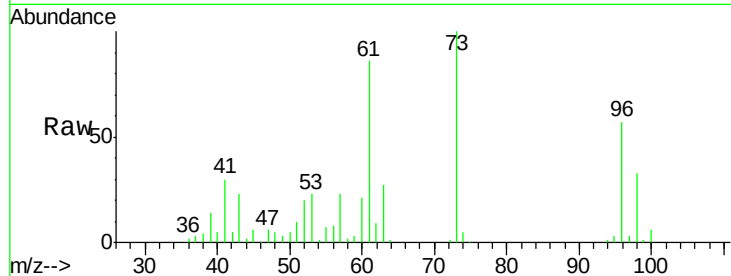
#21
trans-1,2-Dichloroethene
Concen: 20.284 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampled :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	114.9	172.3
98	58.8	48.4	72.6

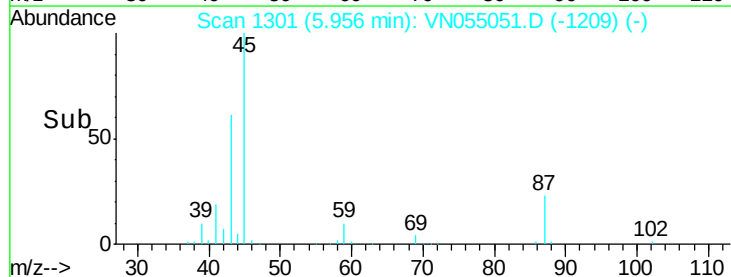
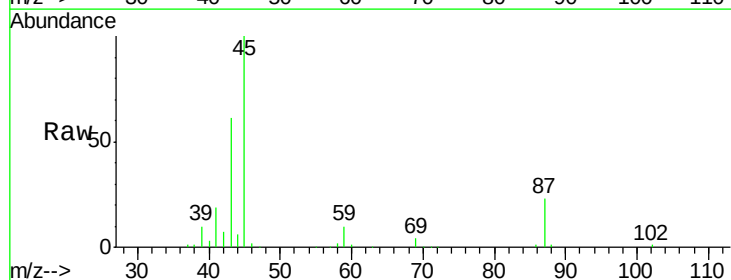
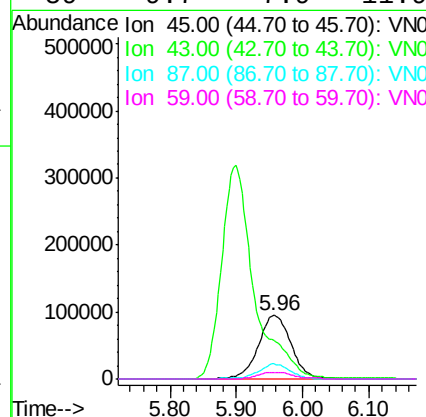
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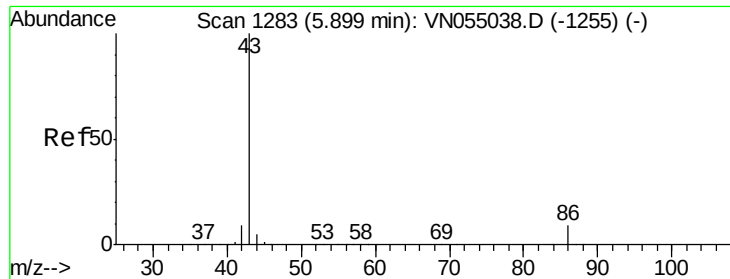
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#22
Diisopropyl ether
Concen: 21.153 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.1	44.8	67.2
87	23.1	18.9	28.3
59	9.7	7.9	11.9





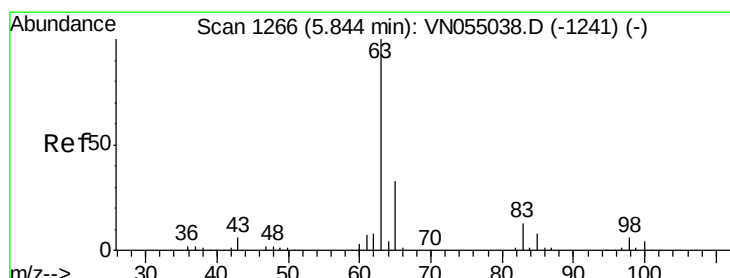
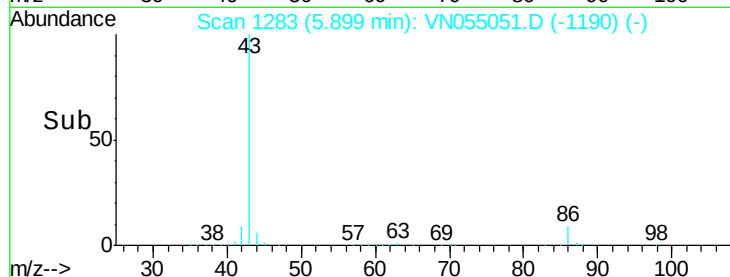
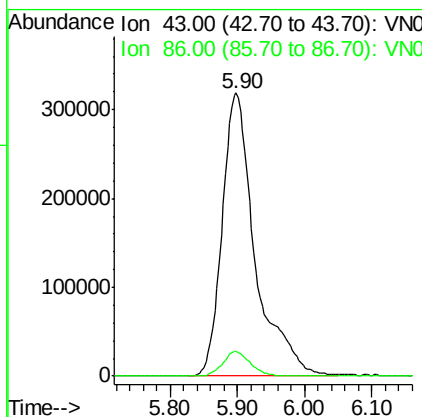
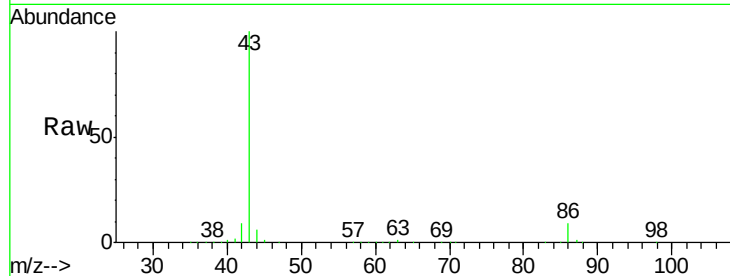
#23
 Vinyl Acetate
 Concen: 106.402 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion: 43 Resp: 1086222
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.0 10.4

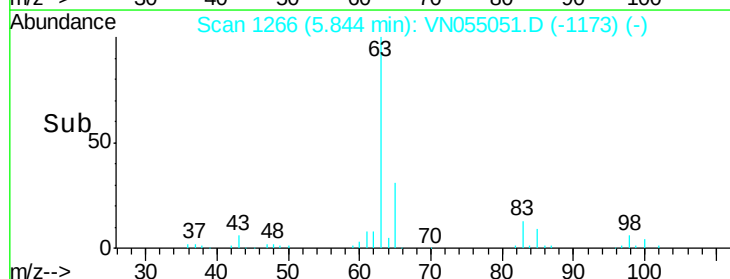
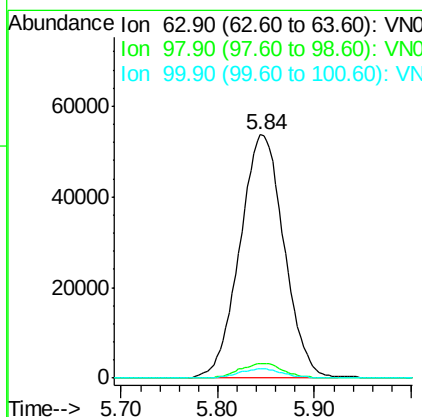
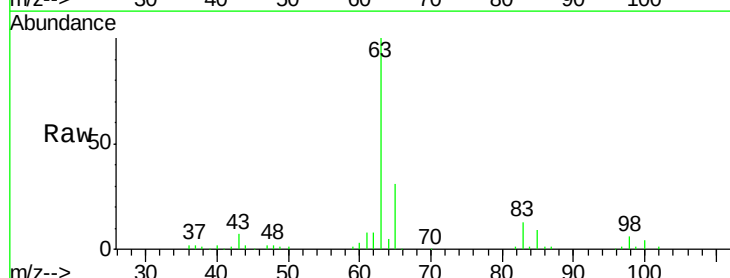
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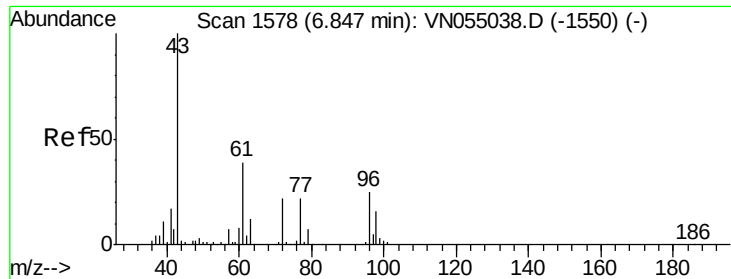
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#24
 1,1-Dichloroethane
 Concen: 20.721 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion: 63 Resp: 170419
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.4
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 99.073 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

ClientSampled :

VN0415WBS01

Tot Ion: 43 Resp: 206297

Ion Ratio Lower Upper

43 100

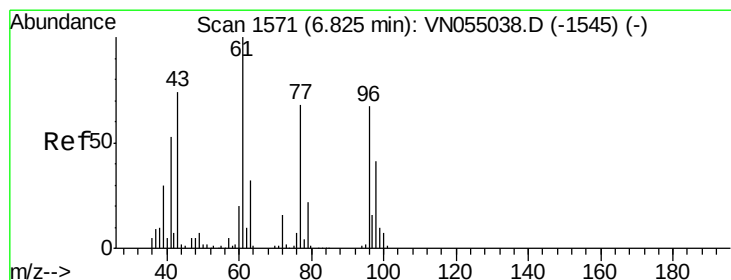
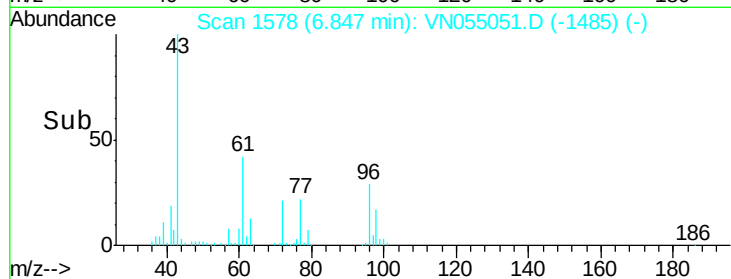
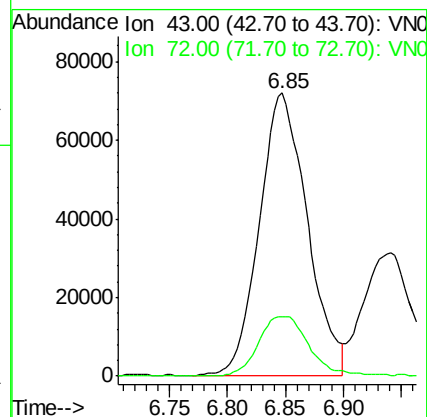
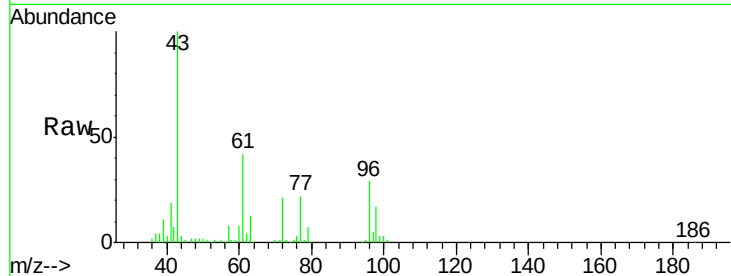
72 21.2 18.1 27.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.559 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055051.D

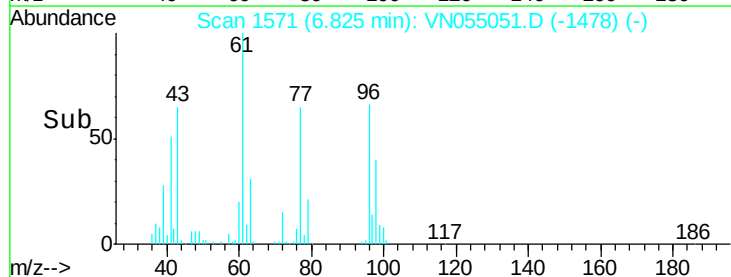
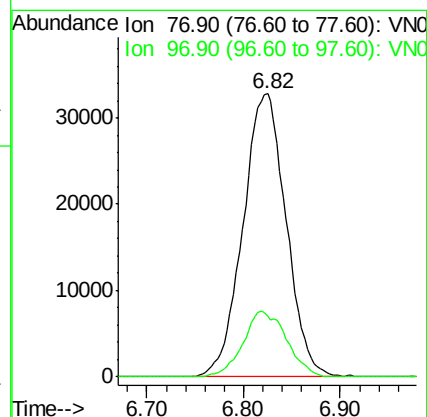
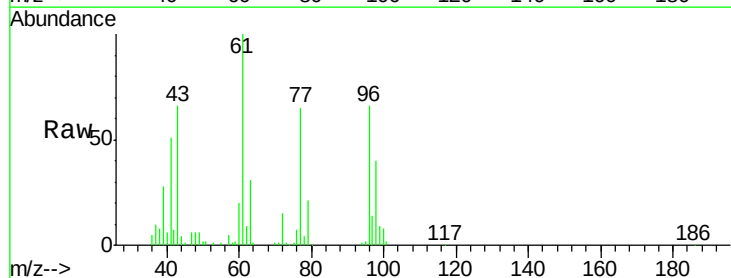
Acq: 15 Apr 2019 19:08

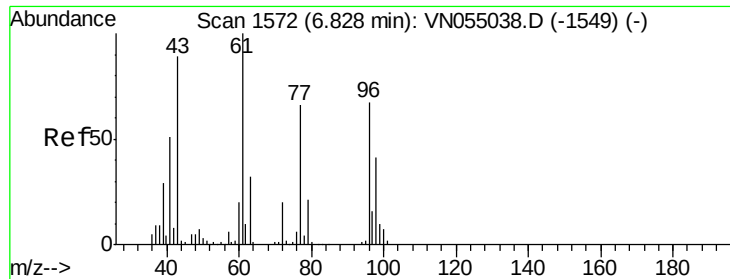
Tgt Ion: 77 Resp: 101532

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.778 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

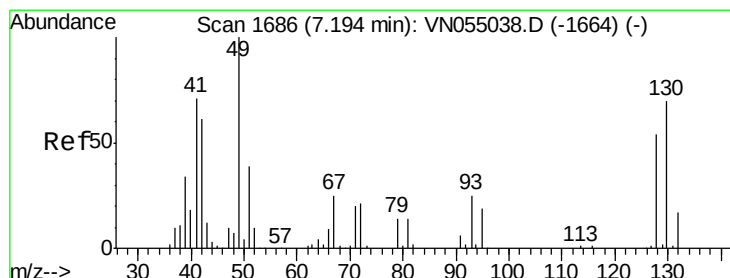
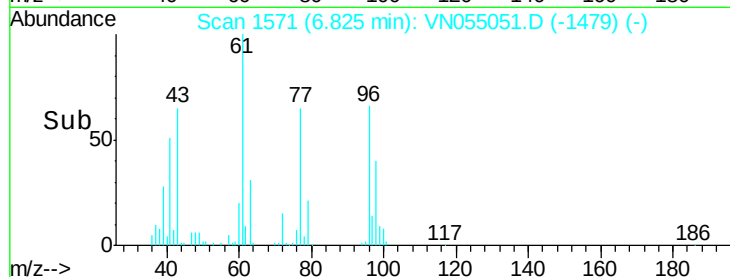
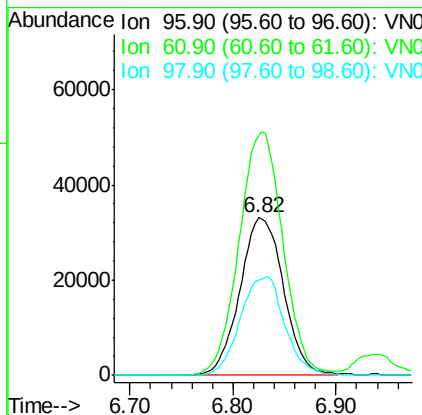
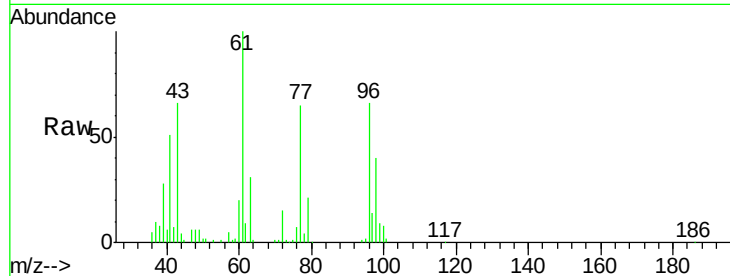
ClientSampleId :

VN0415WBS01

Tot Ion:	96	Resp:	97583
Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	311.0
98	63.3	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 20.893 ug/l

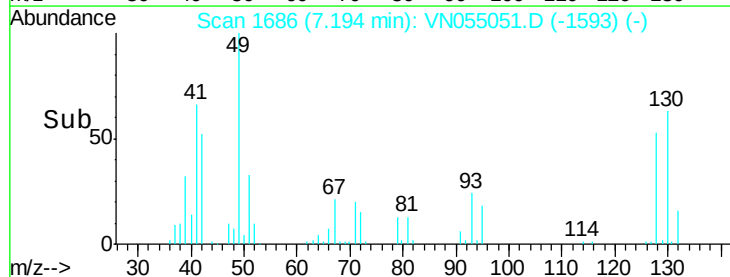
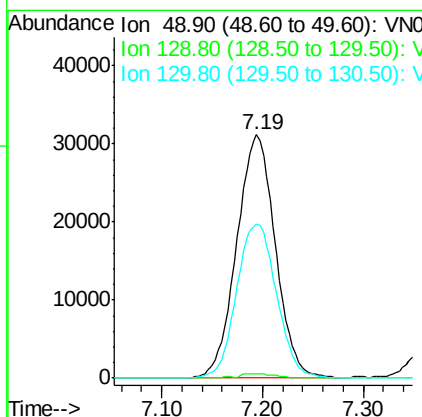
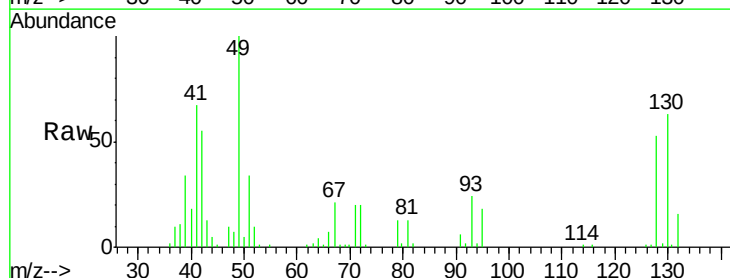
RT: 7.19 min Scan# 1686

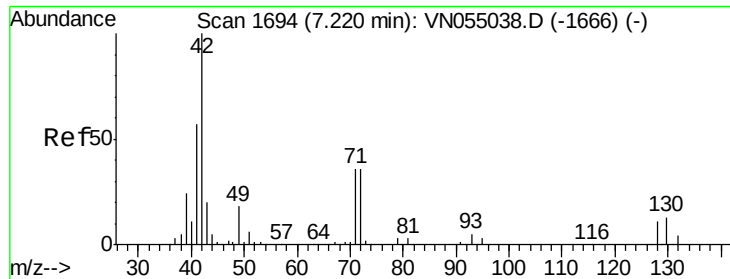
Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion:	49	Resp:	82835
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.0
130	65.4	53.4	80.2





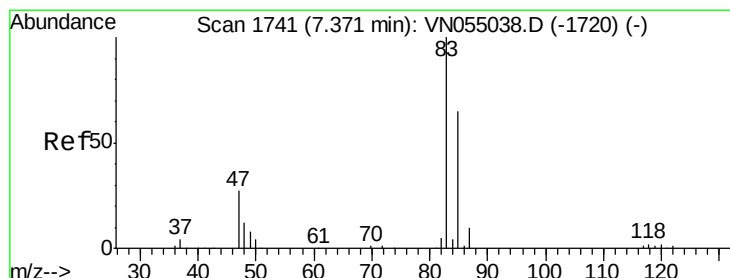
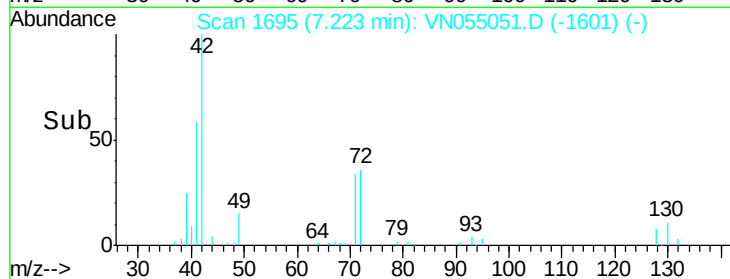
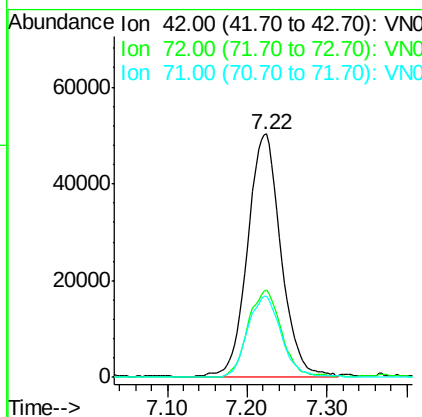
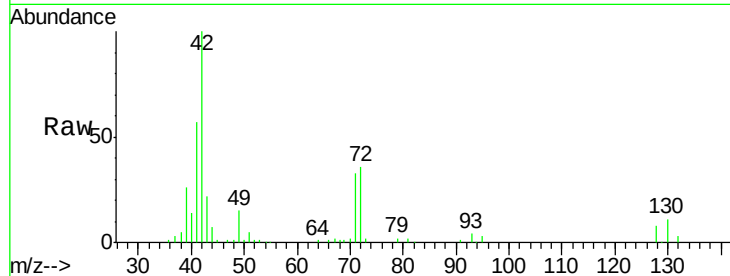
#29
Tetrahydrofuran
Concen: 103.649 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	29.4	44.0
71	33.9	27.8	41.6

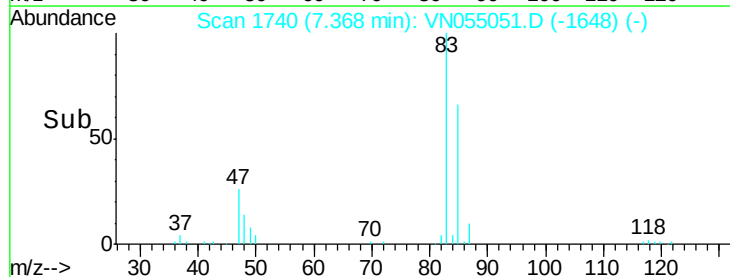
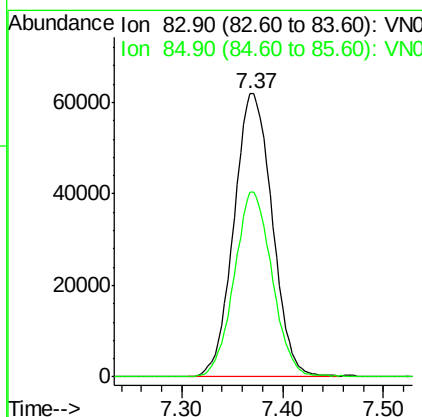
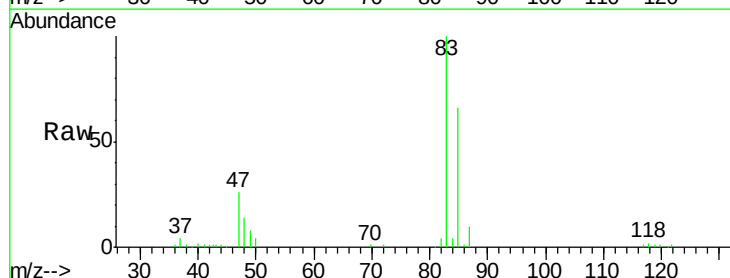
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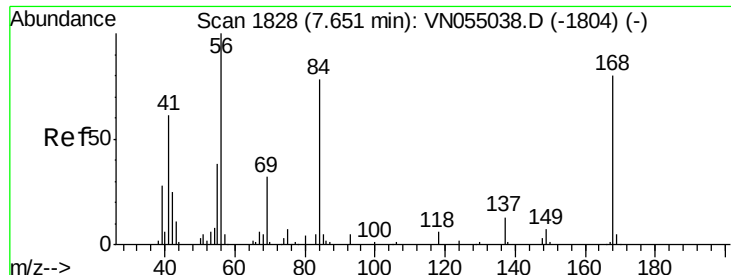
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#30
Chloroform
Concen: 20.447 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





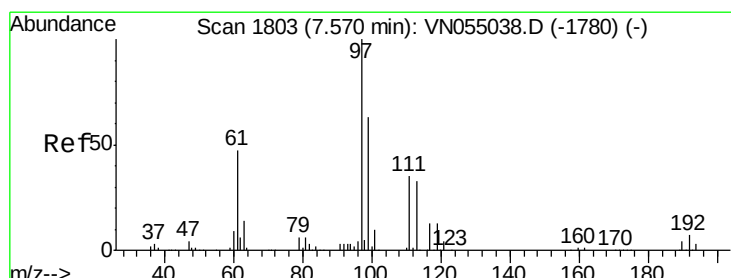
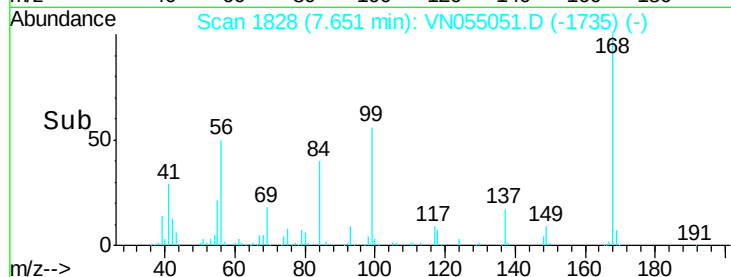
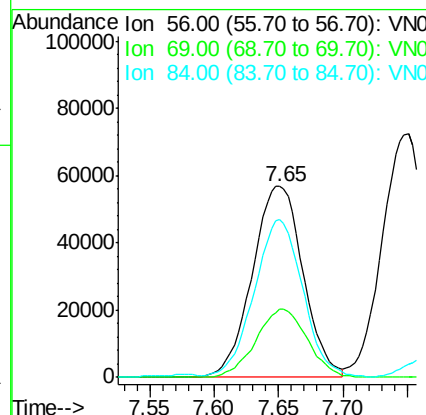
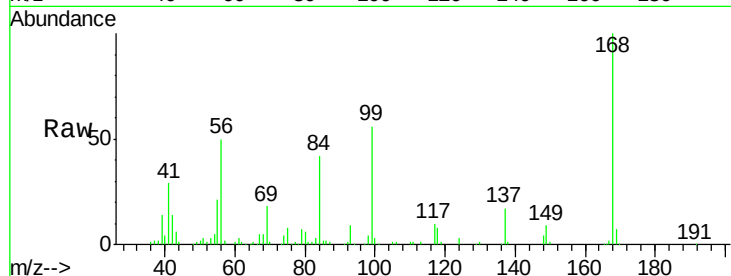
#31
Cyclohexane
Concen: 20.708 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		155898		
69	35.5	24.5	36.7		
84	81.5	62.9	94.3		

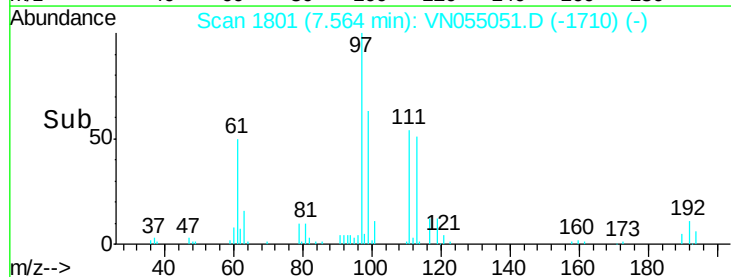
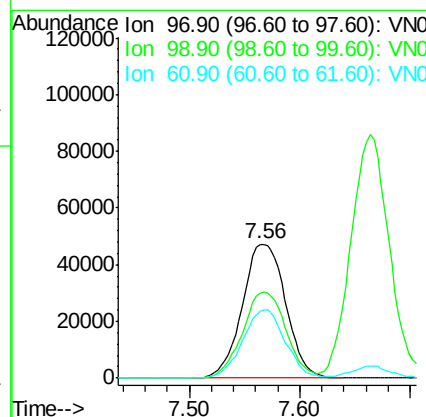
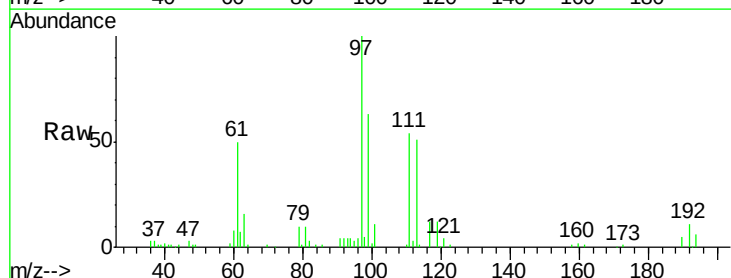
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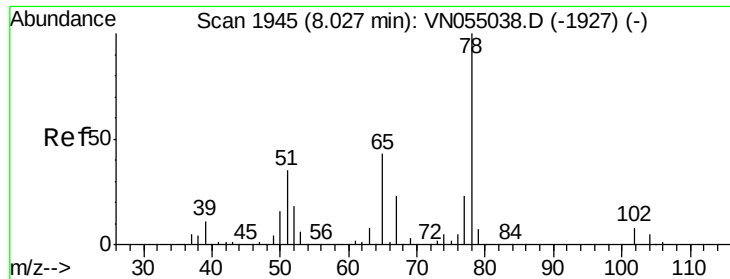
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#32
1,1,1-Trichloroethane
Concen: 20.348 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		128790		
99	64.5	51.6	77.4		
61	49.9	38.3	57.5		





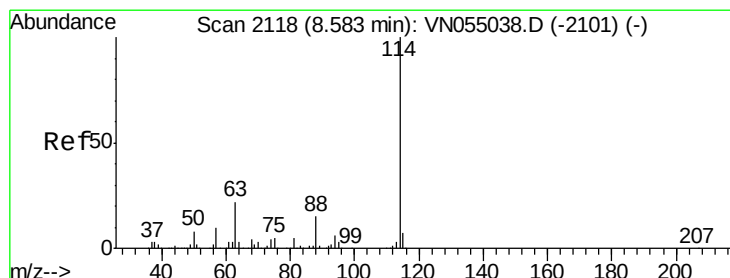
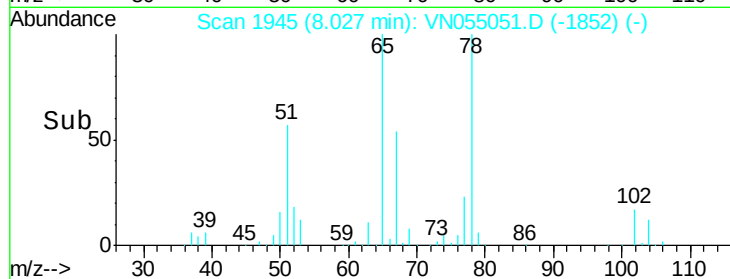
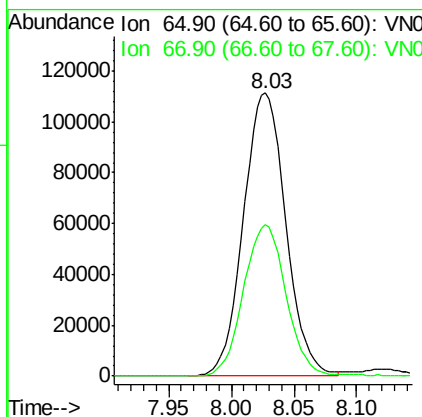
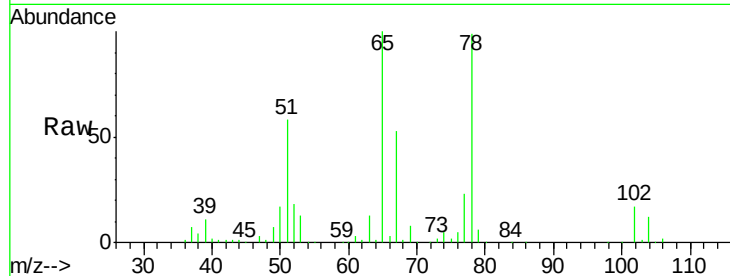
#33
 1,2-Dichloroethane-d4
 Concen: 50.888 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	261580		
67	53.6	0.0	106.4	

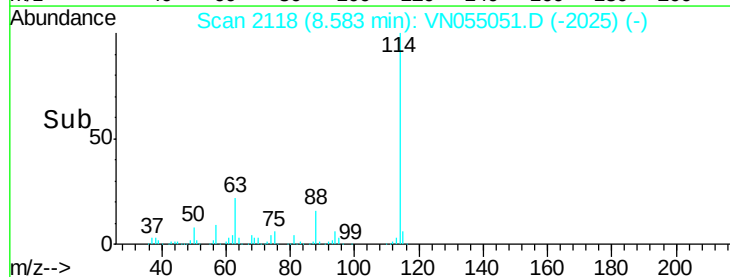
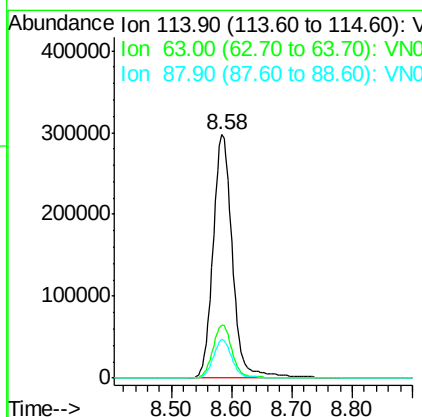
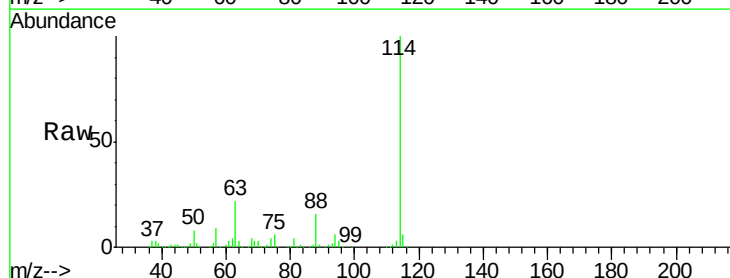
Manual Integrations
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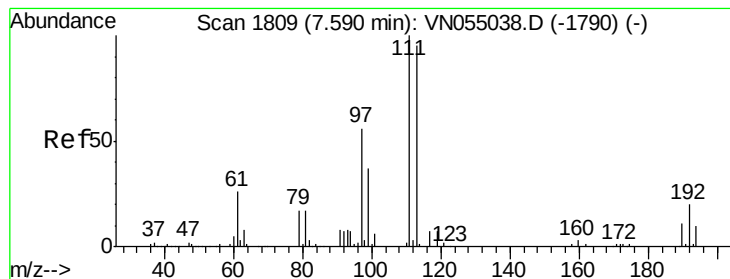
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	652043		
63	21.6	0.0	45.2	
88	15.7	0.0	31.8	





#35

Dibromofluoromethane

Concen: 48.389 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

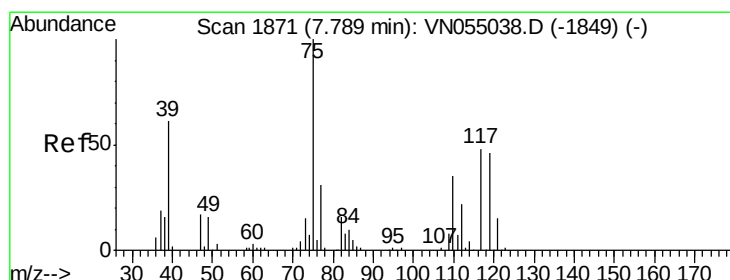
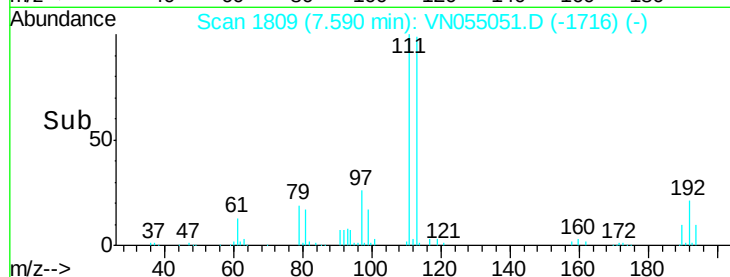
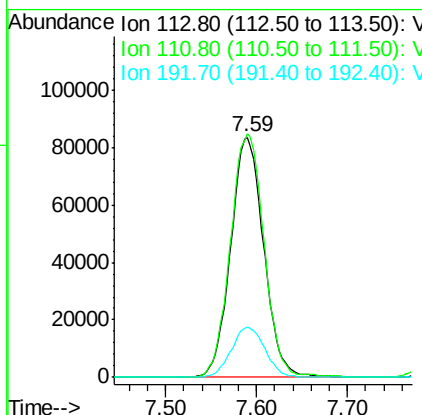
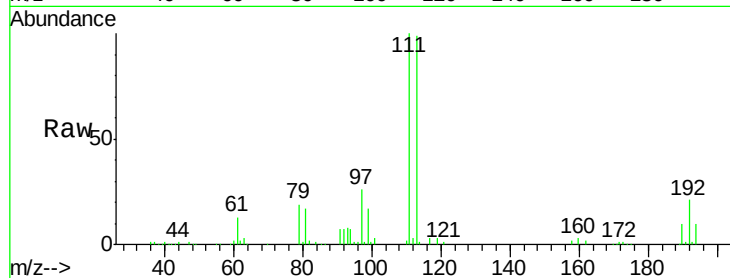
ClientSampled :

VN0415WBS01

Tot Ion:	113	Resp:	210861
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.1	123.1
192	21.3	16.5	24.7

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#36

1,1-Dichloropropene

Concen: 19.100 ug/l

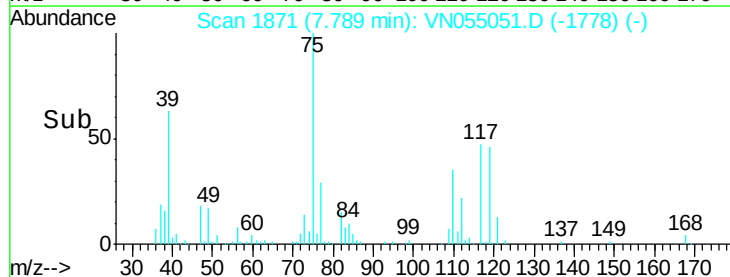
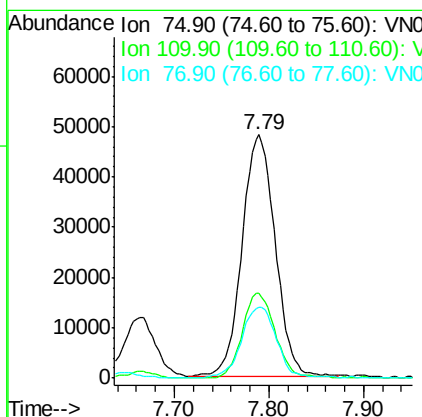
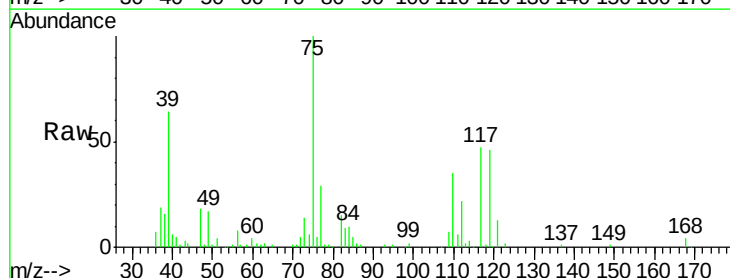
RT: 7.79 min Scan# 1871

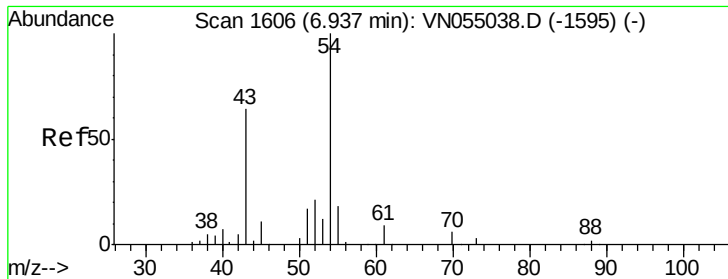
Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion:	75	Resp:	117401
Ion Ratio	Lower	Upper	
75	100		
110	34.6	17.5	52.5
77	31.1	24.9	37.3





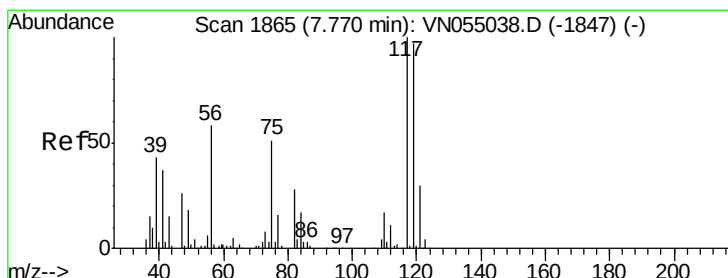
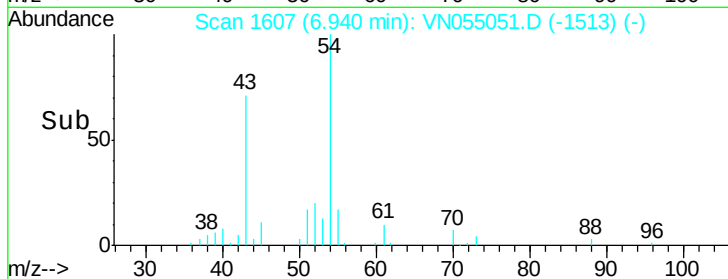
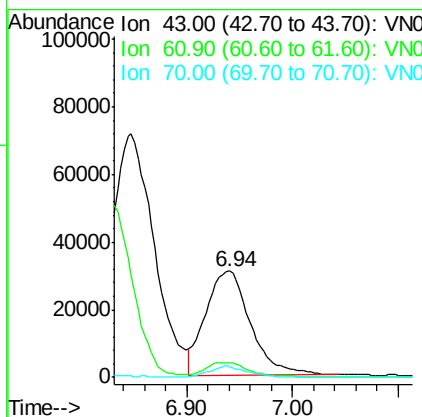
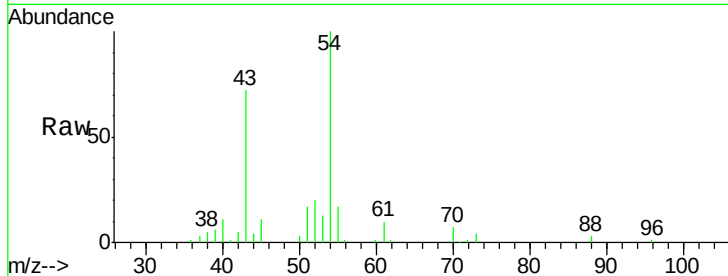
#37
Ethyl Acetate
Concen: 18.267 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	43	61	70
Resp	91412		
Ratio	100	11.9	9.1
Lower		10.0	7.1
Upper		15.0	10.7

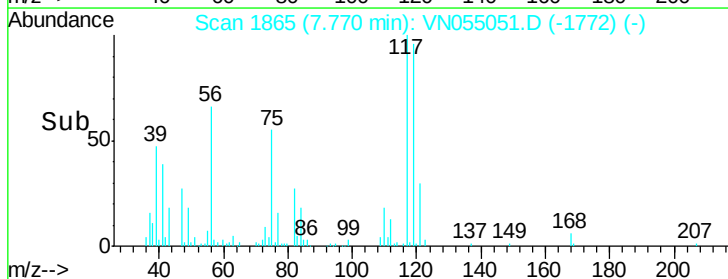
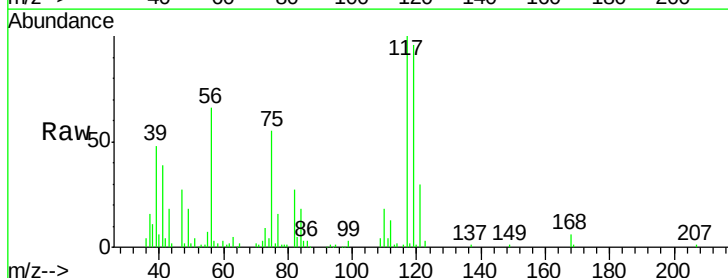
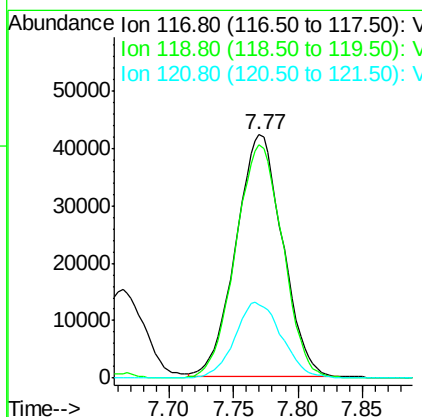
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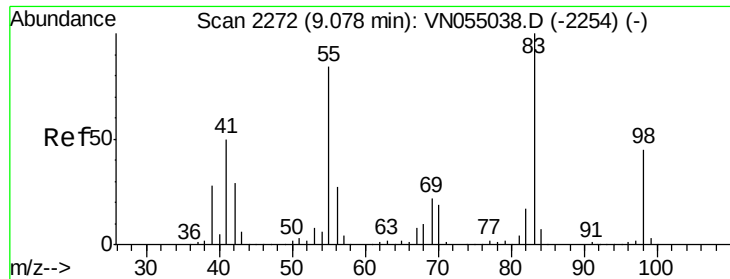
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#38
Carbon Tetrachloride
Concen: 18.167 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	117	119	121
Resp	106240		
Ratio	100	96.0	30.4
Lower		76.3	23.9
Upper		114.5	35.9





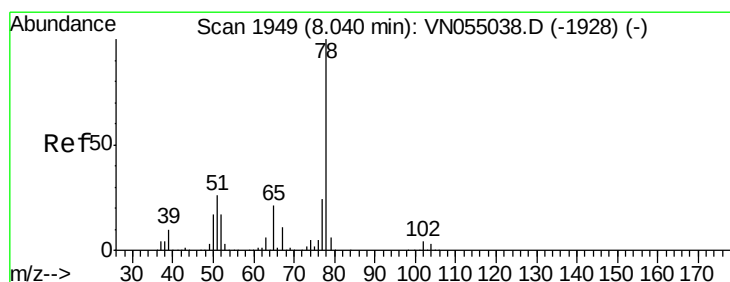
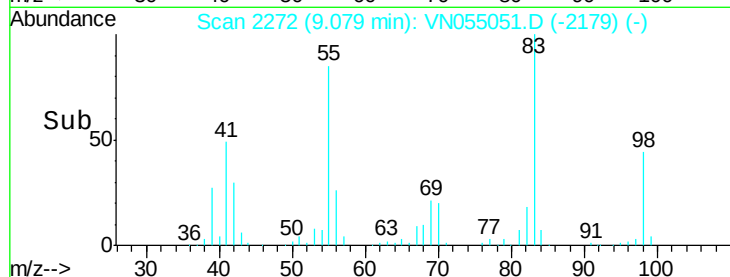
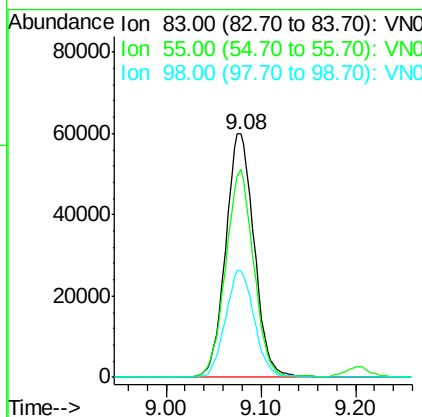
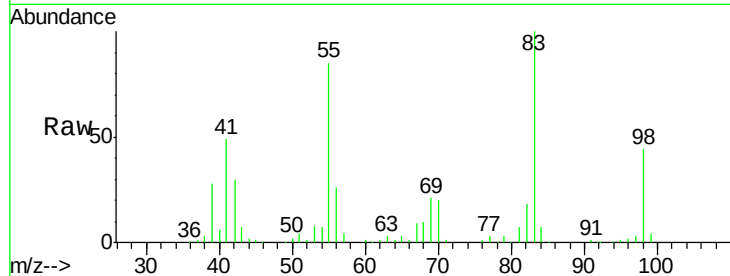
#39
Methylvlcyclohexane
Concen: 18.855 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.1	67.0	100.4
98	43.9	35.6	53.4

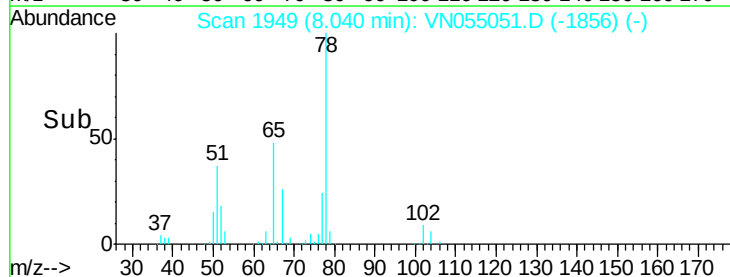
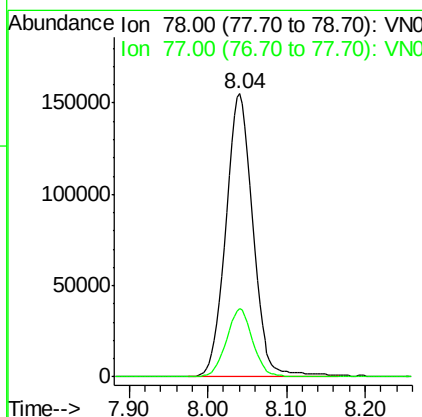
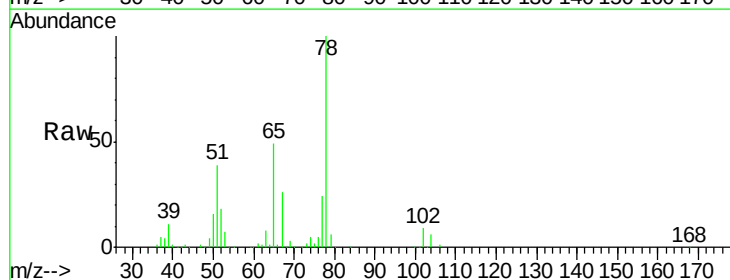
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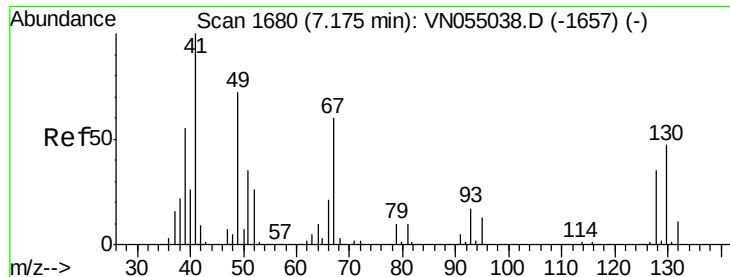
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#40
Benzene
Concen: 20.005 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





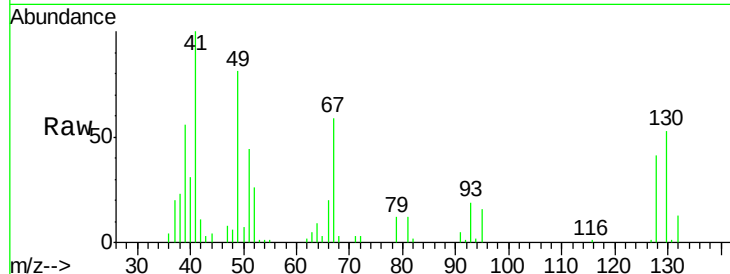
#41
Methacrylonitrile
Concen: 17.687 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

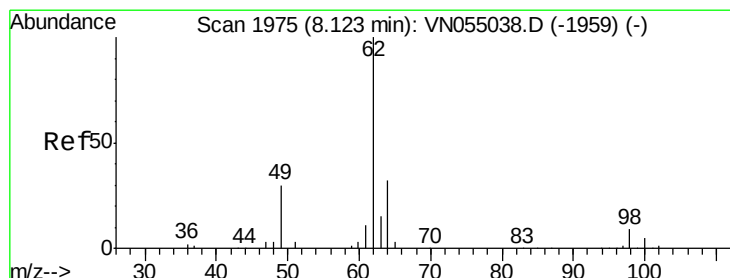
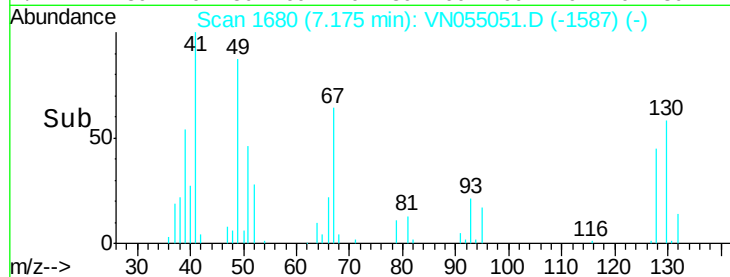
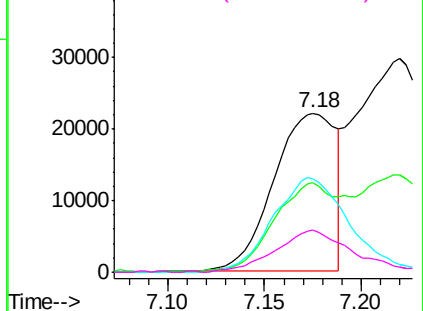
Tot Ion	41	Resp	49131
Ion Ratio	Lower	Upper	
41	100		
39	53.7	45.6	68.4
67	74.3	57.0	85.6
52	32.9	23.6	35.4

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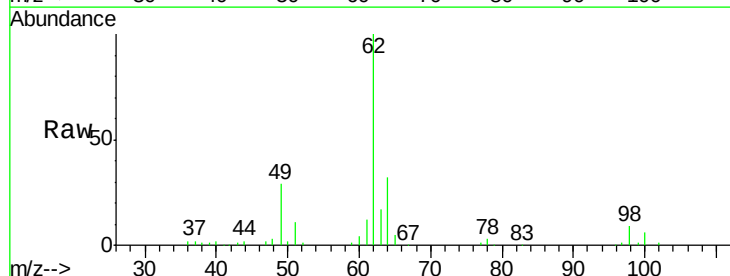


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

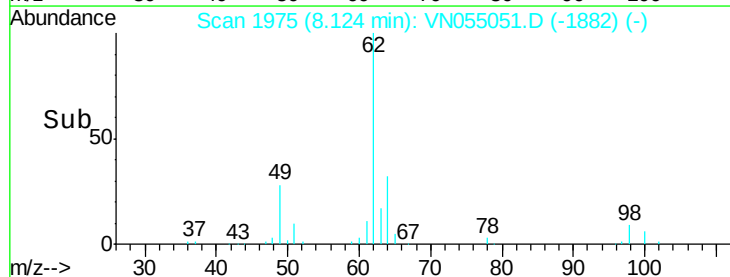
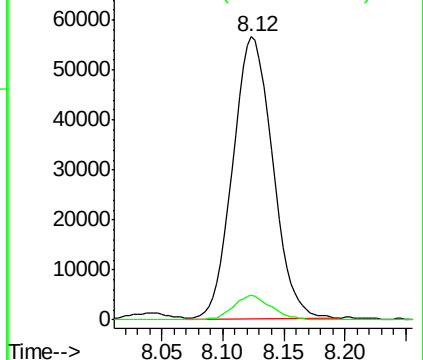


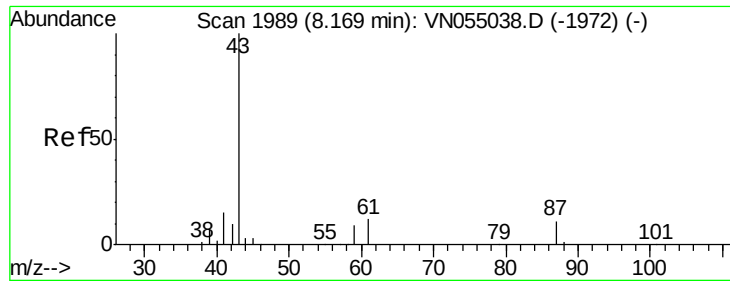
#42
1,2-Dichloroethane
Concen: 19.903 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	62	Resp	128017
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.659 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

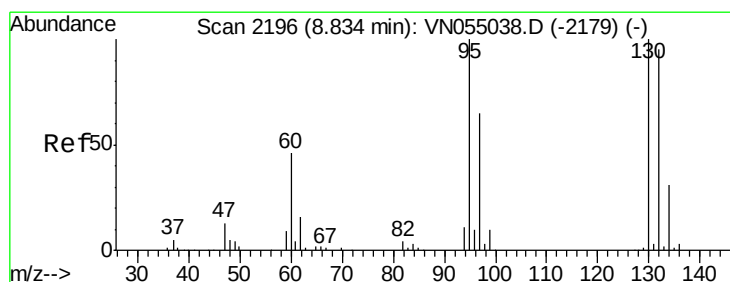
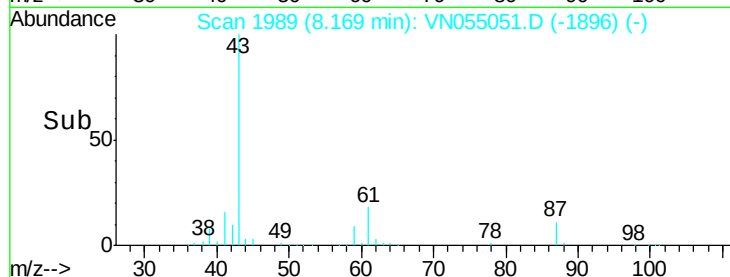
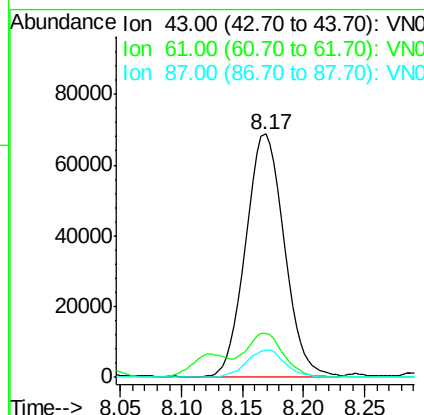
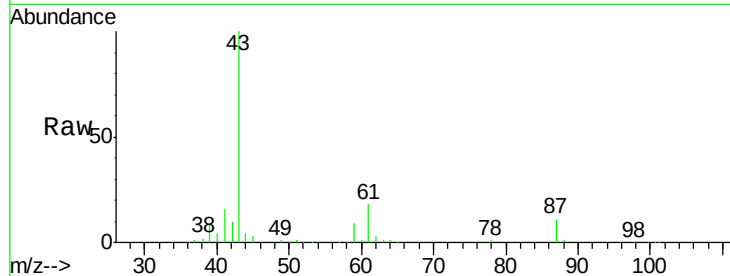
ClientSampleId :

VN0415WBS01

Tot Ion:	43	Resp:	151587
Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.3	21.5
87	11.1	8.6	13.0

Manual Integrations
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MMDadoda
4/17/2019 10:06:19 AM



#44

Trichloroethene

Concen: 20.297 ug/l

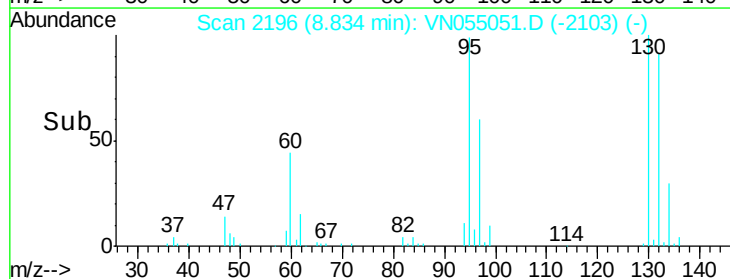
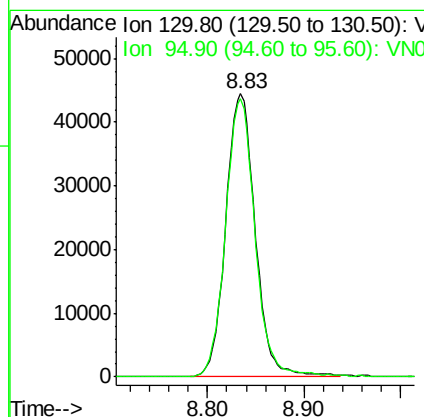
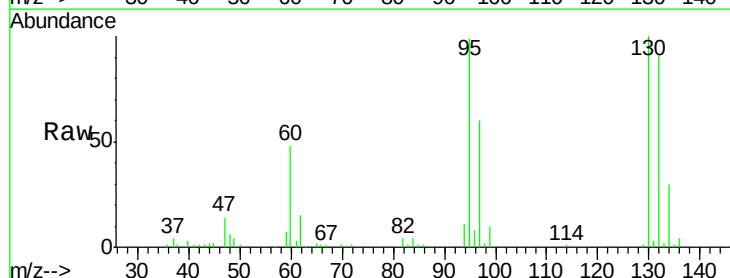
RT: 8.83 min Scan# 2196

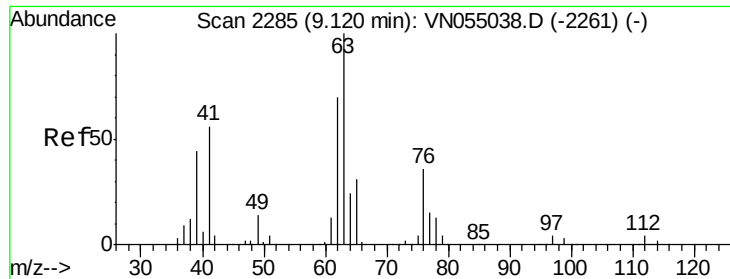
Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion:	130	Resp:	94181
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	201.6





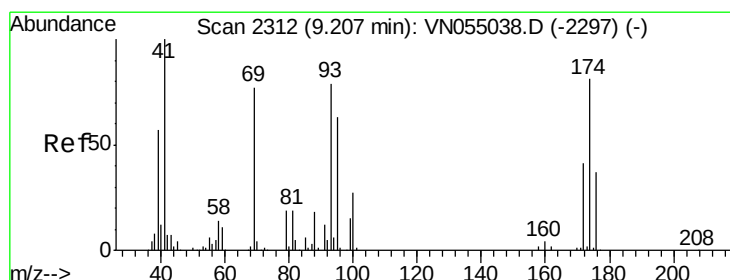
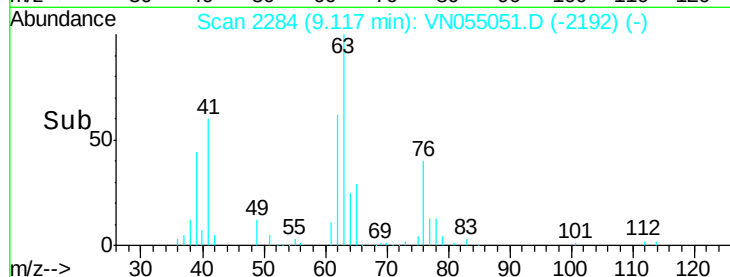
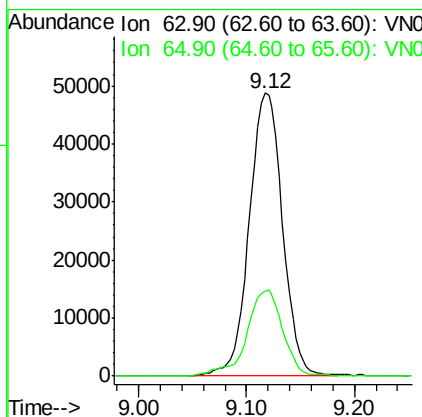
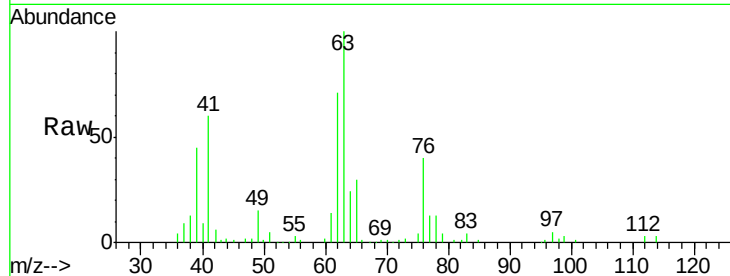
#45
 1,2-Dichloropropane
 Concen: 20.226 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion: 63 Resp: 104499
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.4 36.6

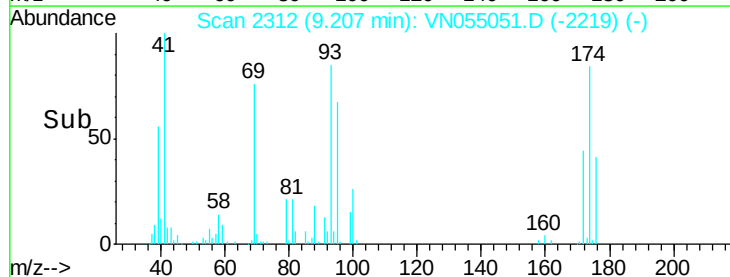
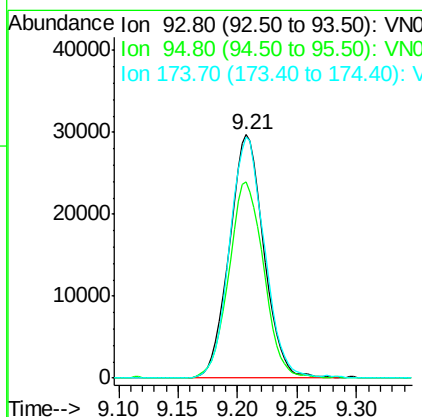
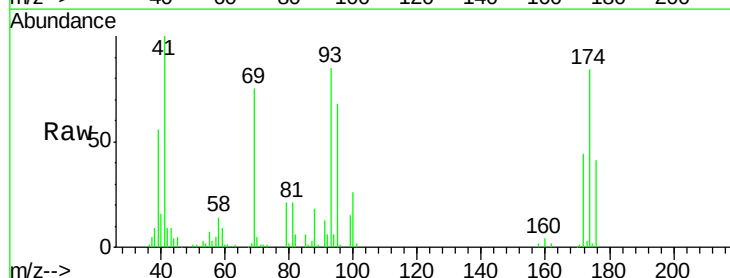
Manual Integrations
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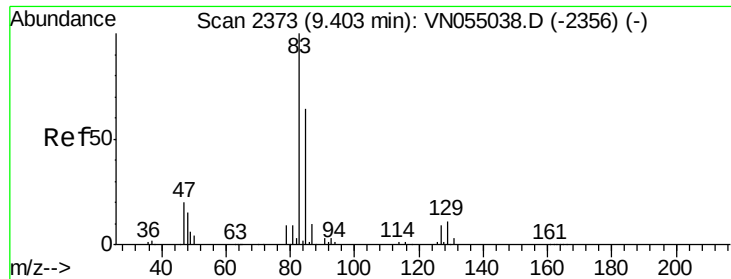
MMDadoda
 4/17/2019 10:06:19 AM



#46
 Dibromomethane
 Concen: 20.279 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion: 93 Resp: 59636
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.0 97.6
 174 99.9 81.0 121.6





#47

Bromodichloromethane

Concen: 19.597 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

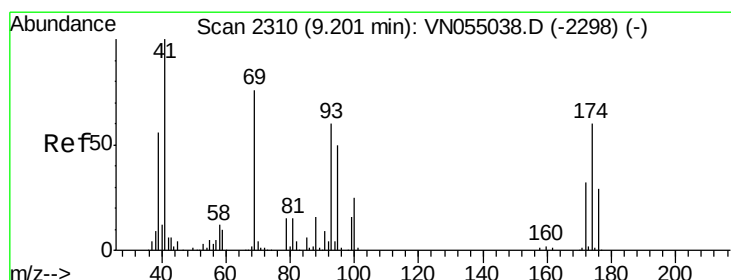
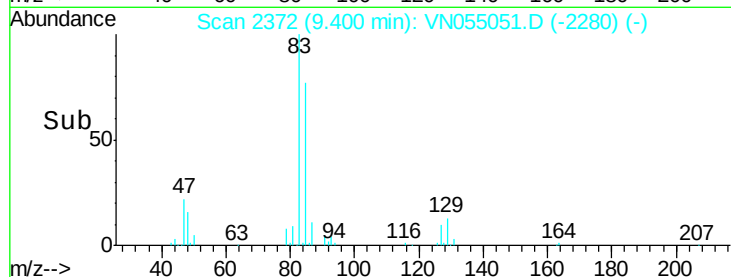
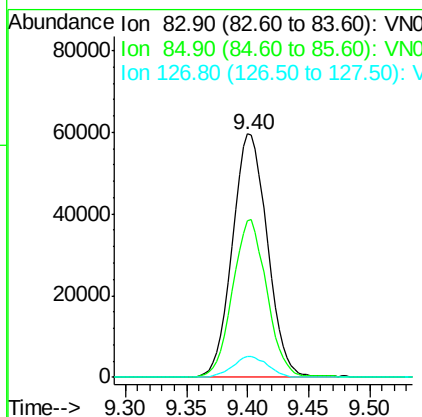
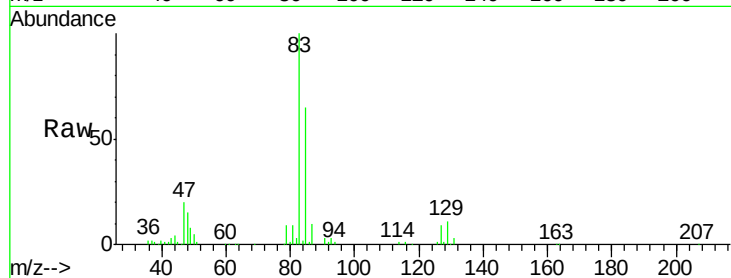
ClientSampleId :

VN0415WBS01

Tot Ion:	83	Resp:	118817
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.2	76.8
127	8.5	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:06:19 AM



#48

Methyl methacrylate

Concen: 19.472 ug/l

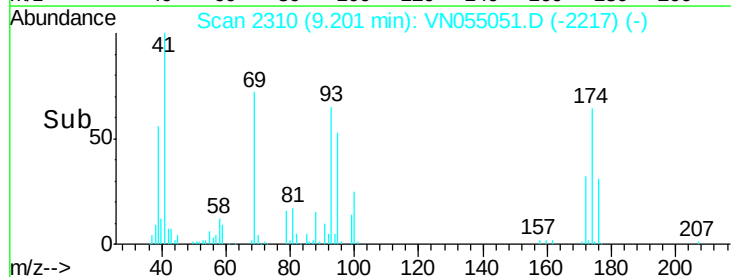
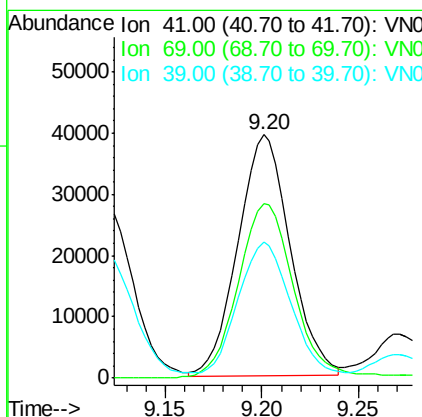
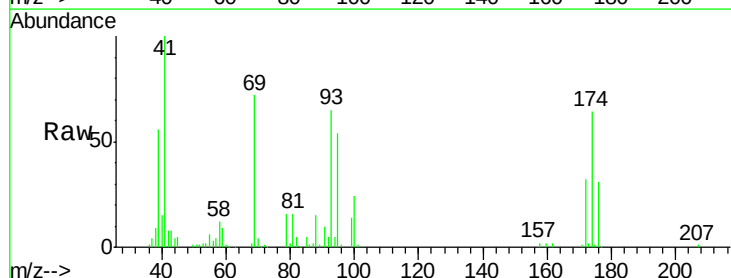
RT: 9.20 min Scan# 2310

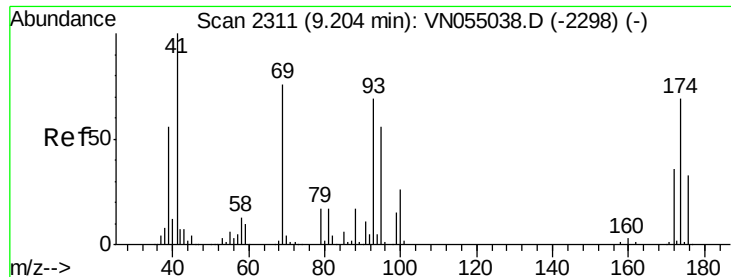
Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion:	41	Resp:	74421
Ion Ratio	Lower	Upper	
41	100		
69	76.7	60.5	90.7
39	56.6	43.9	65.9





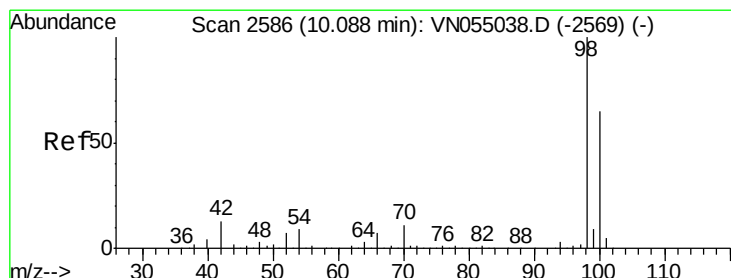
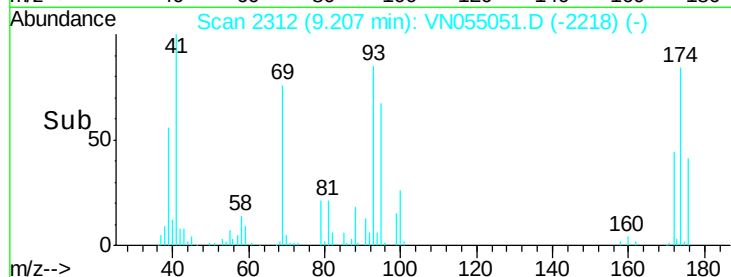
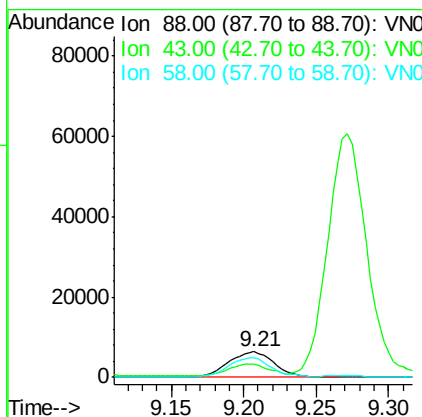
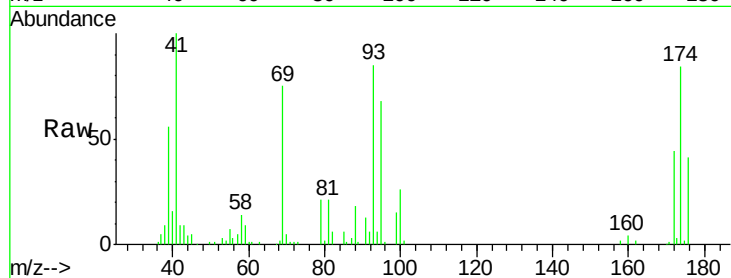
#49
1,4-Dioxane
Concen: 391.635 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	88	Resp	14023
Ion	Ratio	Lower	Upper
88	100		
43	40.0	31.8	47.8
58	73.5	61.6	92.4

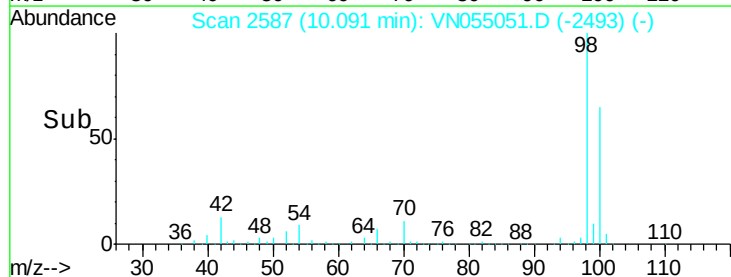
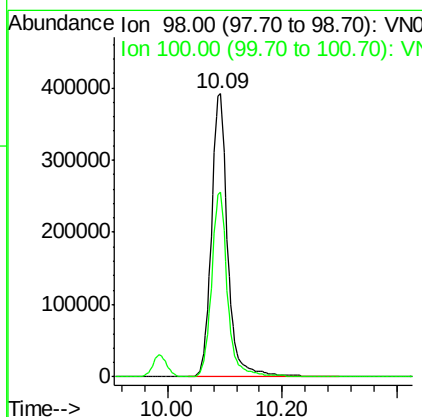
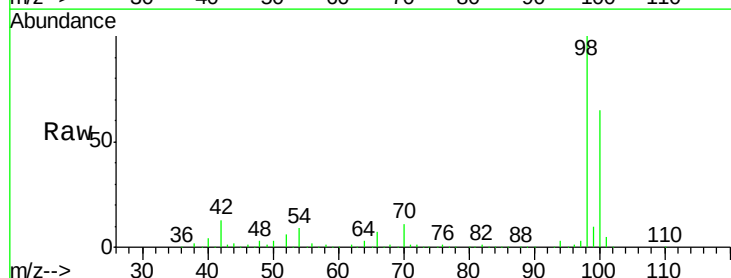
Manual Integrations
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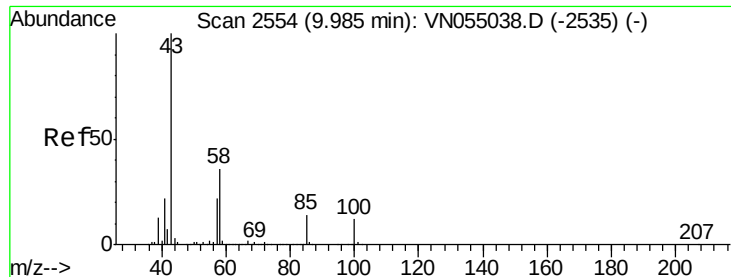
MMDadoda
4/17/2019 10:06:19 AM



#50
Toluene-d8
Concen: 49.575 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	98	Resp	773196
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





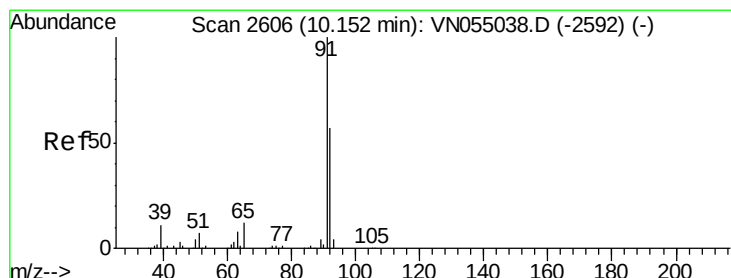
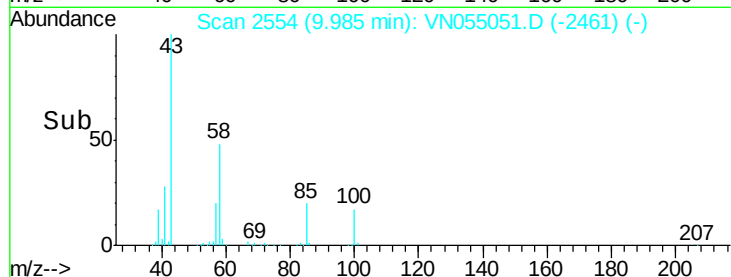
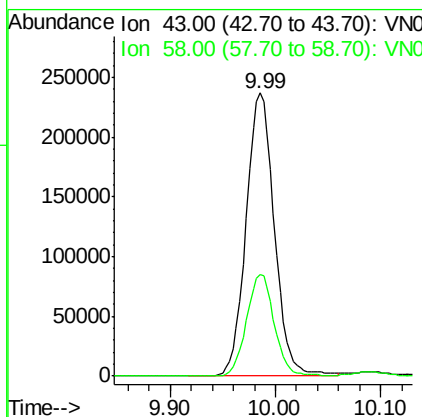
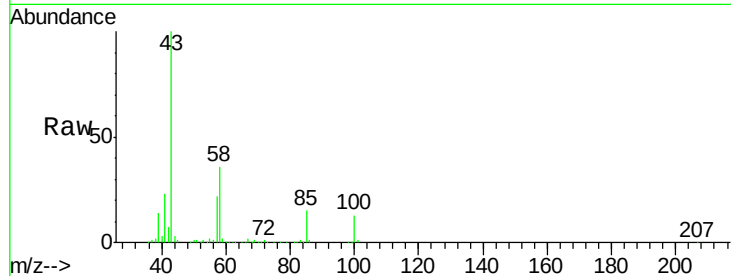
#51
4-Methyl-2-Pentanone
Concen: 98.996 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.0	43.4

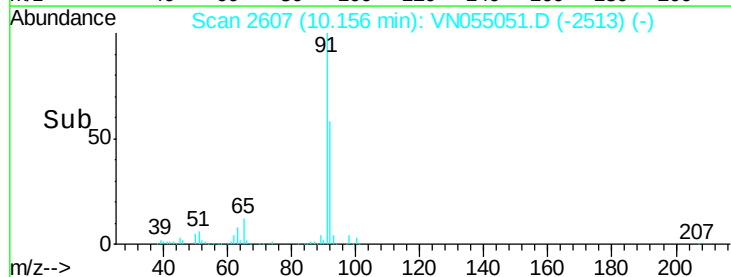
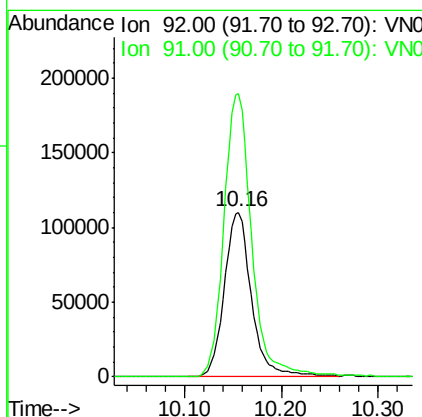
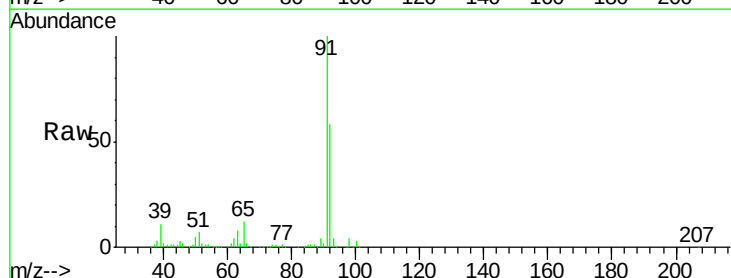
Manual Integrations
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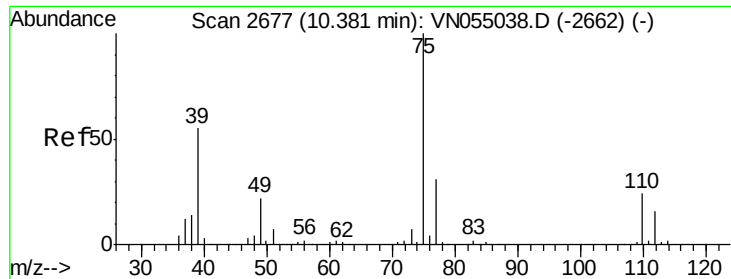
MMDadoda
4/17/2019 10:06:19 AM



#52
Toluene
Concen: 20.322 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.6	140.8	211.2





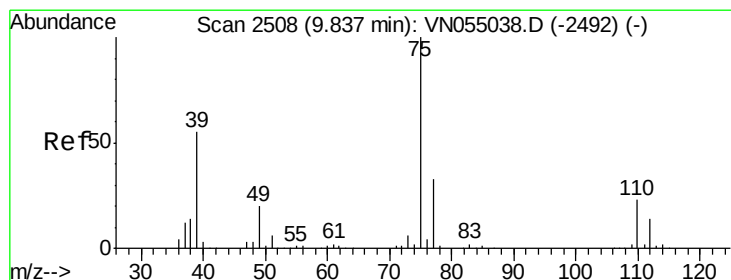
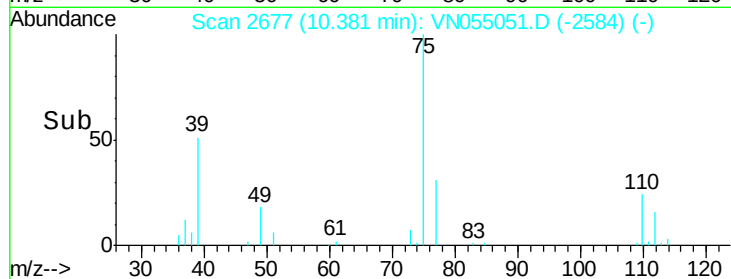
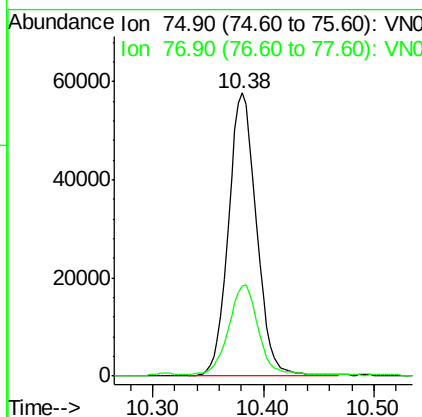
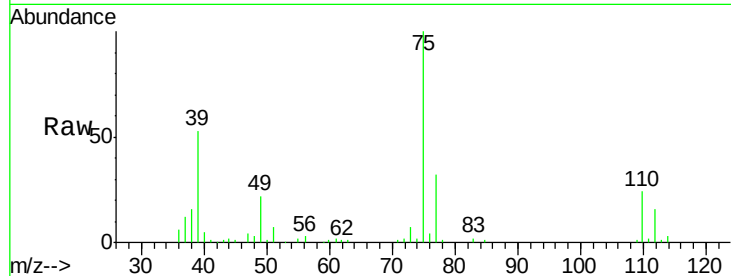
#53
t-1,3-Dichloropropene
Concen: 19.290 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion: 75 Resp: 102205
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0

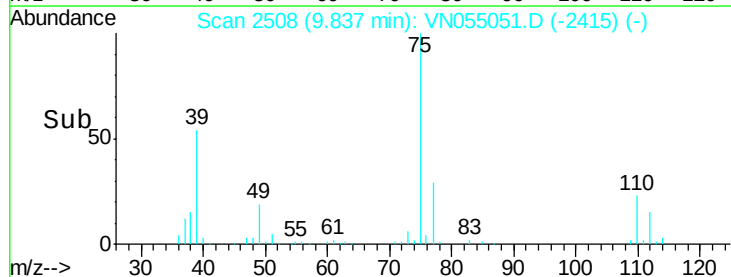
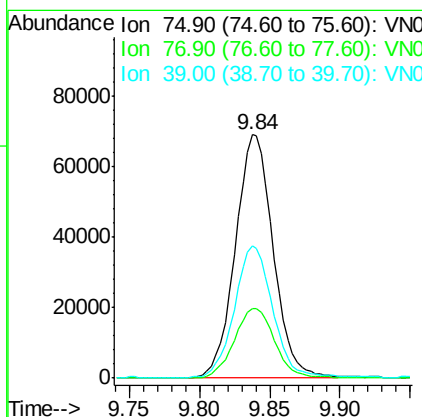
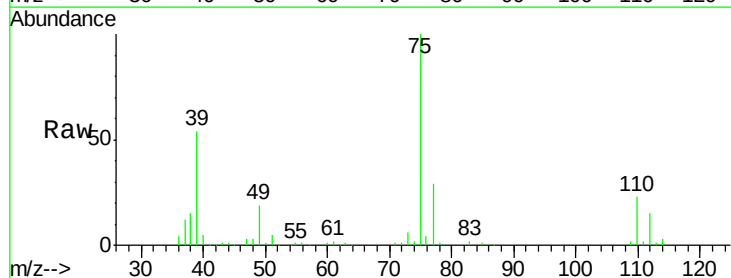
Manual Integrations
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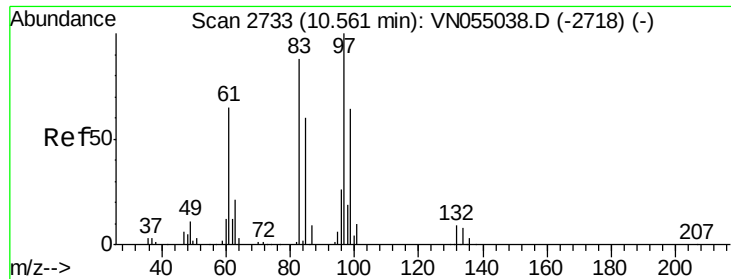
MMDadoda
4/17/2019 10:06:19 AM



#54
cis-1,3-Dichloropropene
Concen: 19.763 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion: 75 Resp: 129965
Ion Ratio Lower Upper
75 100
77 28.8 25.8 38.6
39 54.1 43.8 65.8





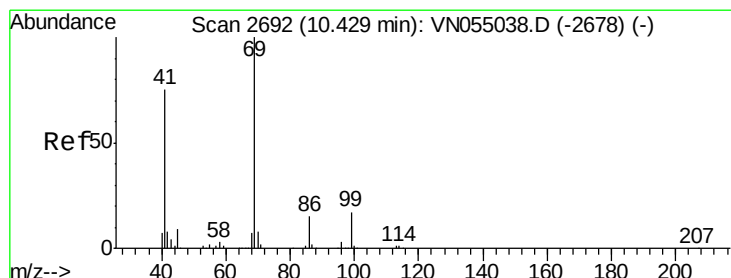
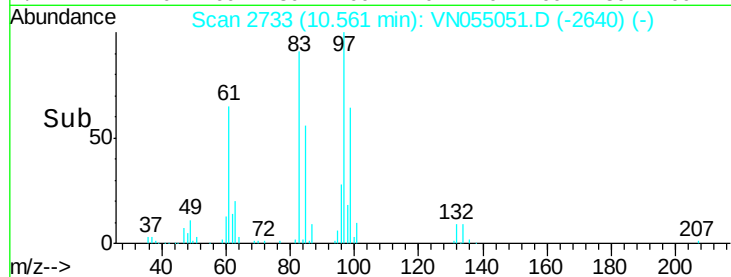
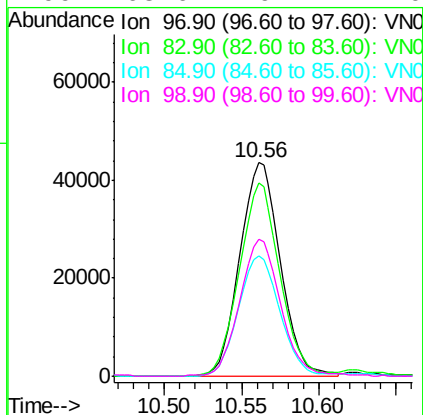
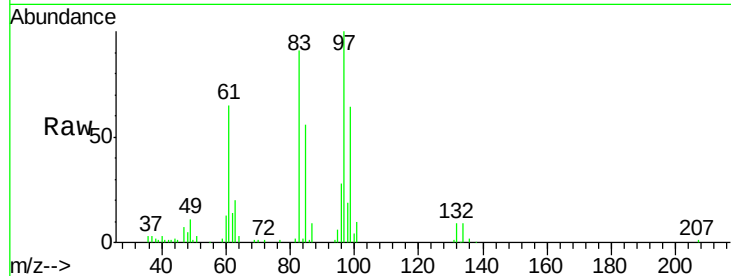
#55
 1,1,2-Trichloroethane
 Concen: 19.428 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion:	97	Resp:	79418
Ion	Ratio	Lower	Upper
97	100		
83	90.6	70.5	105.7
85	56.4	45.5	68.3
99	63.6	49.4	74.0

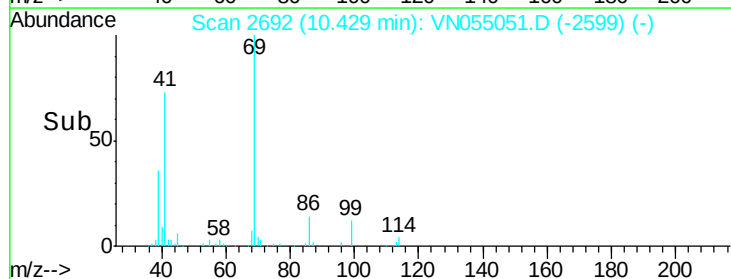
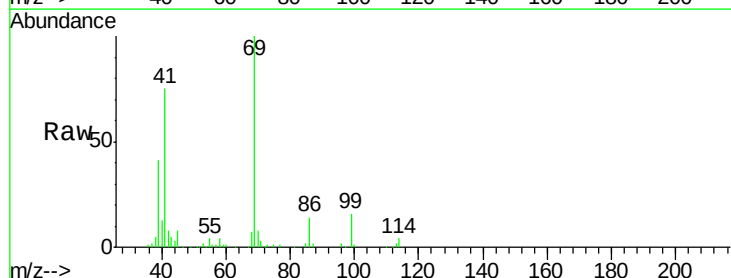
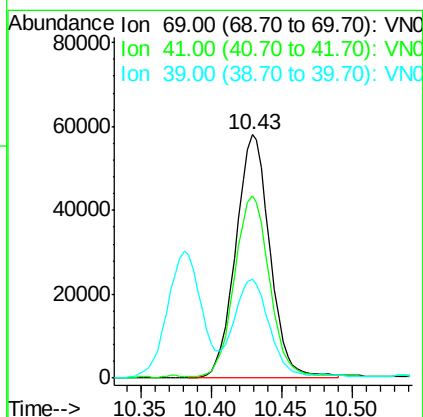
Manual Integrations
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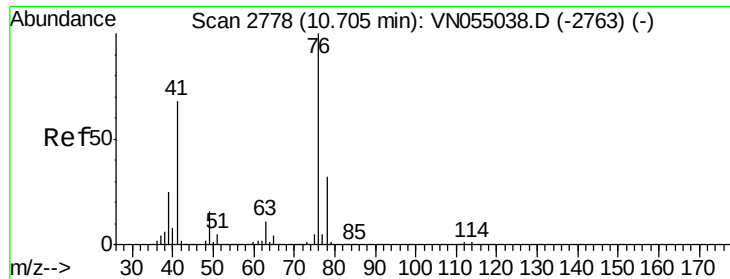
MMDadoda
 4/17/2019 10:06:19 AM



#56
 Ethyl methacrylate
 Concen: 20.157 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion:	69	Resp:	98891
Ion	Ratio	Lower	Upper
69	100		
41	75.9	61.4	92.0
39	39.3	30.8	46.2





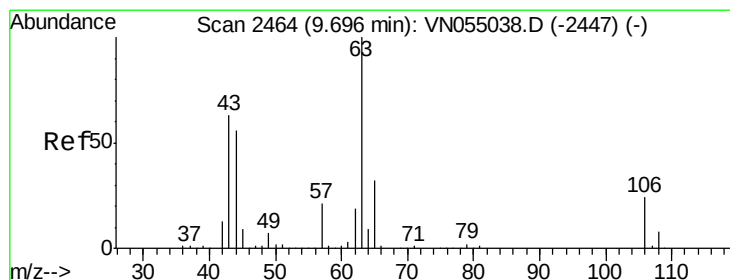
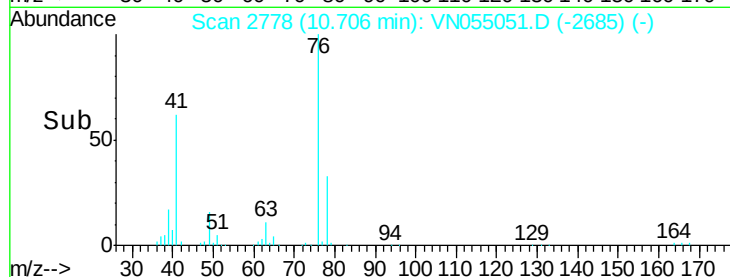
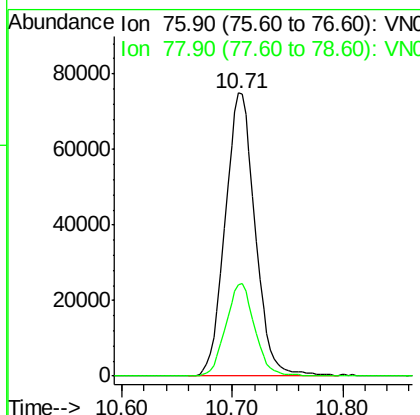
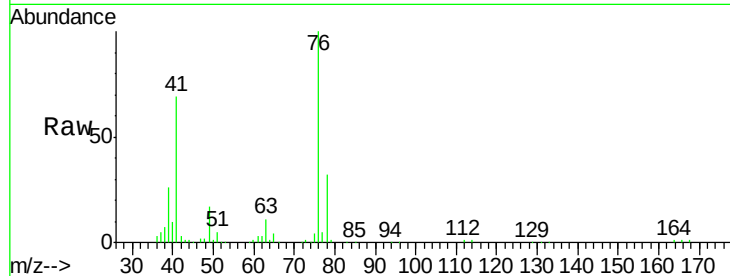
#57
 1,3-Dichloropropane
 Concen: 20.322 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0415WBS01

Tot Ion: 76 Resp: 141441
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.6 38.4

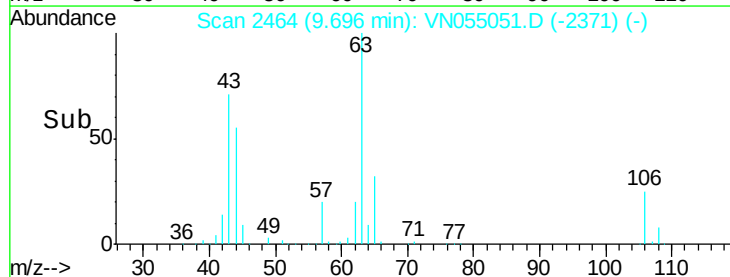
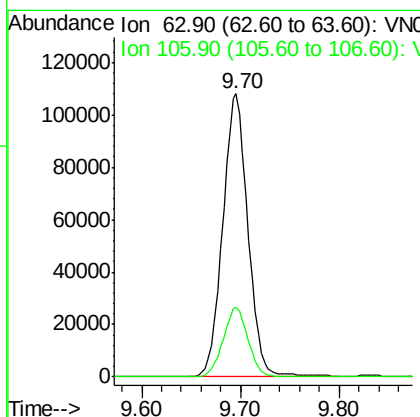
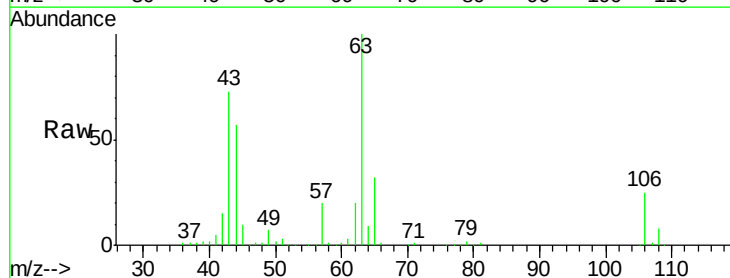
Manual Integrations
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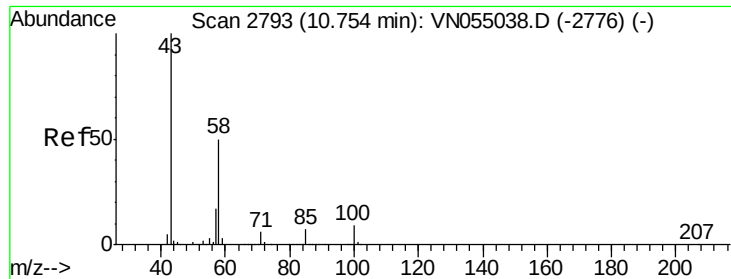
MMDadoda
 4/17/2019 10:06:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.659 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion: 63 Resp: 193456
 Ion Ratio Lower Upper
 63 100
 106 24.3 20.0 30.0





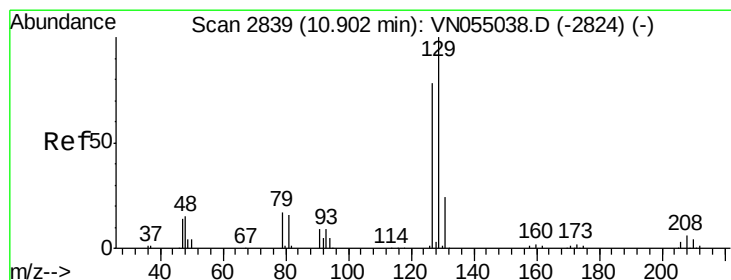
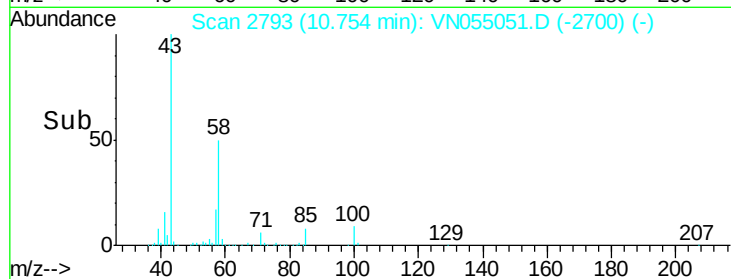
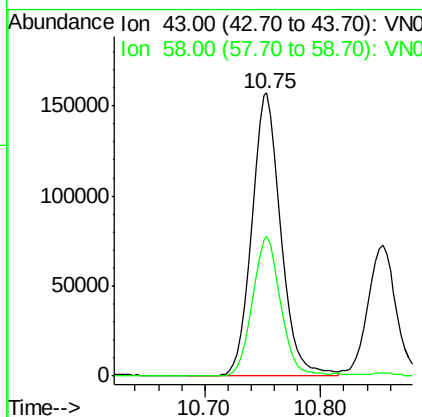
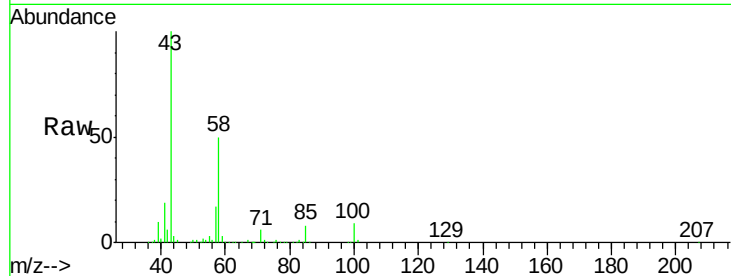
#59
2-Hexanone
Concen: 97.743 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	43	Resp	273481
Ion Ratio	43	100	
Lower	58	48.4	25.1
Upper			75.2

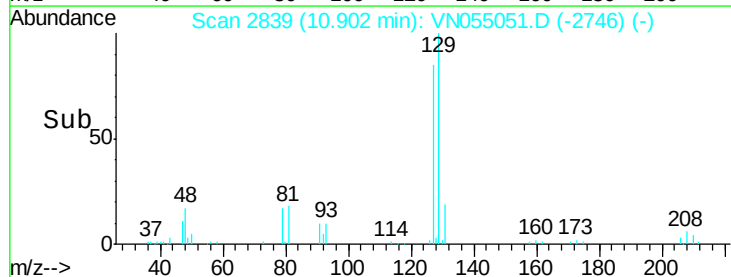
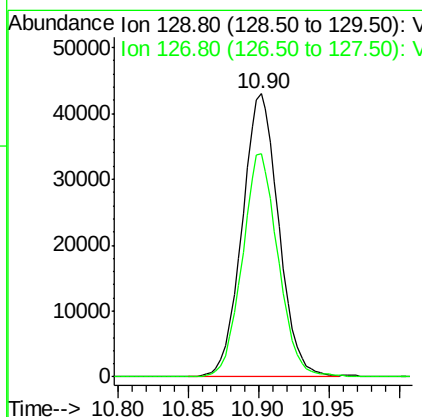
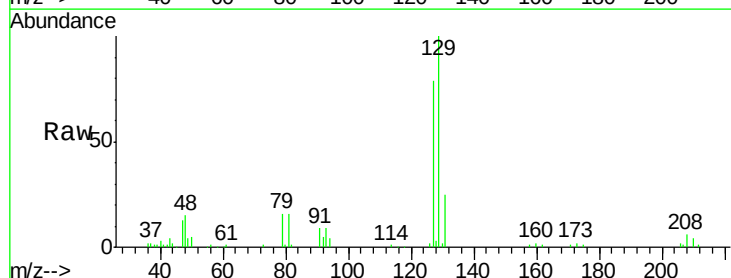
Manual Integrations
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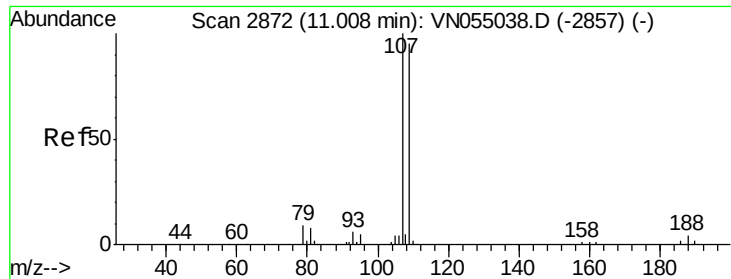
MMDadoda
4/17/2019 10:06:19 AM



#60
Dibromochloromethane
Concen: 19.557 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	129	Resp	78066
Ion Ratio	129	100	
Lower	127	77.2	38.2
Upper			114.6





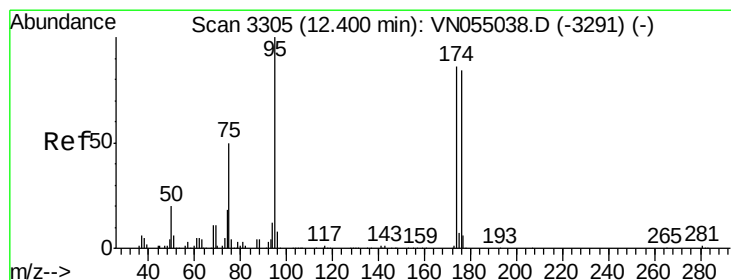
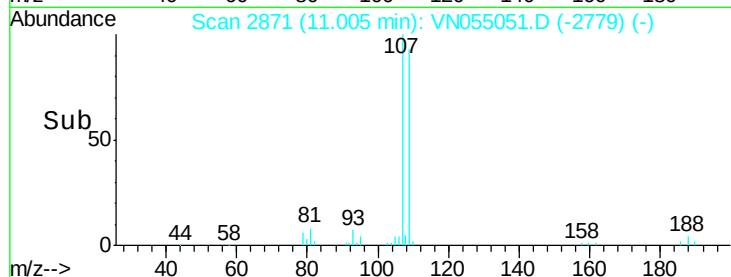
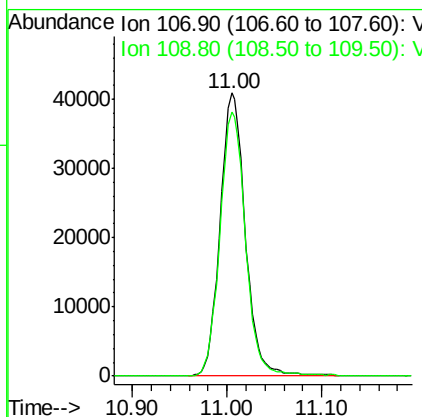
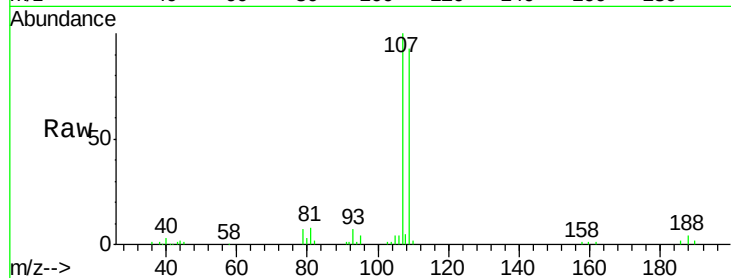
#61
 1,2-Dibromoethane
 Concen: 20.133 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.5	114.7

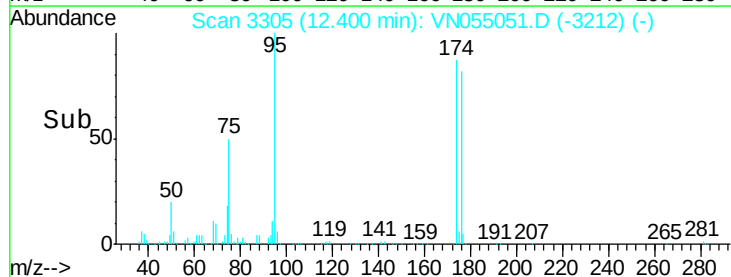
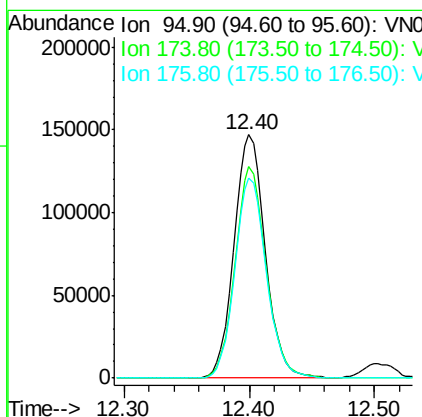
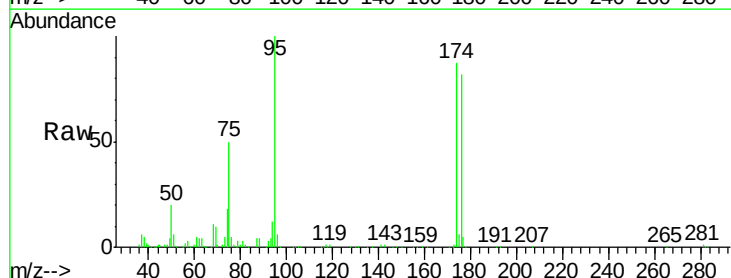
Manual Integrations
 APPROVED

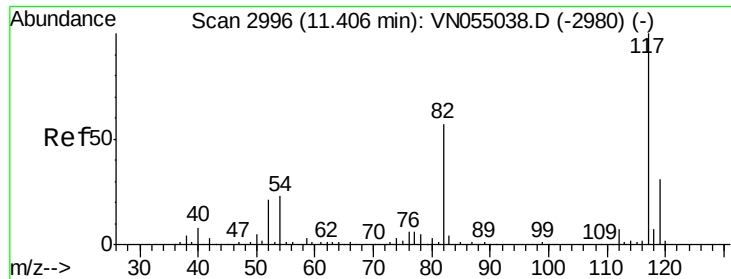
MMDadoda
 4/17/2019 10:06:19 AM



#62
 4-Bromofluorobenzene
 Concen: 50.173 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	174.4
176	82.8	0.0	166.8





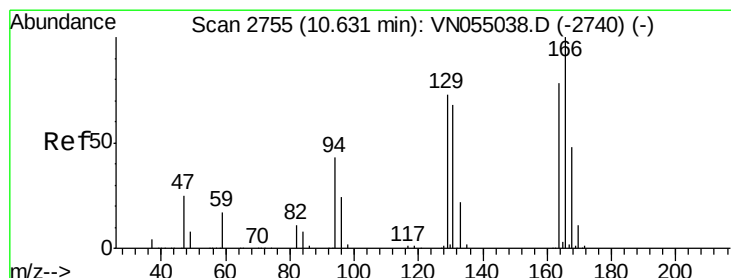
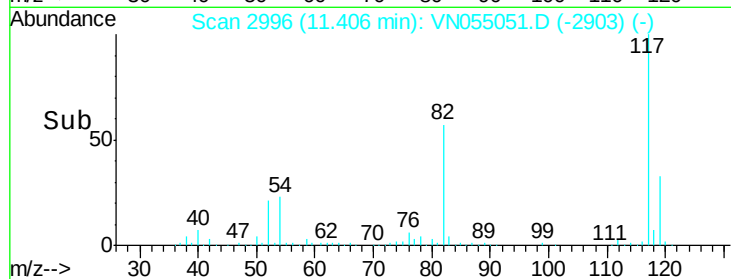
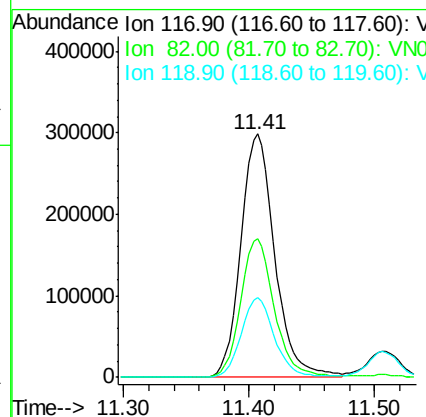
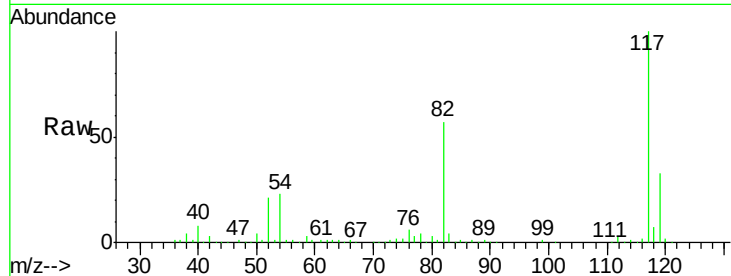
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.6	66.8
119	32.8	25.5	38.3

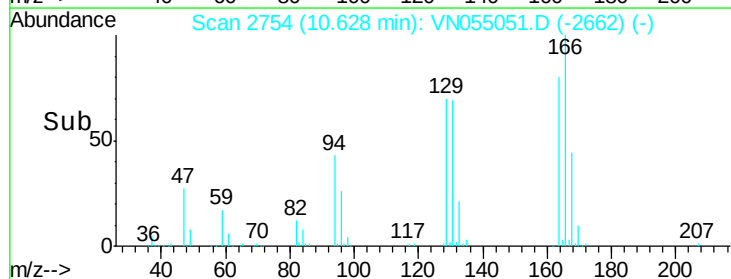
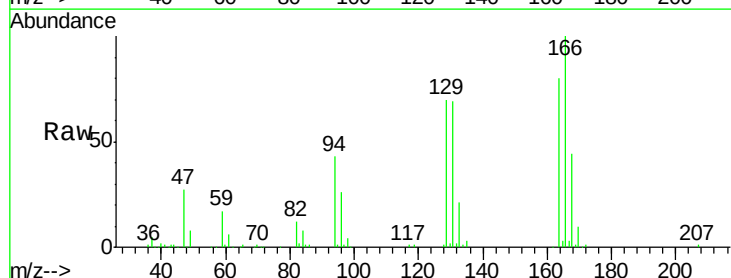
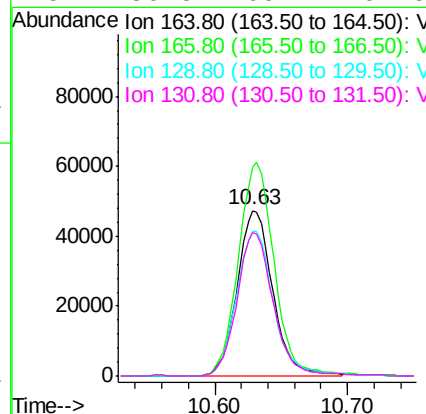
Manual Integrations
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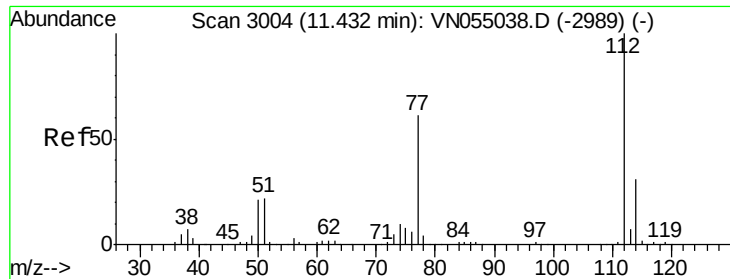
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4/17/2019 10:06:19 AM



#64
Tetrachloroethene
Concen: 19.352 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.0	150.0
129	87.5	72.0	108.0
131	86.8	69.7	104.5





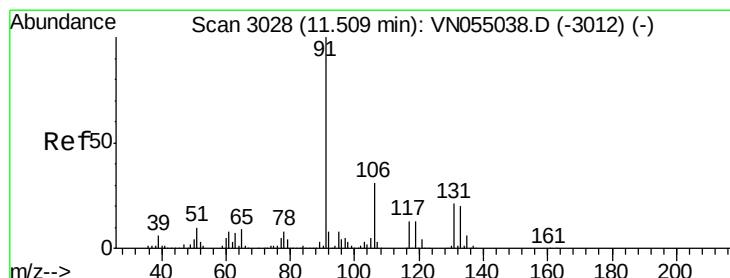
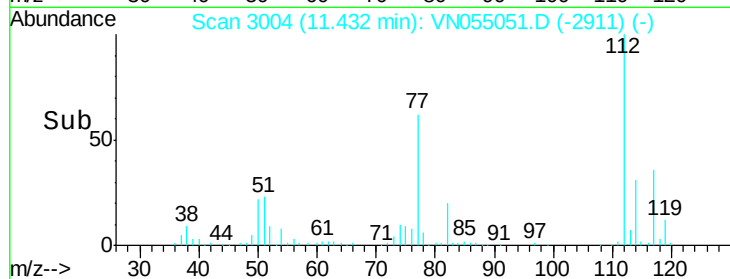
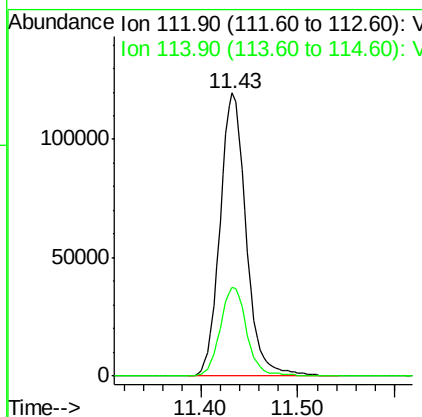
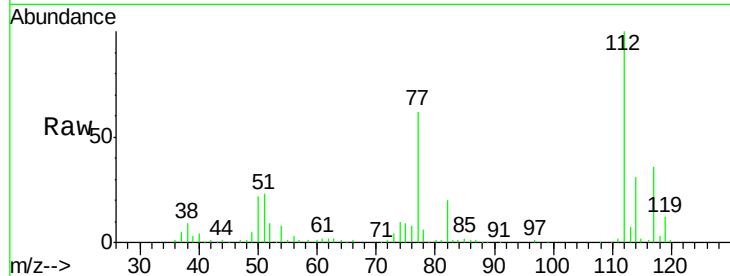
#65
Chlorobenzene
Concen: 19.896 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampled :
VN0415WBS01

Tot Ion:112 Resp: 224867
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9

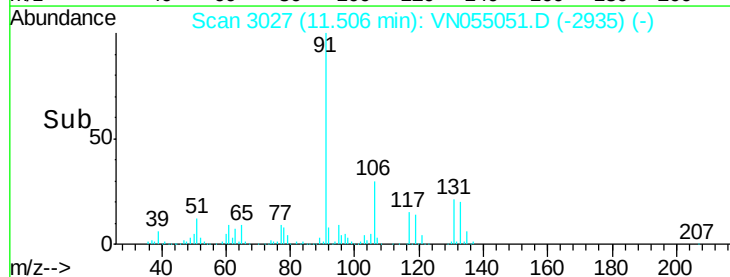
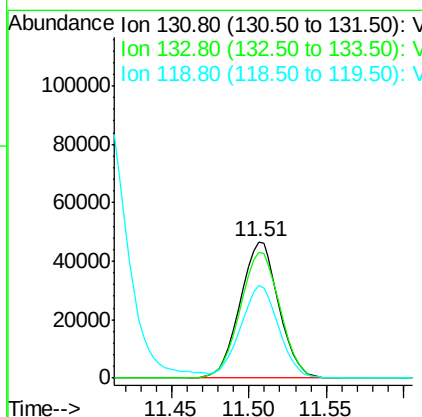
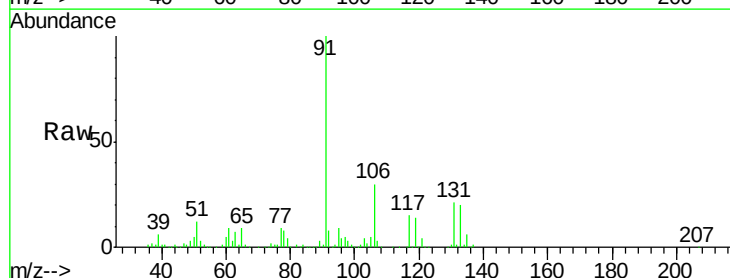
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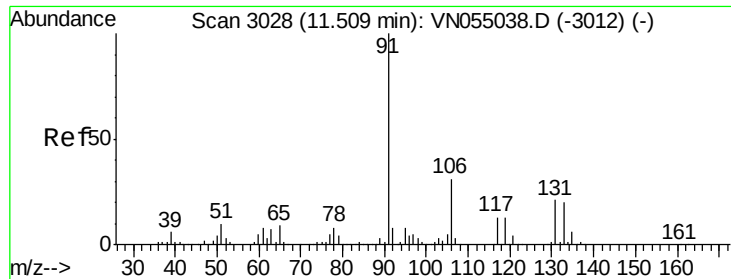
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.504 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion:131 Resp: 81077
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 67.6 33.6 100.6





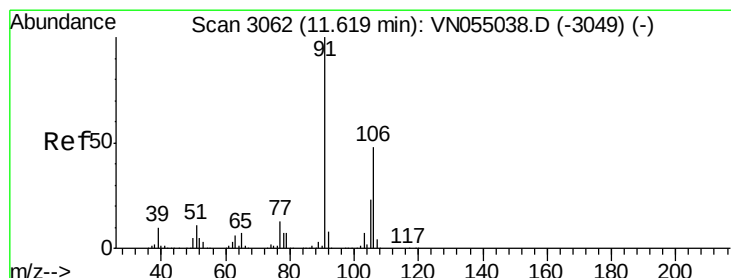
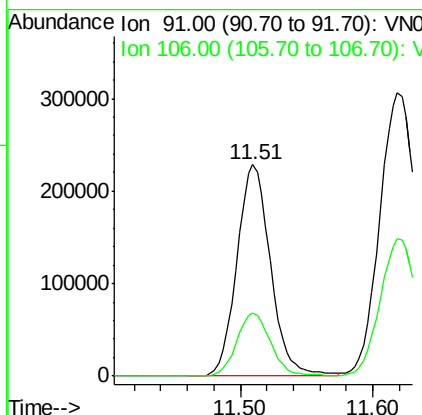
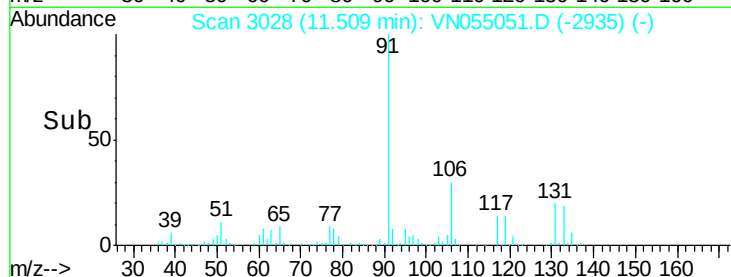
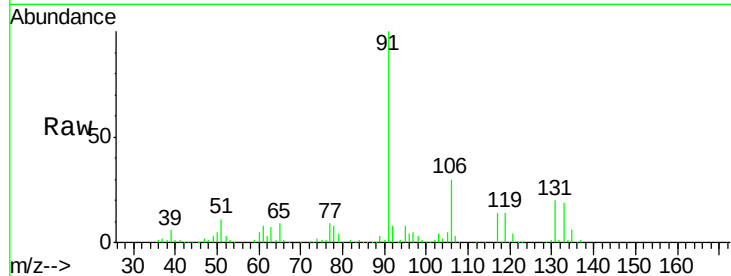
#67
Ethyl Benzene
Concen: 19.939 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampled :
VN0415WBS01

Tot Ion: 91 Resp: 402446
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5

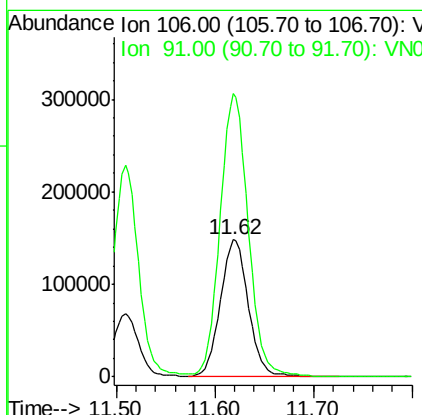
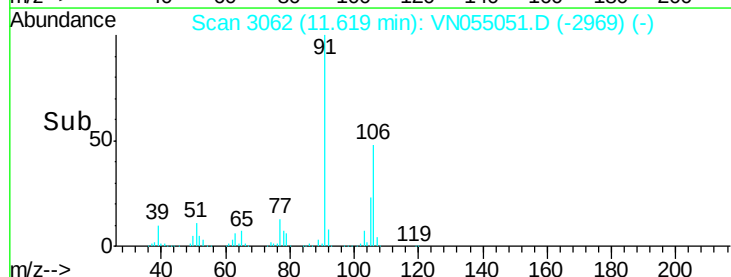
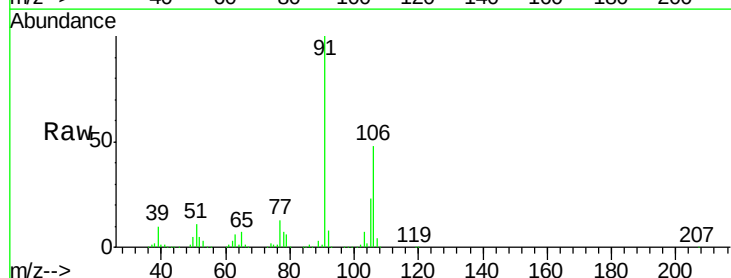
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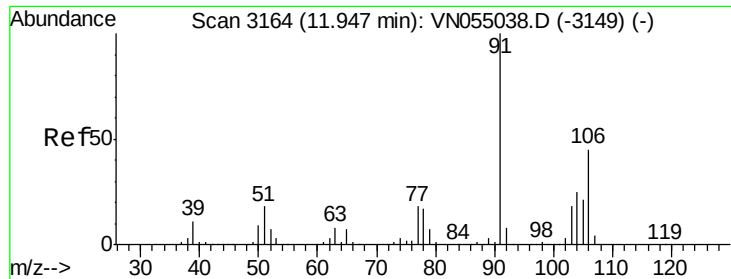
MMDadoda
4/17/2019 10:06:19 AM



#68
m/p-Xylenes
Concen: 40.574 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion: 106 Resp: 296549
Ion Ratio Lower Upper
106 100
91 207.8 165.9 248.9





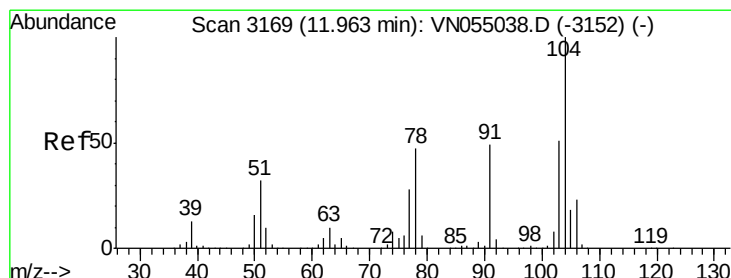
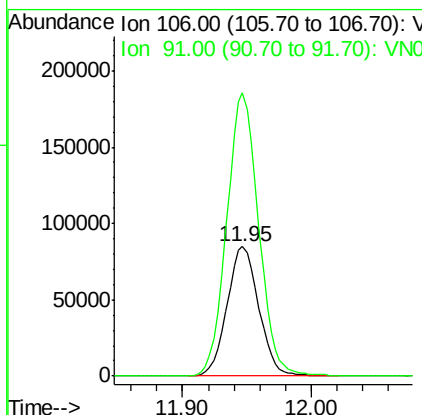
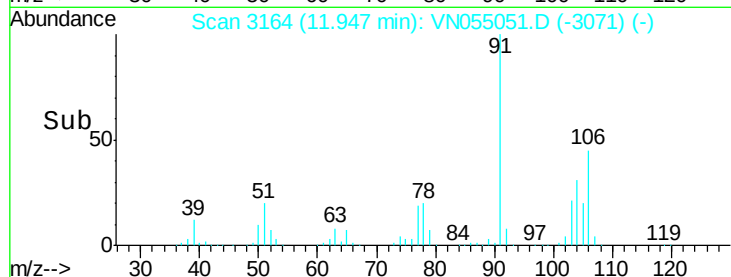
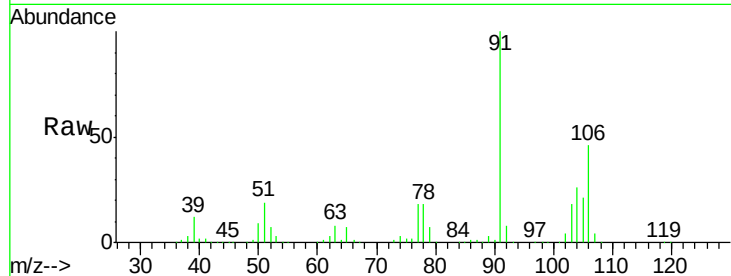
#69
o-Xylene
Concen: 20.518 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampled :
VN0415WBS01

Tot Ion:106 Resp: 145248
Ion Ratio Lower Upper
106 100
91 219.6 109.9 329.8

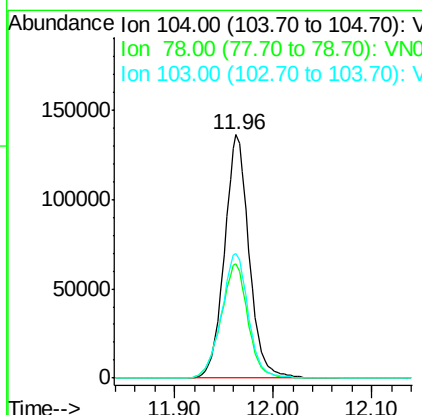
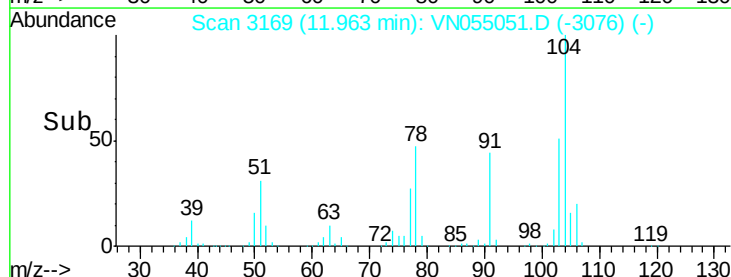
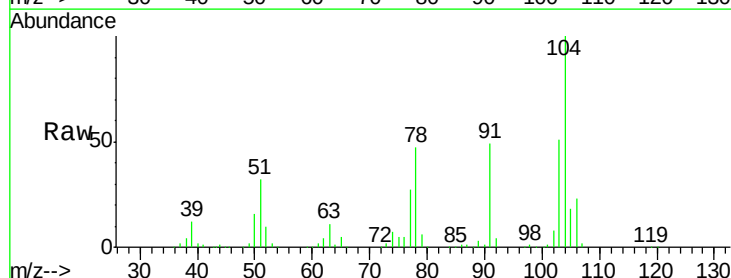
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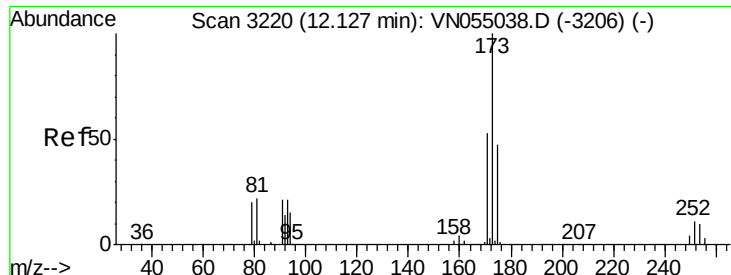
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#70
Styrene
Concen: 20.789 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion:104 Resp: 238214
Ion Ratio Lower Upper
104 100
78 51.4 40.3 60.5
103 56.1 44.3 66.5





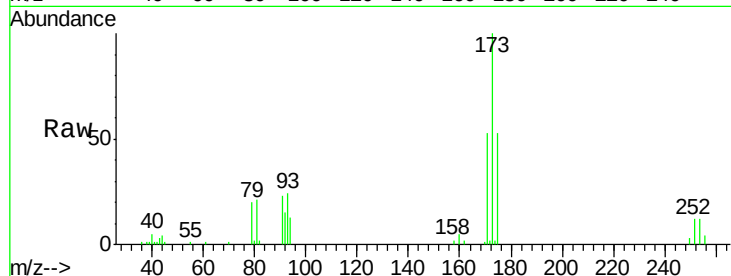
#71
Bromoform
Concen: 19.776 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

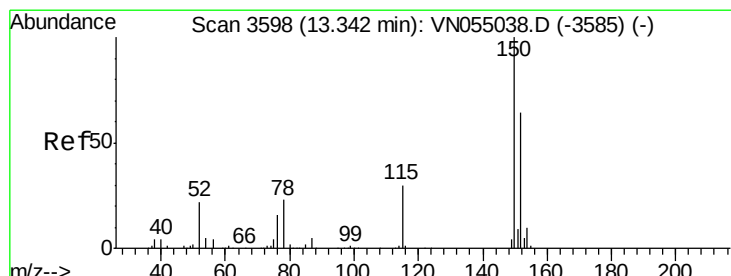
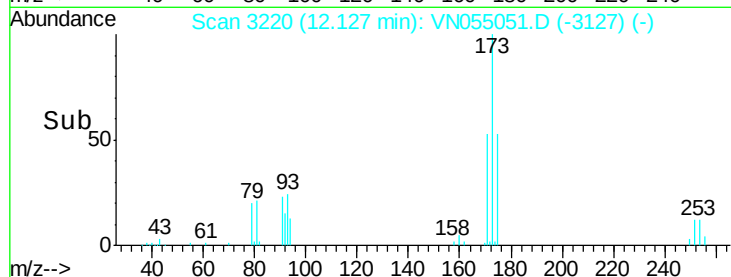
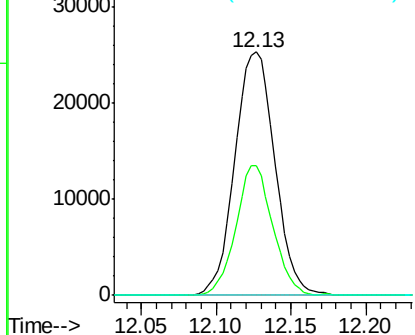
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	73.0
254	0.0	0.1	0.1#

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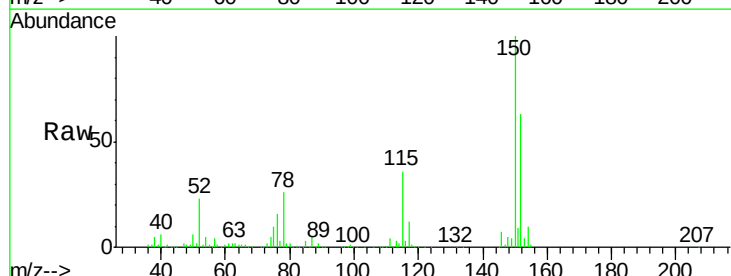


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

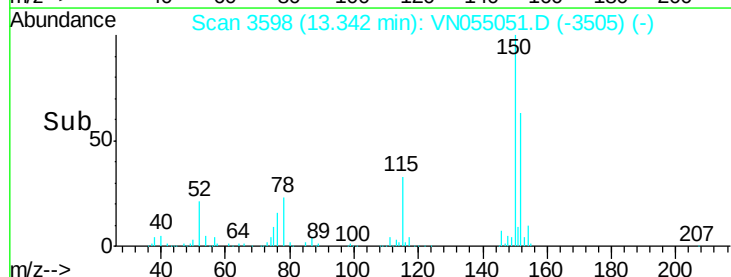
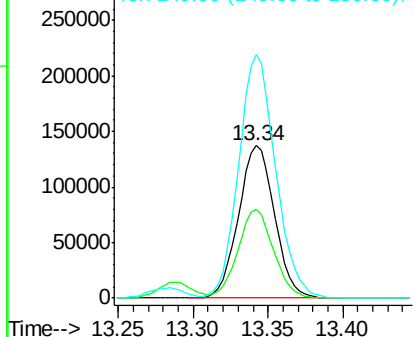


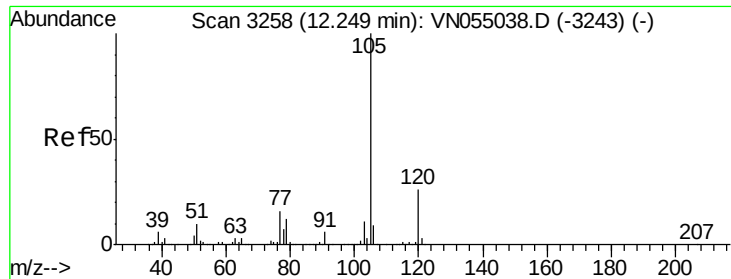
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.5	85.6
150	163.4	0.0	347.2



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: 18.850 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

ClientSampled :

VN0415WBS01

Tot Ion:105 Resp: 384400

Ion Ratio Lower Upper

105 100

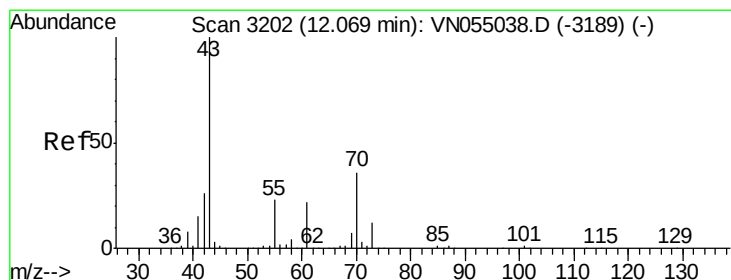
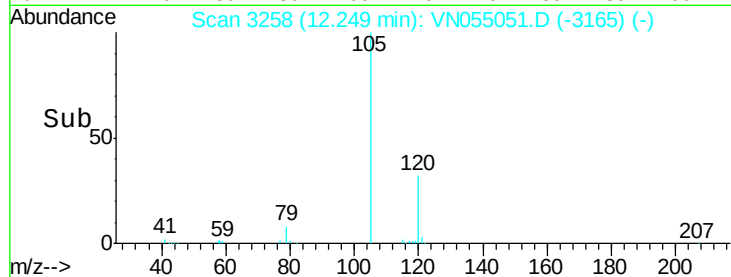
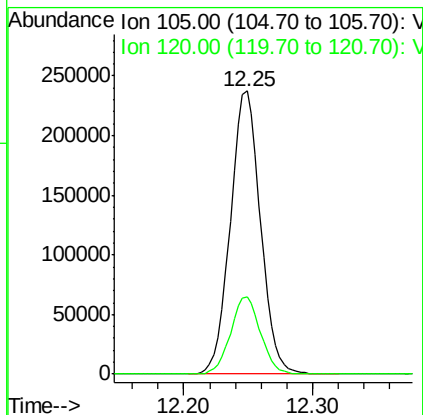
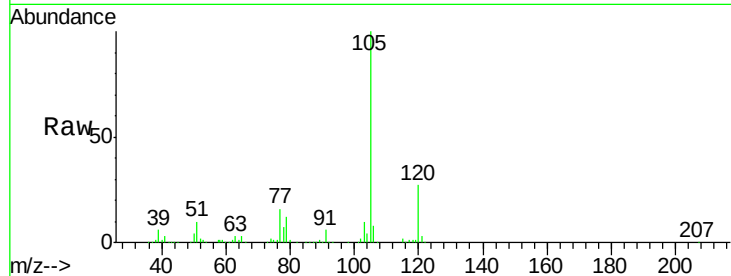
120 27.0 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.472 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion: 43 Resp: 111778

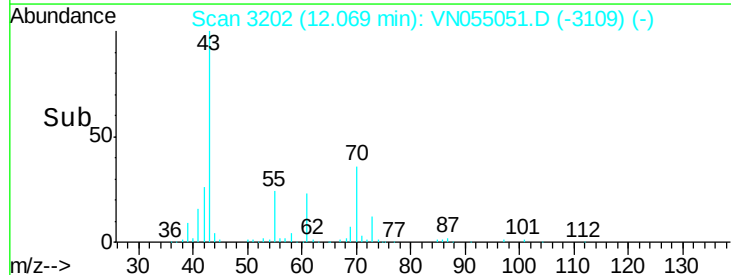
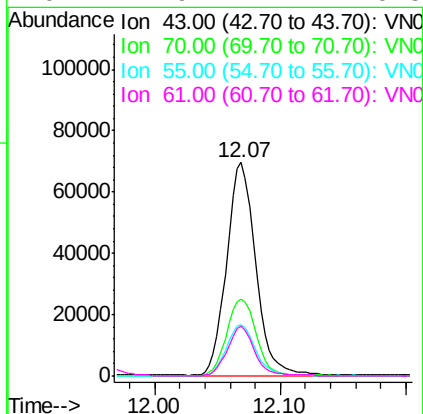
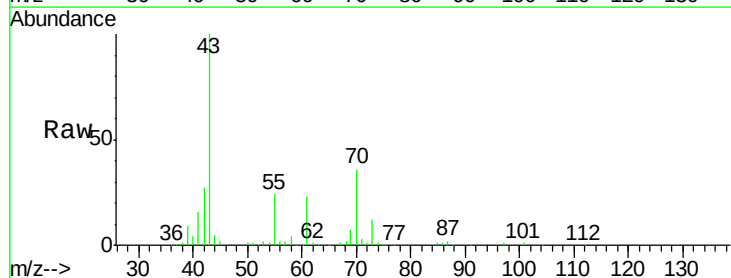
Ion Ratio Lower Upper

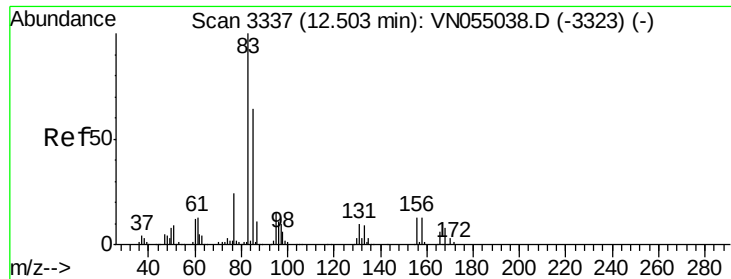
43 100

70 37.3 29.4 44.0

55 24.3 19.0 28.4

61 21.9 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.137 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

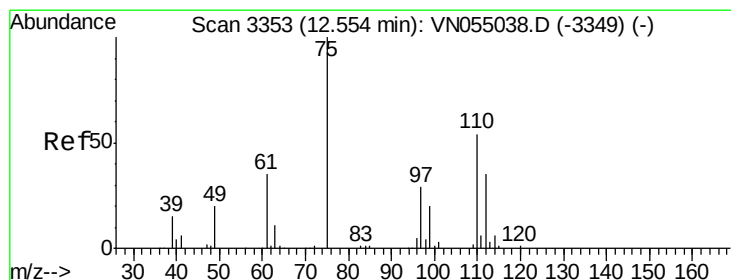
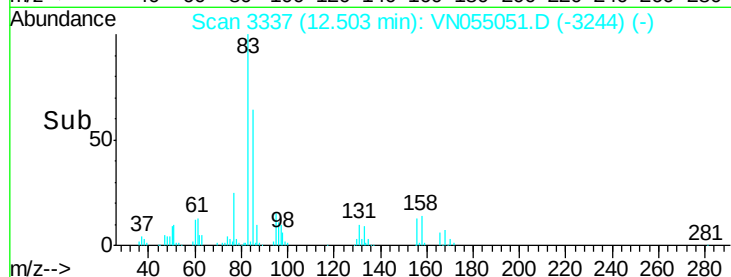
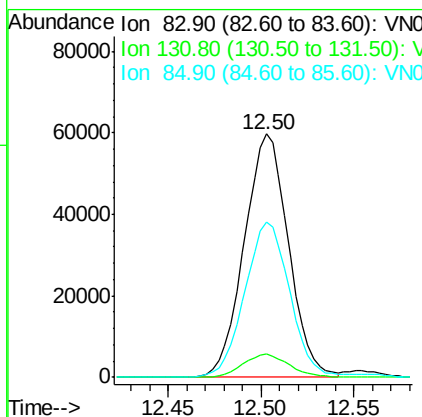
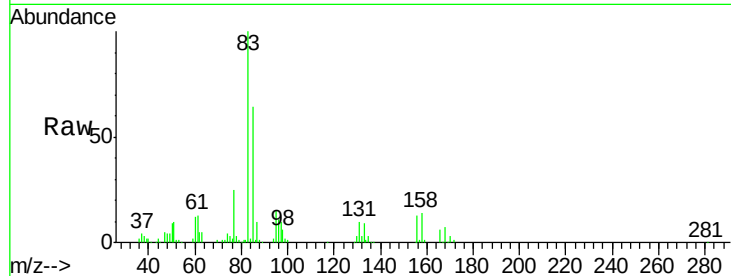
ClientSampleId :

VN0415WBS01

Tot Ion:	83	Resp:	98966
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	65.1	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.882 ug/l m

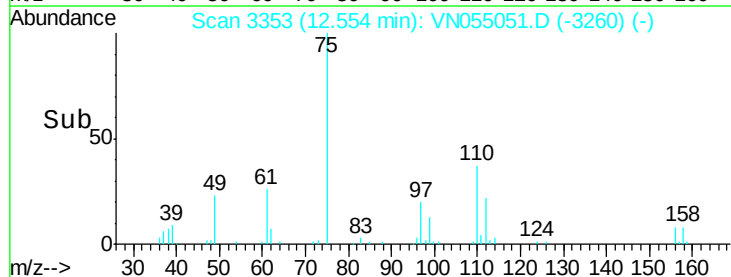
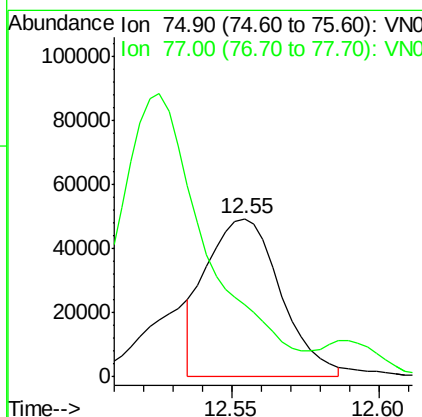
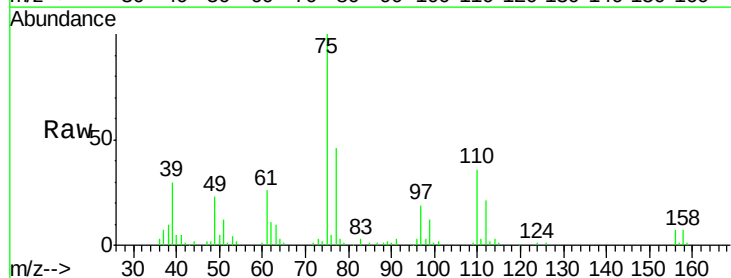
RT: 12.55 min Scan# 3353

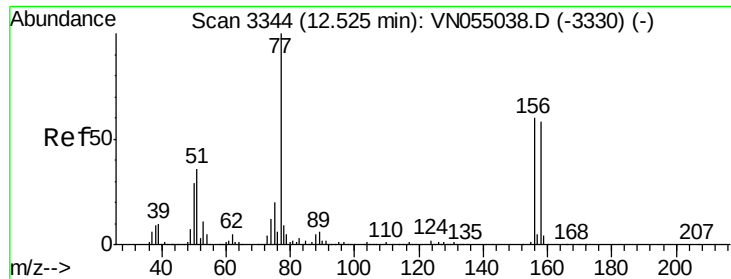
Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion:	75	Resp:	86293
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.632 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

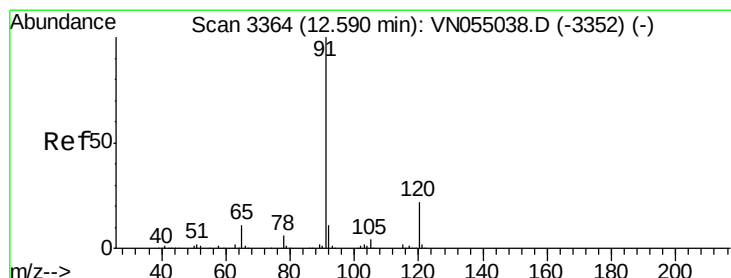
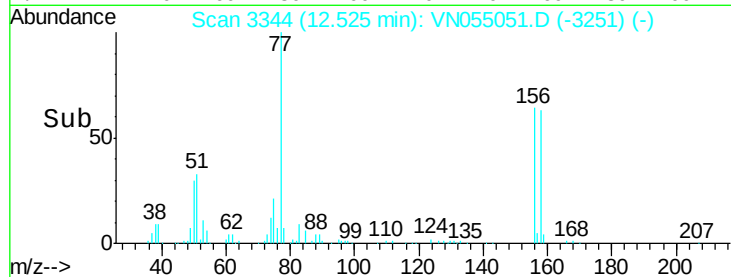
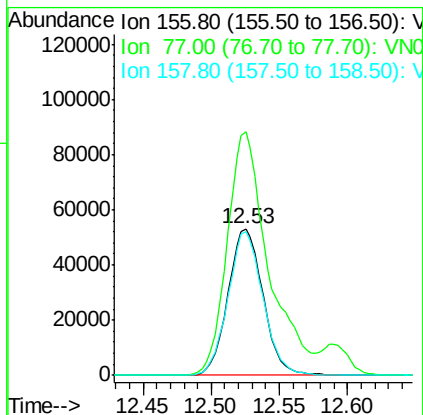
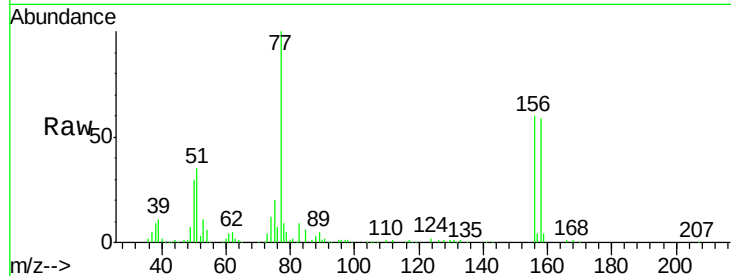
ClientSampled :

VN0415WBS01

Tot Ion:	156	Resp:	94723
Ion Ratio	Lower	Upper	
156	100		
77	196.3	97.2	291.5
158	98.0	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.278 ug/l

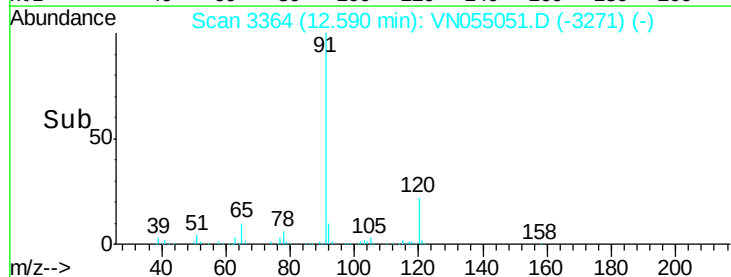
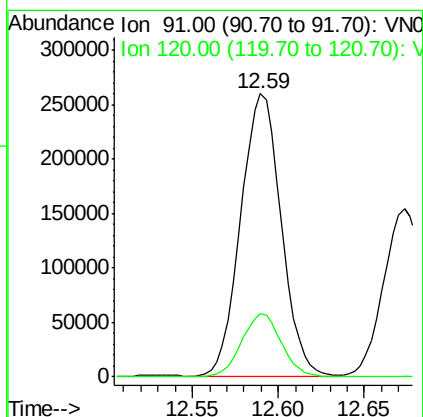
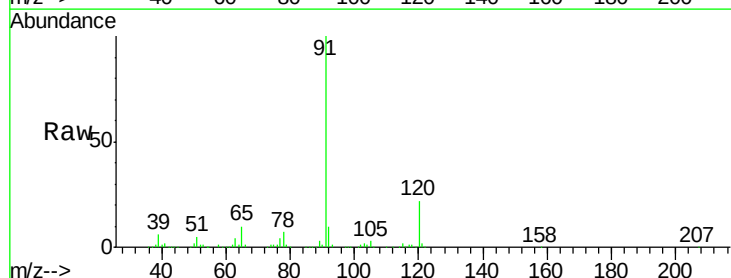
RT: 12.59 min Scan# 3364

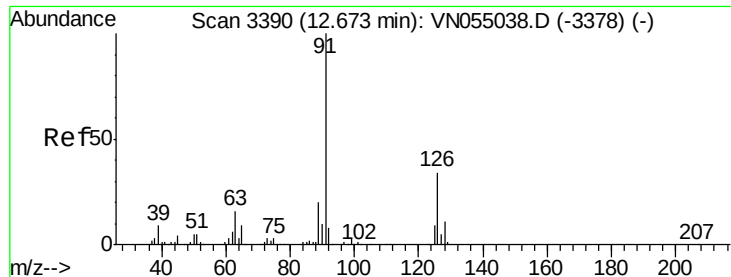
Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion:	91	Resp:	424736
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.086 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion: 91 Resp: 262289

Ion Ratio Lower Upper

91 100

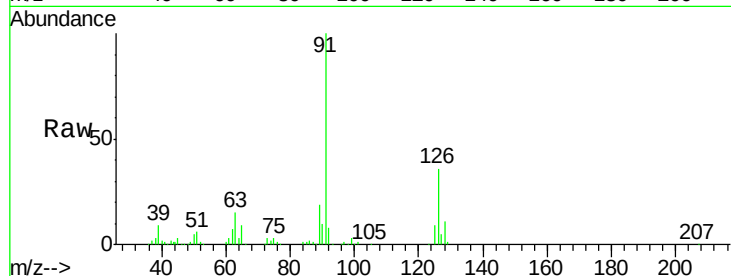
126 34.8 17.1 51.2

Manual Integrations

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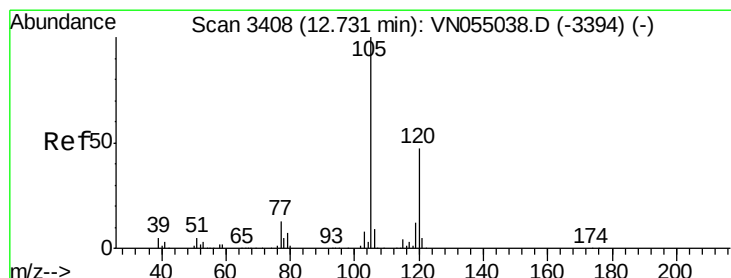
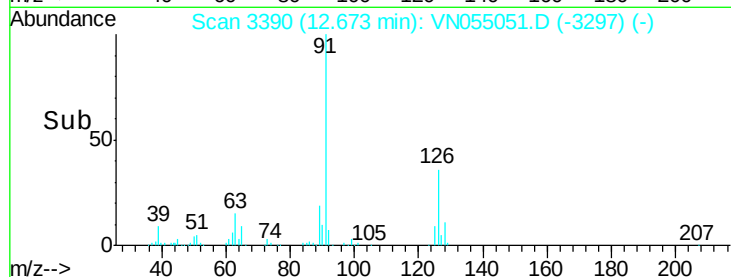
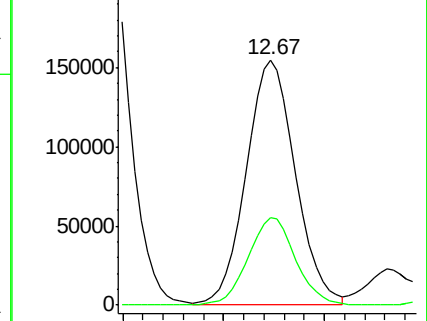
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Abundance Ion 91.00 (90.70 to 91.70): VN055051.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055051.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.074 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055051.D

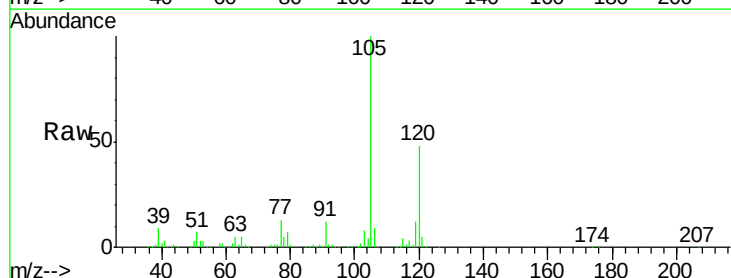
Acq: 15 Apr 2019 19:08

Tgt Ion: 105 Resp: 313888

Ion Ratio Lower Upper

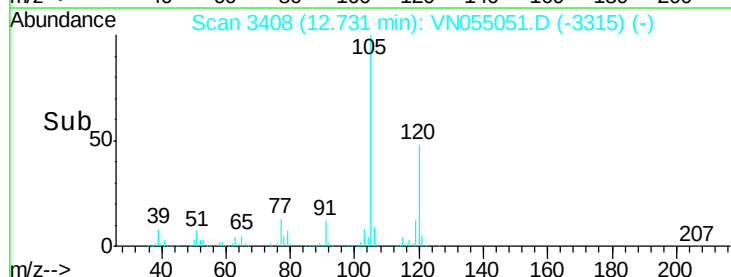
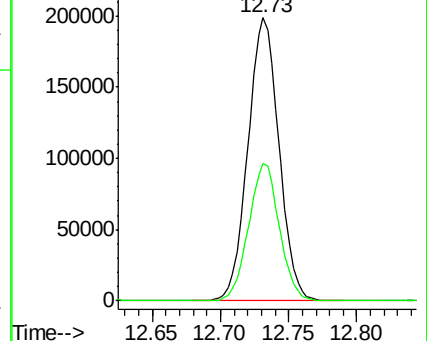
105 100

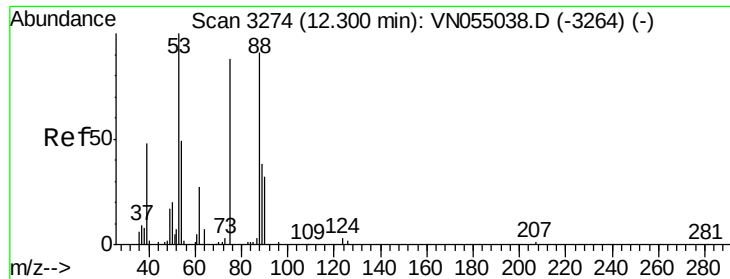
120 48.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055051.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055051.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.691 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

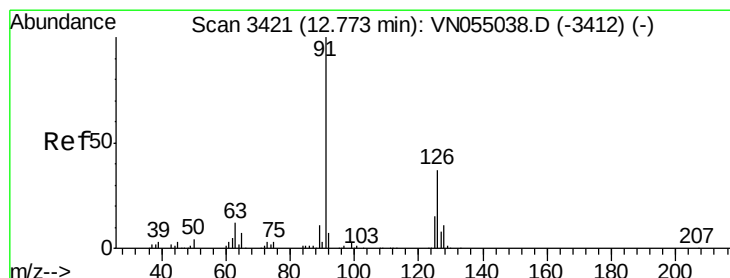
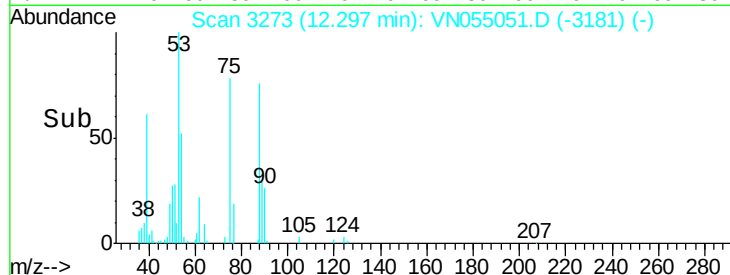
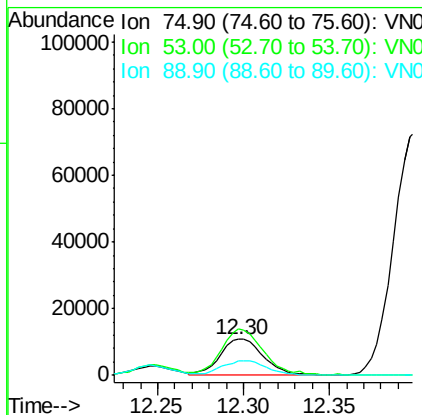
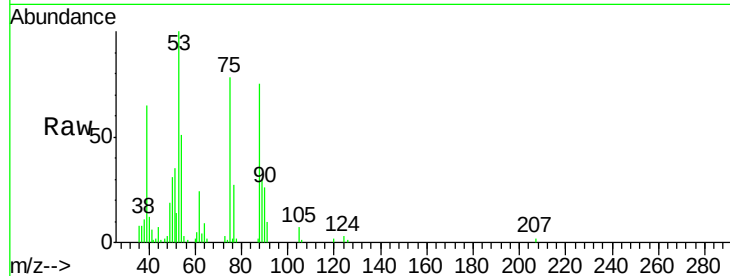
ClientSampleId :

VN0415WBS01

Tot Ion:	75	Resp:	19316
Ion	Ratio	Lower	Upper
75	100		
53	120.4	96.3	144.5
89	41.0	38.6	57.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.284 ug/l

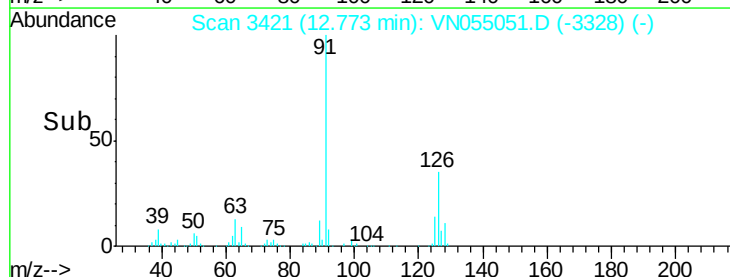
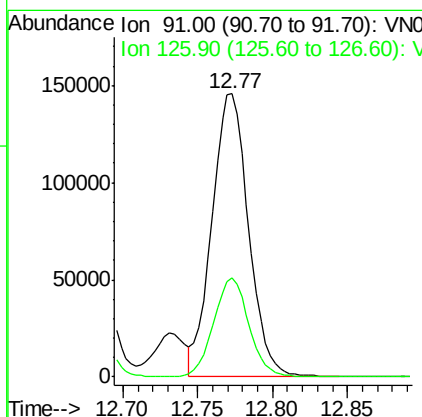
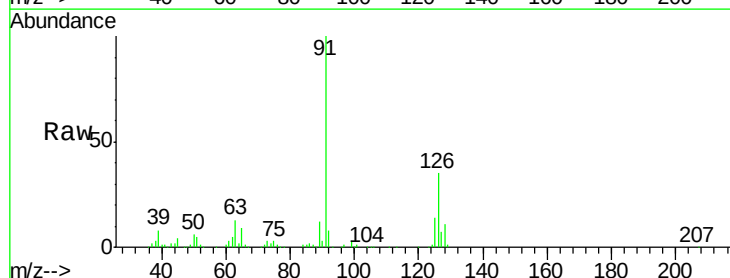
RT: 12.77 min Scan# 3421

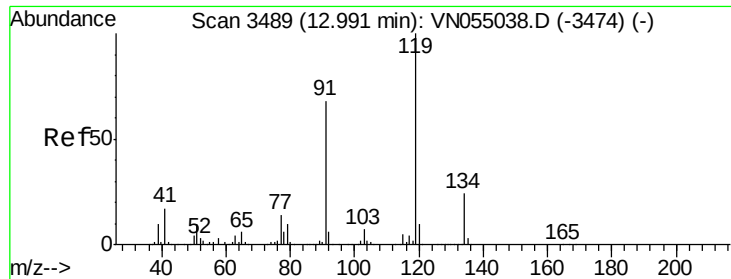
Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion:	91	Resp:	247250
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.4	49.2





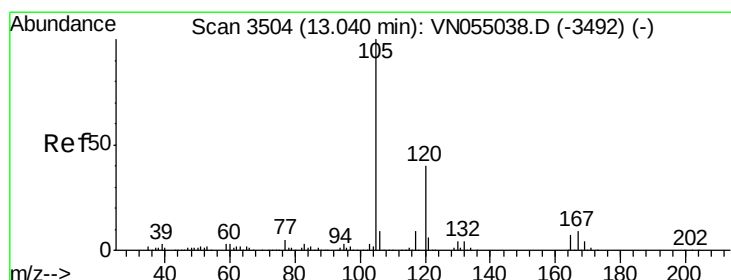
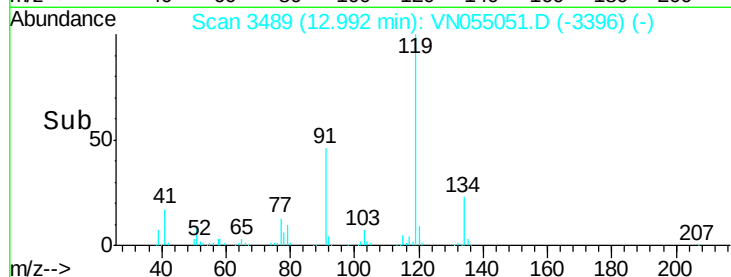
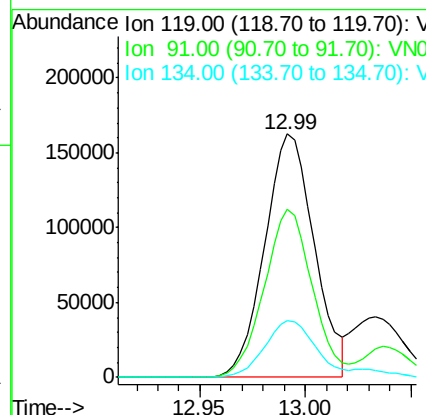
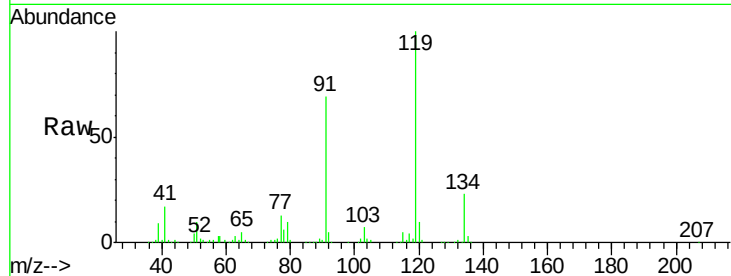
#83
 tert-Butylbenzene
 Concen: 19.128 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	265846		
91	67.1		33.3	99.8
134	24.0		12.3	36.9

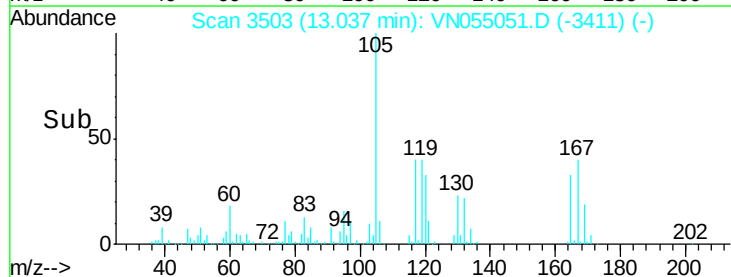
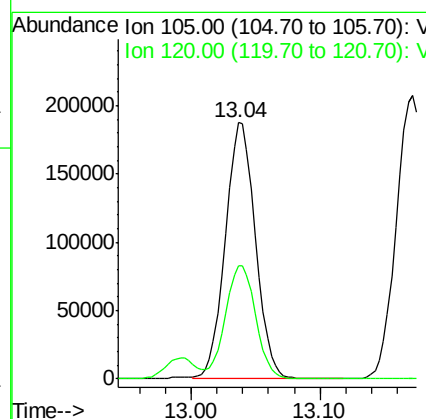
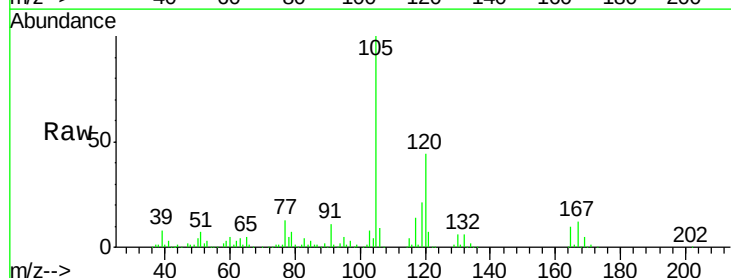
Manual Integrations
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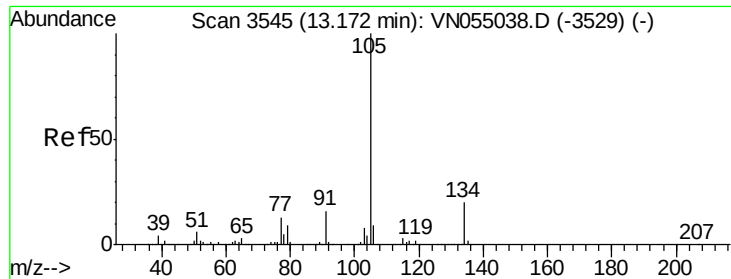
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.466 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	303589		
120	44.5		22.4	67.3





#85

sec-Butylbenzene

Concen: 19.168 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS01

Tot Ion:105 Resp: 339457

Ion Ratio Lower Upper

105 100

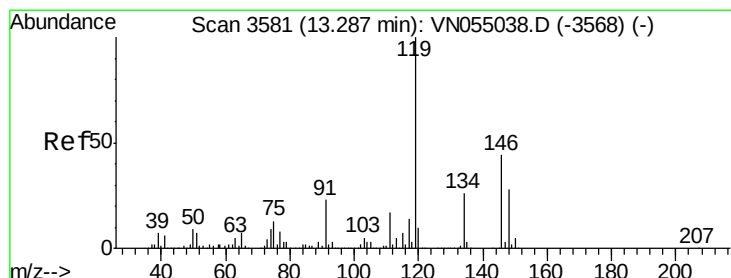
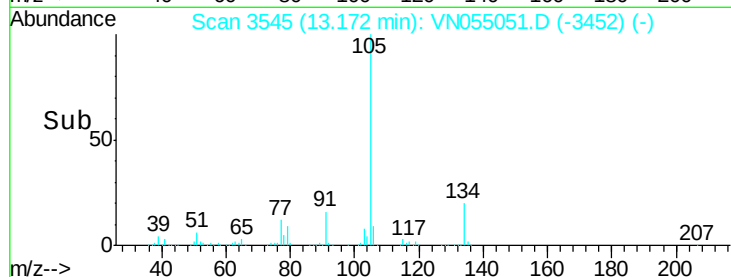
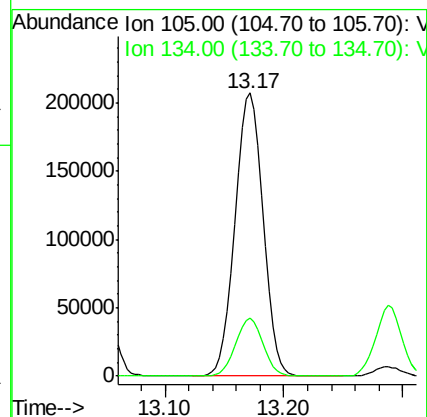
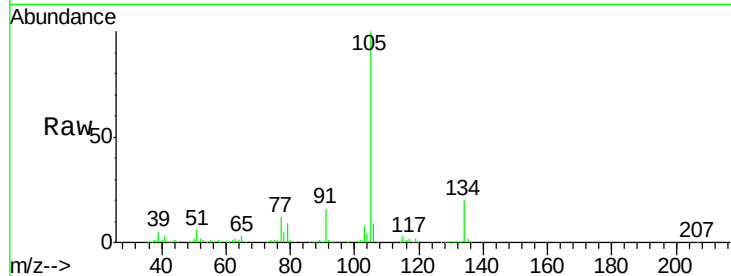
134 19.9 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.444 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

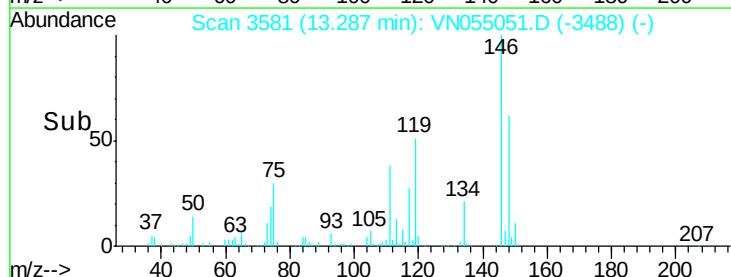
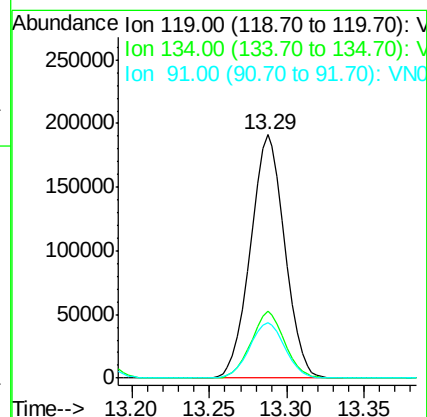
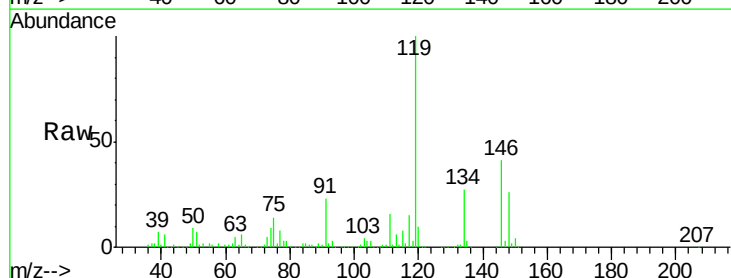
Tgt Ion:119 Resp: 295422

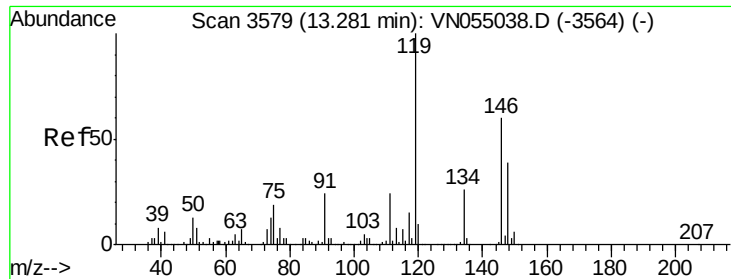
Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.5

91 23.6 11.7 35.1





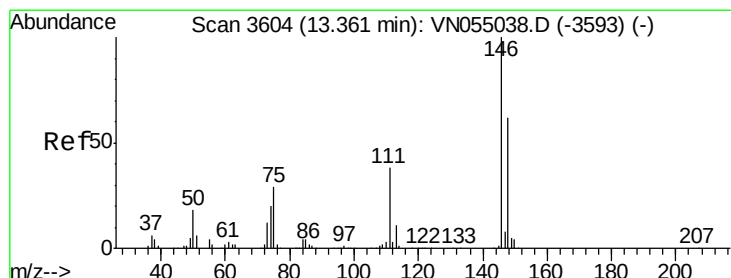
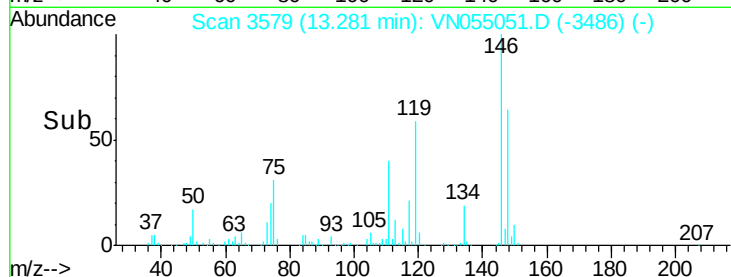
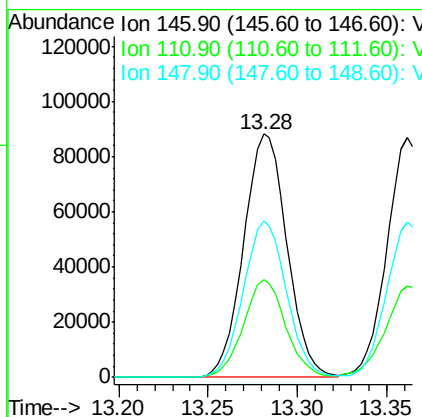
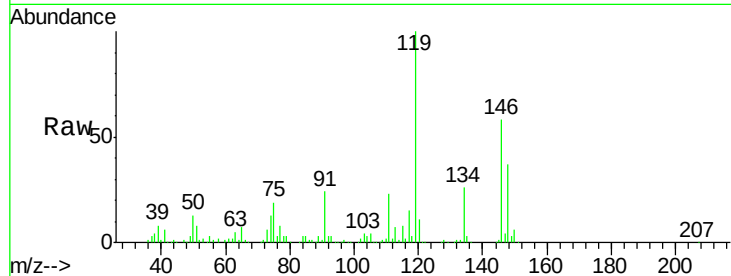
#87
 1,3-Dichlorobenzene
 Concen: 19.332 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	64.2	31.6	94.7

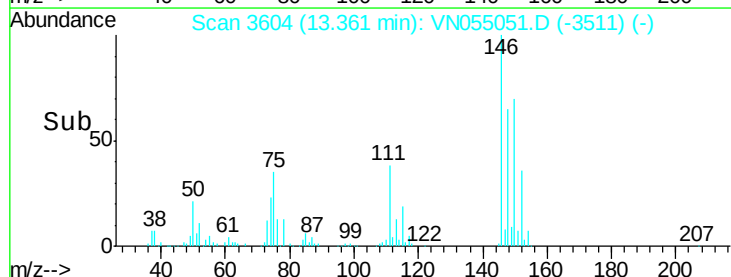
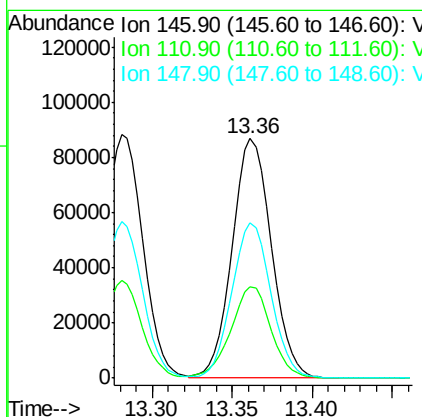
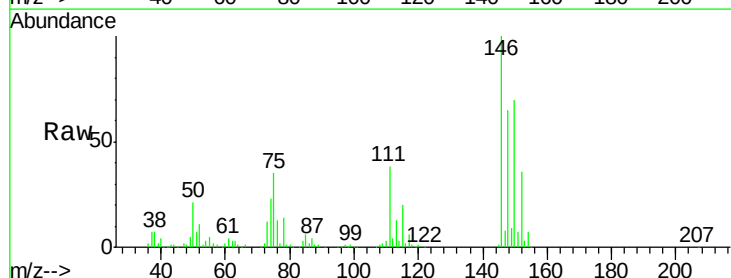
Manual Integrations
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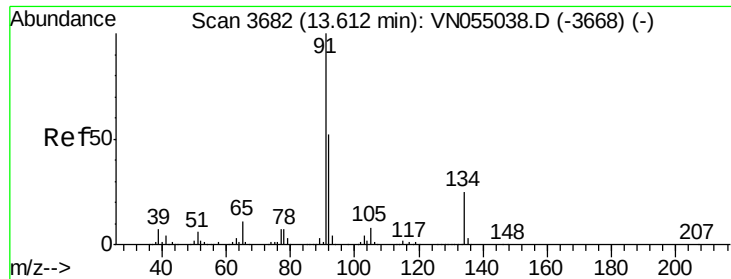
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 4/17/2019 10:06:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.721 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.8	56.4
148	64.4	32.4	97.2





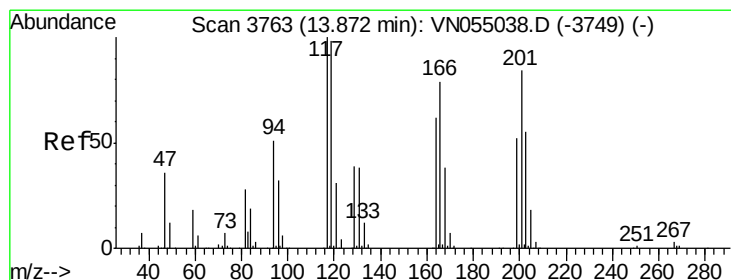
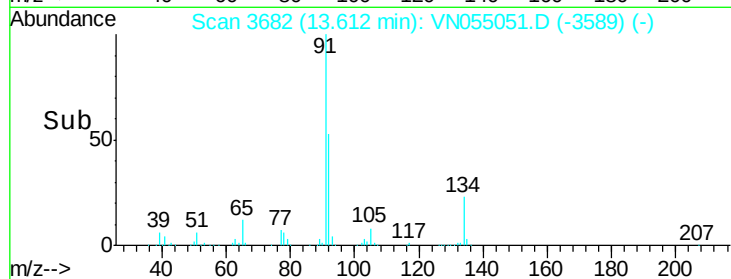
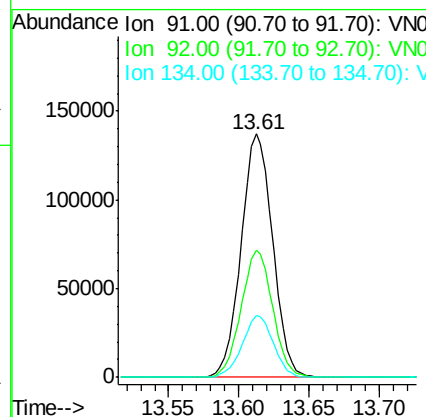
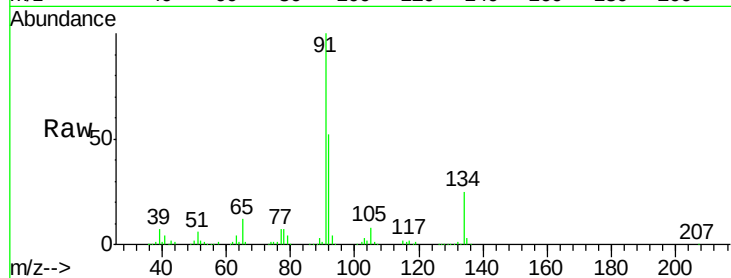
#89
n-Butylbenzene
Concen: 19.141 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.1	25.9	77.7	
134	24.9	12.8	38.3	

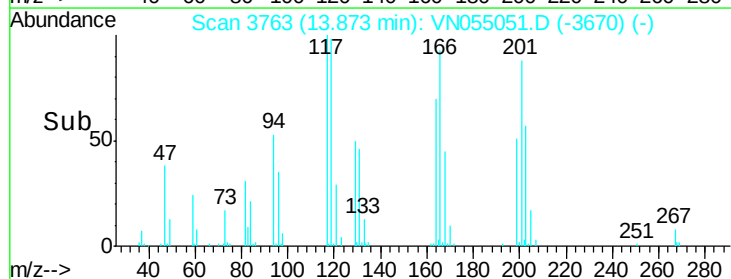
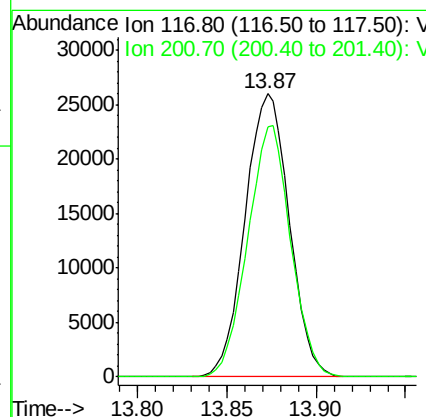
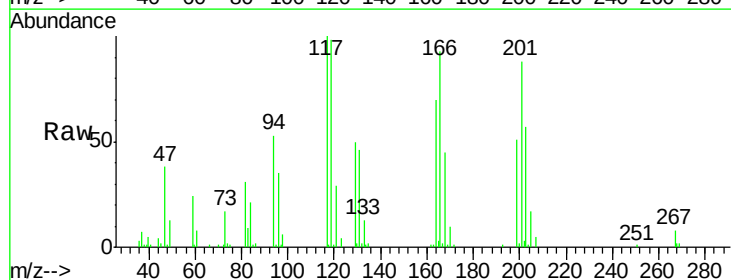
Manual Integrations
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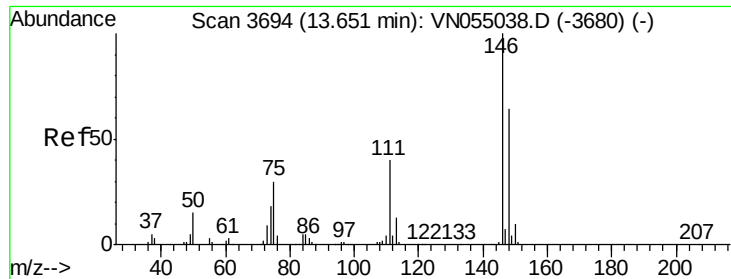
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#90
Hexachloroethane
Concen: 18.201 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055051.D
Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.4	43.4	130.2	





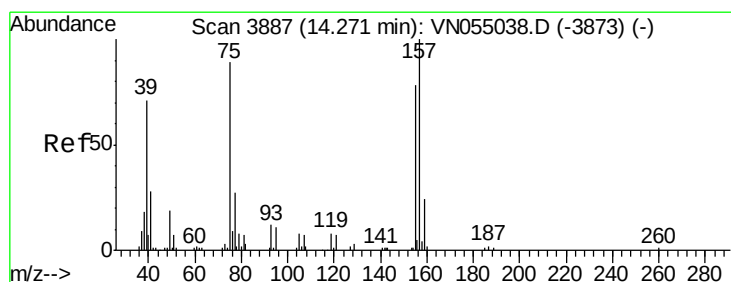
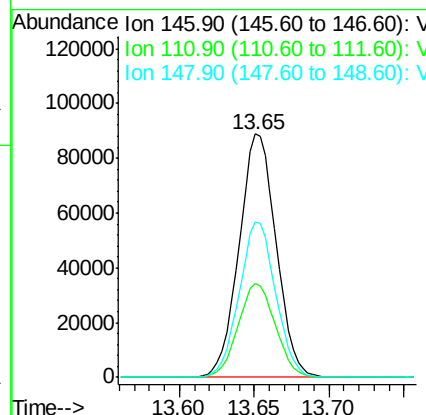
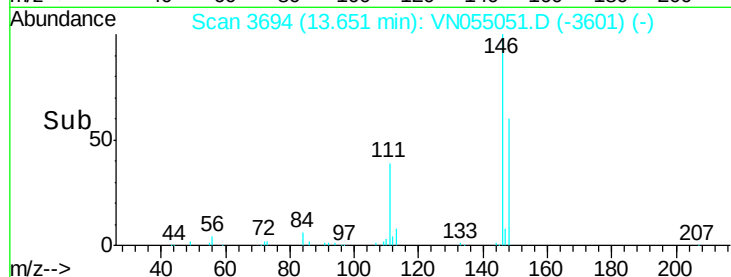
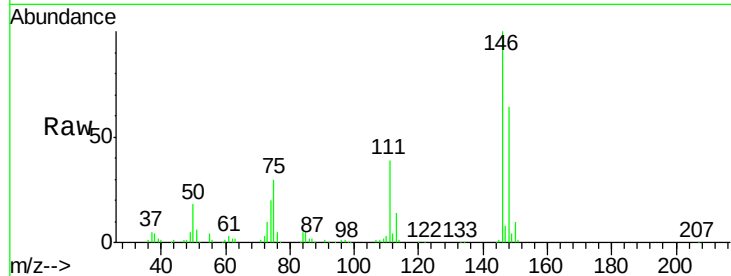
#91
 1,2-Dichlorobenzene
 Concen: 19.682 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.3	60.9
148	62.8	32.2	96.6

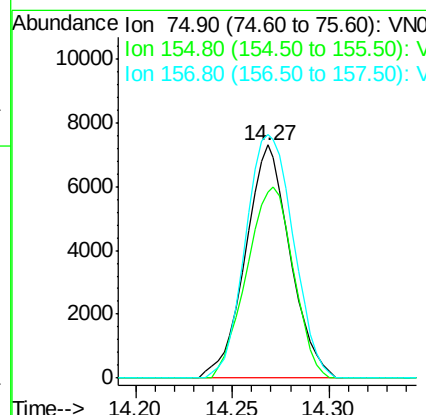
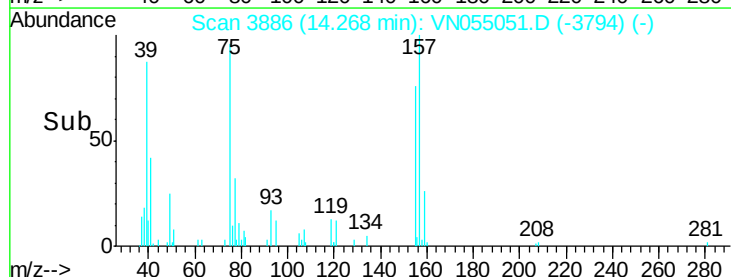
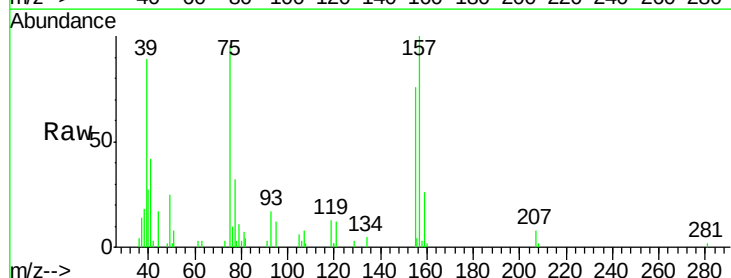
Manual Integrations
 APPROVED

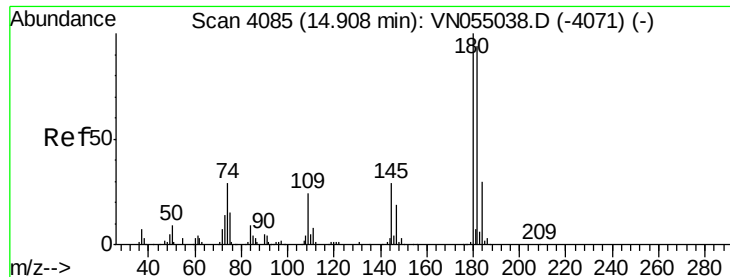
MMDadoda
 4/17/2019 10:06:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.476 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	42.0	126.0
157	112.1	52.1	156.4





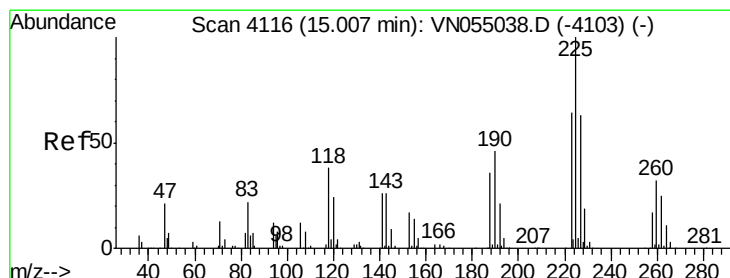
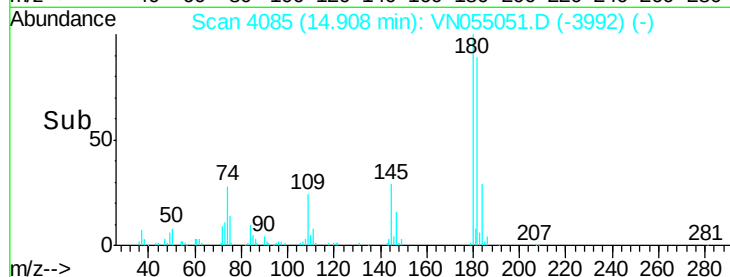
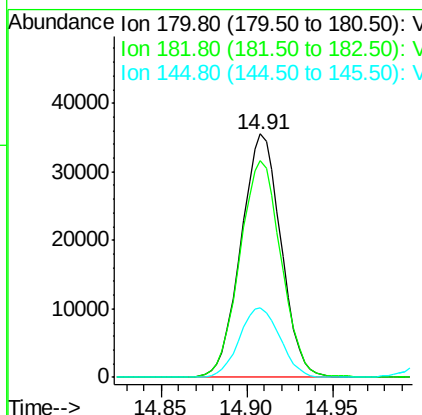
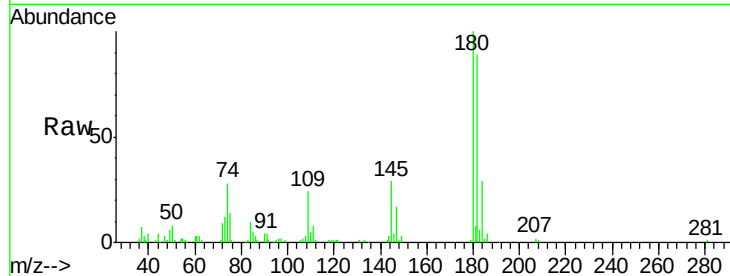
#93
 1,2,4-Trichlorobenzene
 Concen: 18.023 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.5	142.6
145	29.1	14.2	42.8

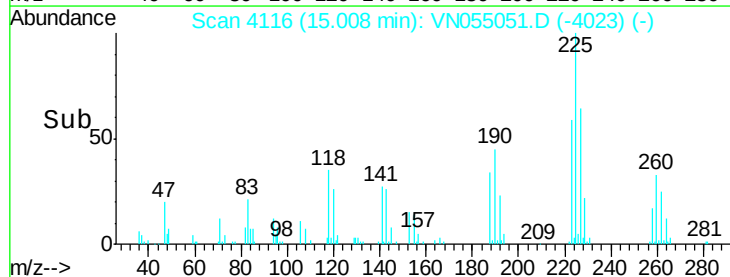
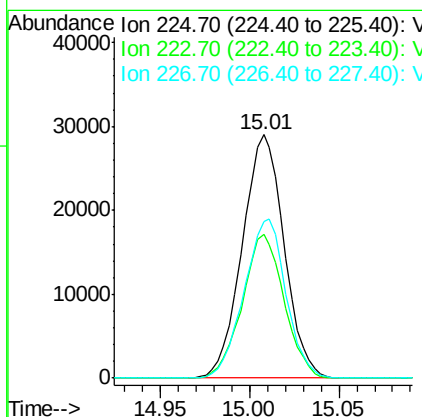
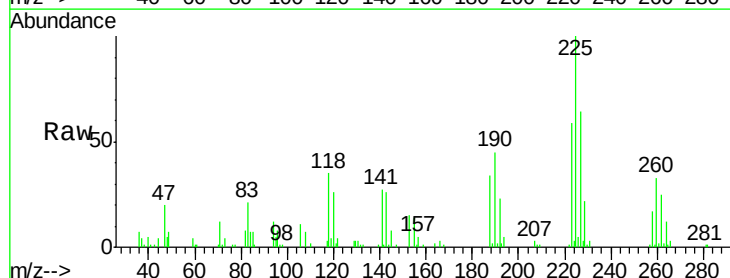
Manual Integrations
 APPROVED

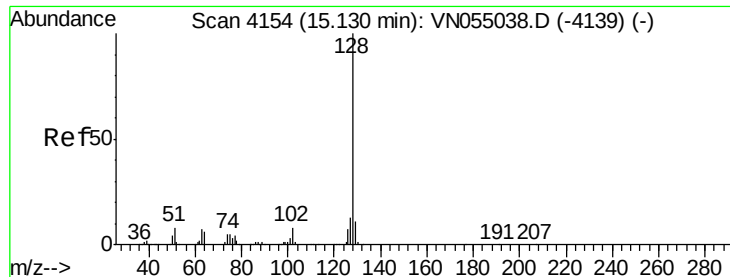
MMDadoda
 4/17/2019 10:06:19 AM



#94
 Hexachlorobutadiene
 Concen: 19.742 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055051.D
 Acq: 15 Apr 2019 19:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.8	31.4	94.0
227	65.3	32.6	97.7





#95

Naphthalene

Concen: 17.268 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Instrument :

MSVOA_N

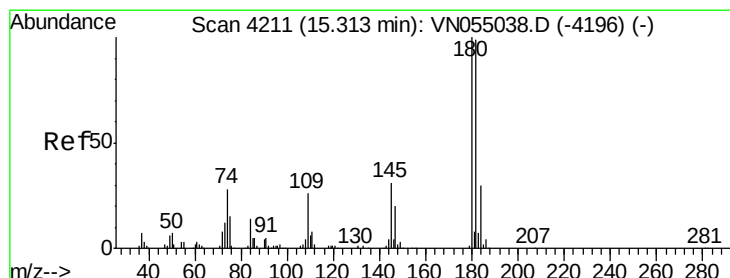
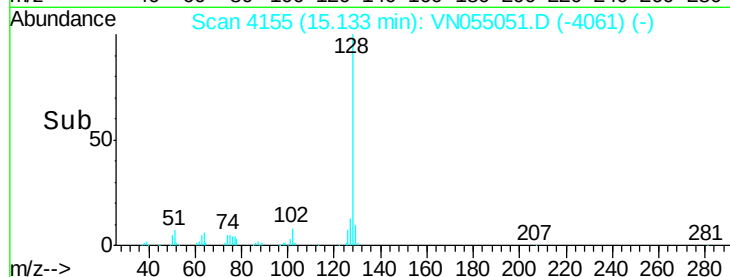
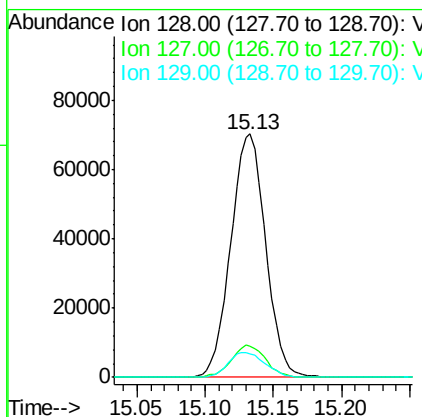
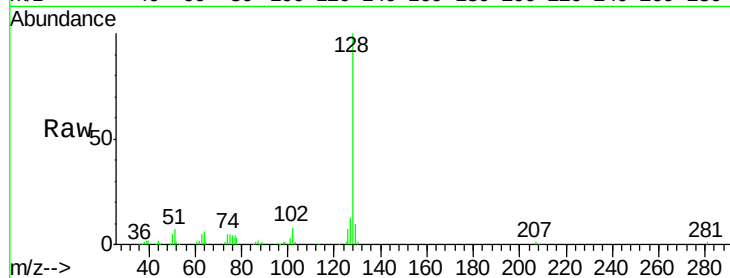
ClientSampleId :

VN0415WBS01

Tot Ion:	128	Resp:	124658
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:06:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.826 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055051.D

Acq: 15 Apr 2019 19:08

Tgt Ion:	180	Resp:	59466
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.0	144.0
145	31.1	15.3	45.9

