

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042419\
 Data File : VN055221.D
 Acq On : 24 Apr 2019 12:20
 Operator : JC/SP
 Sample : VN0424WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:40:07 PM

Quant Time: Apr 25 04:40:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	399954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	649800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	553919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205538	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	279892	51.70	ug/l	0.00
Spiked Amount						
			Recovery	=	103.40%	
35) Dibromofluoromethane	7.59	113	215722	48.87	ug/l	0.00
Spiked Amount						
			Recovery	=	97.74%	
50) Toluene-d8	10.09	98	793933	48.54	ug/l	0.00
Spiked Amount						
			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	248434	47.96	ug/l	0.00
Spiked Amount						
			Recovery	=	95.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	114707	22.275	ug/l	98
3) Chloromethane	2.06	50	131974	20.915	ug/l	100
4) Vinyl Chloride	2.19	62	103734	20.516	ug/l	97
5) Bromomethane	2.56	94	56916	19.410	ug/l	98
6) Chloroethane	2.70	64	53441	20.053	ug/l	97
7) Trichlorofluoromethane	3.02	101	146814	21.337	ug/l	100
8) Diethyl Ether	3.41	74	54040	22.004	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	85086	19.817	ug/l	98
10) Methyl Iodide	3.96	142	127627	21.197	ug/l	100
11) Tert butyl alcohol	4.79	59	39936	126.361	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	84270	20.480	ug/l	97
13) Acrolein	3.61	56	47697	106.356	ug/l	99
14) Allyl chloride	4.33	41	169795	20.873	ug/l	98
15) Acrylonitrile	4.99	53	197169	113.755	ug/l	99
16) Acetone	3.82	43	166710	93.155	ug/l	100
17) Carbon Disulfide	4.06	76	230880	20.070	ug/l	100
18) Methyl Acetate	4.33	43	94803	24.068	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	255553	22.463	ug/l	99
20) Methylene Chloride	4.56	84	104316	20.276	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	90600	20.997	ug/l	97
22) Diisopropyl ether	5.95	45	351469	21.676	ug/l	96
23) Vinyl Acetate	5.90	43	1248641	114.594	ug/l	100
24) 1,1-Dichloroethane	5.85	63	183766	21.070	ug/l	99
25) 2-Butanone	6.84	43	248612	107.604	ug/l	100
26) 2,2-Dichloropropane	6.82	77	117247	19.865	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	101010	20.308	ug/l	97
28) Bromochloromethane	7.20	49	94020	21.148	ug/l	98
29) Tetrahydrofuran	7.22	42	166362	117.111	ug/l	99
30) Chloroform	7.37	83	175320	21.133	ug/l	98
31) Cyclohexane	7.66	56	174123	20.558	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	139507	20.931	ug/l	98
36) 1,1-Dichloropropene	7.79	75	125755	20.851	ug/l	98
37) Ethyl Acetate	6.93	43	110265	22.654	ug/l	99
38) Carbon Tetrachloride	7.77	117	120349	21.309	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139429	19.378	ug/l	97
40) Benzene	8.04	78	384825	20.670	ug/l	98
41) Methacrylonitrile	7.17	41	45879	17.979	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	137621	21.188	ug/l	99
43) Isopropyl Acetate	8.17	43	184186	23.368	ug/l #	89
44) Trichloroethene	8.84	130	95401	20.274	ug/l	100
45) 1,2-Dichloropropane	9.12	63	109597	20.854	ug/l	99
46) Dibromomethane	9.21	93	62980	20.934	ug/l	97
47) Bromodichloromethane	9.40	83	126105	20.939	ug/l	100
48) Methyl methacrylate	9.20	41	85125	22.265	ug/l	97
49) 1,4-Dioxane	9.20	88	19453	440.588	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	514759	113.497	ug/l	99
52) Toluene	10.16	92	225824	20.691	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	115316	20.864	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	147427	21.495	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	84316	20.954	ug/l	99
56) Ethyl methacrylate	10.43	69	108986	21.742	ug/l	98
57) 1,3-Dichloropropane	10.71	76	150816	21.543	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	161791	91.267	ug/l	99
59) 2-Hexanone	10.75	43	319484	111.520	ug/l	99
60) Dibromochloromethane	10.90	129	86792	20.941	ug/l	99
61) 1,2-Dibromoethane	11.00	107	83741	22.135	ug/l	95
64) Tetrachloroethene	10.63	164	91930	20.344	ug/l	97
65) Chlorobenzene	11.43	112	227002	20.078	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	85853	20.488	ug/l	98
67) Ethyl Benzene	11.51	91	414456	20.579	ug/l	98
68) m/p-Xylenes	11.62	106	297652	41.207	ug/l	99
69) o-Xylene	11.95	106	149626	20.873	ug/l	97
70) Styrene	11.96	104	235102	21.158	ug/l	98
71) Bromoform	12.13	173	53449	21.375	ug/l #	97
73) Isopropylbenzene	12.25	105	394348	22.644	ug/l	100
74) N-amyl acetate	12.07	43	120950	22.824	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	106346	24.181	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	86391m	20.718	ug/l	
77) Bromobenzene	12.53	156	91832	20.238	ug/l	98
78) n-propylbenzene	12.59	91	419087	20.331	ug/l	99
79) 2-Chlorotoluene	12.67	91	263399	20.237	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	317246	20.618	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22573	20.521	ug/l	91
82) 4-Chlorotoluene	12.77	91	245519	20.502	ug/l	99
83) tert-Butylbenzene	12.99	119	268909	22.029	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	300973	20.728	ug/l	100
85) sec-Butylbenzene	13.17	105	344323	19.781	ug/l	100
86) p-Isopropyltoluene	13.29	119	290366	20.247	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	142145	20.407	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	134402	19.818	ug/l	99
89) n-Butylbenzene	13.61	91	205991	19.379	ug/l	98
90) Hexachloroethane	13.87	117	49899	19.619	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	145019	20.270	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13779	22.077	ug/l	96

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ClientSampleId :
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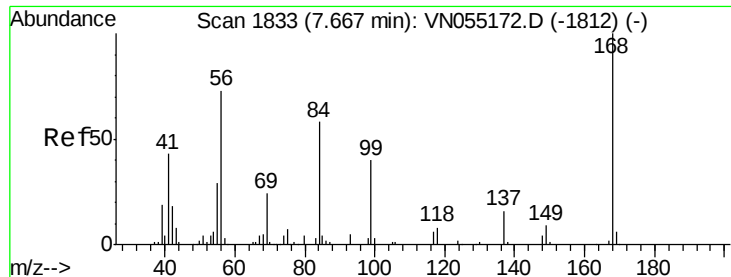
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45723	17.037	ug/l	97
94) Hexachlorobutadiene	15.01	225	46919	21.192	ug/l	97
95) Naphthalene	15.13	128	102267	17.819	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51317	18.492	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBSD01

Tot Ion:168 Resp: 399954

Ion Ratio Lower Upper

168 100

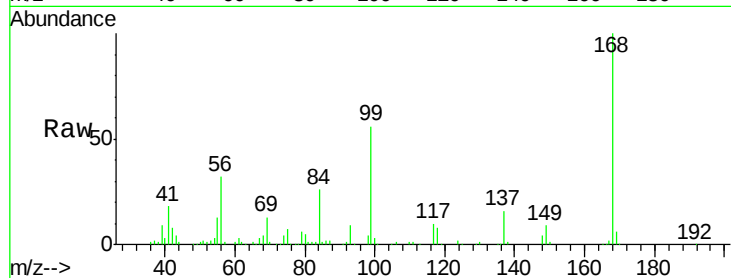
99 54.9 42.0 63.0

Manual Integrations

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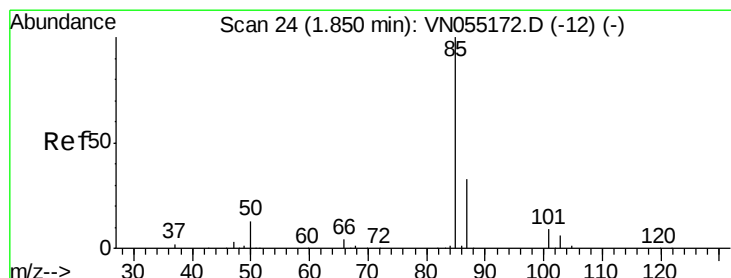
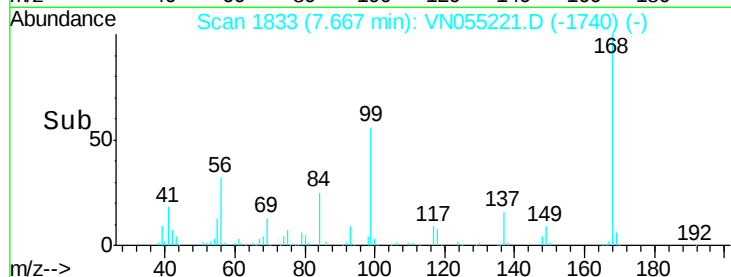
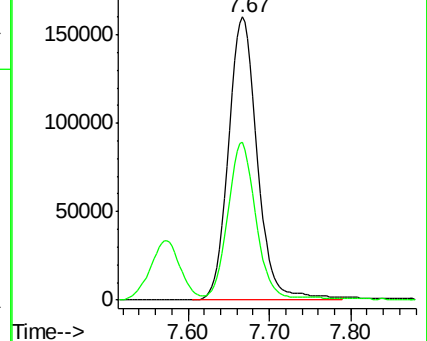
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 22.275 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055221.D

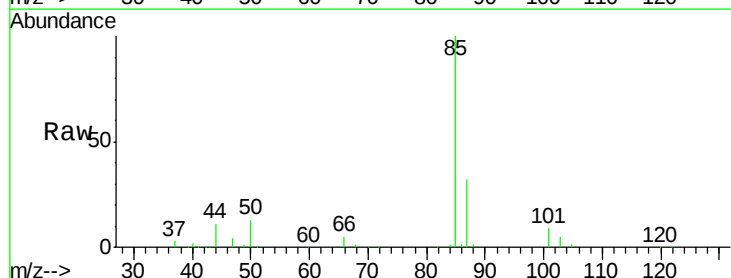
Acq: 24 Apr 2019 12:20

Tgt Ion: 85 Resp: 114707

Ion Ratio Lower Upper

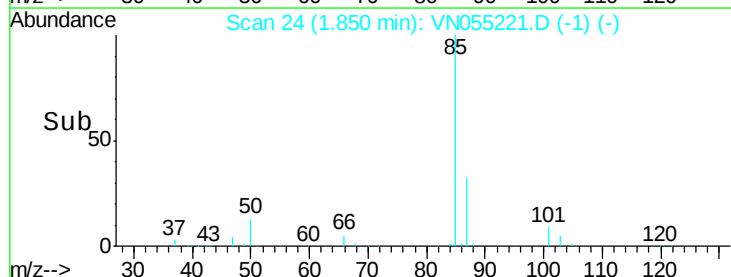
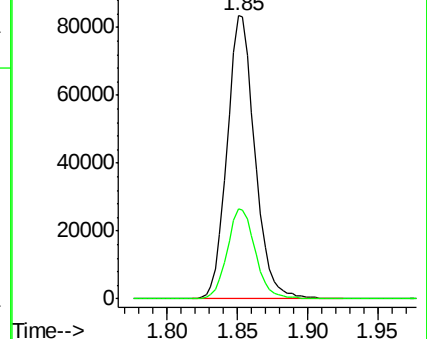
85 100

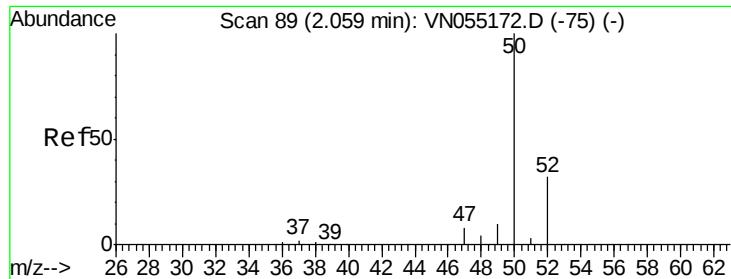
87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.915 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBSD01

Tot Ion: 50 Resp: 131974

Ion Ratio Lower Upper

50 100

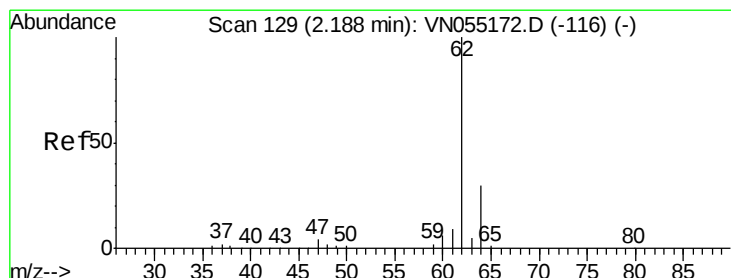
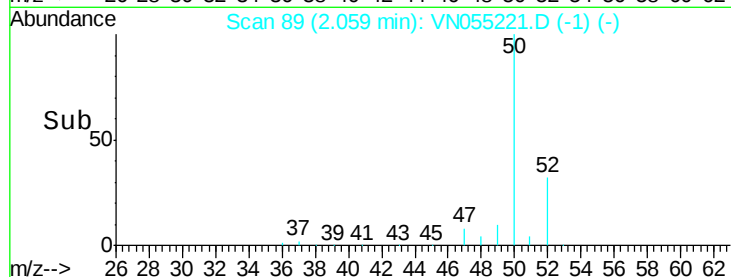
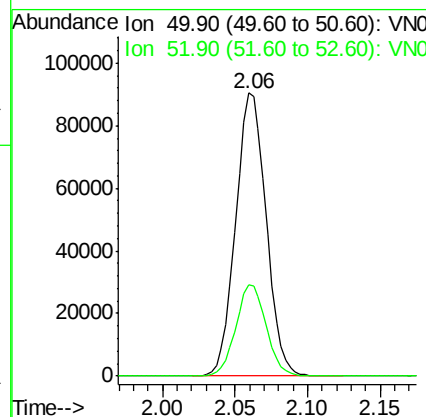
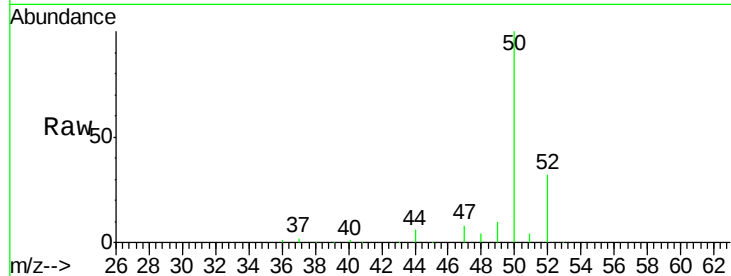
52 32.3 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.516 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055221.D

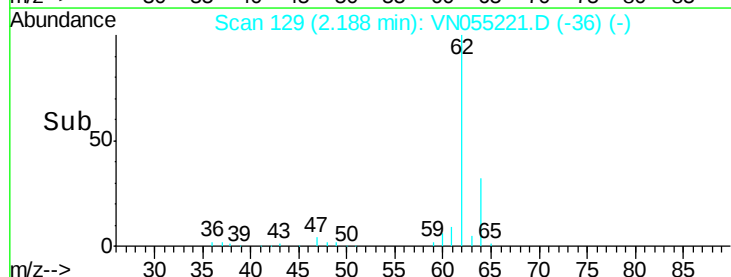
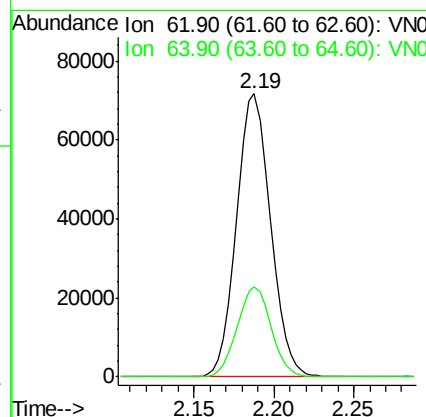
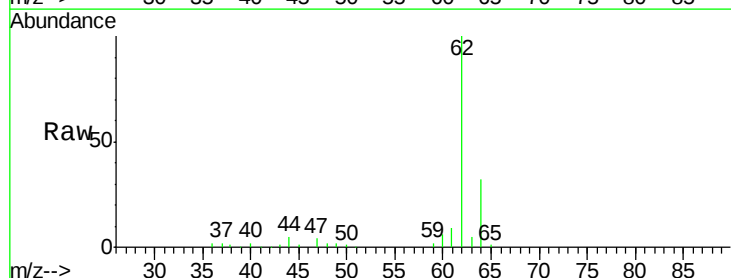
Acq: 24 Apr 2019 12:20

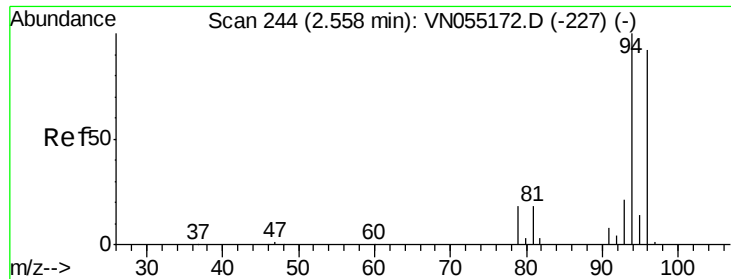
Tgt Ion: 62 Resp: 103734

Ion Ratio Lower Upper

62 100

64 31.8 24.2 36.4





#5

Bromomethane

Concen: 19.410 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBSD01

Tot Ion: 94 Resp: 56916

Ion Ratio Lower Upper

94 100

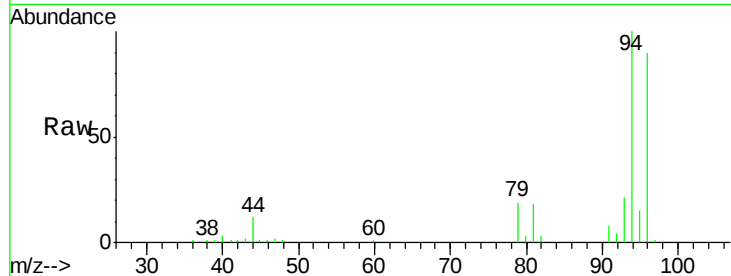
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Manual Integrations

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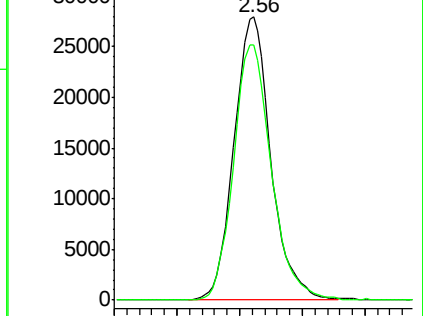
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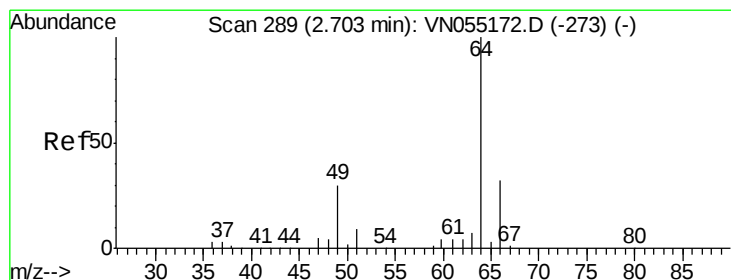
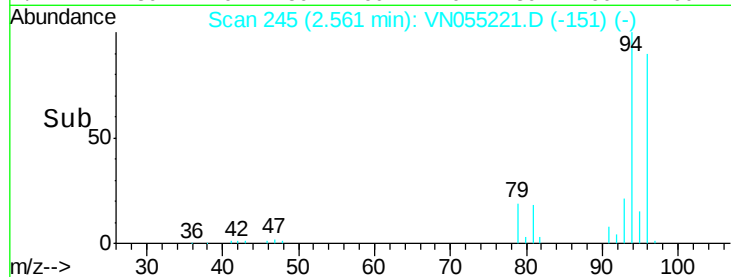


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.053 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN055221.D

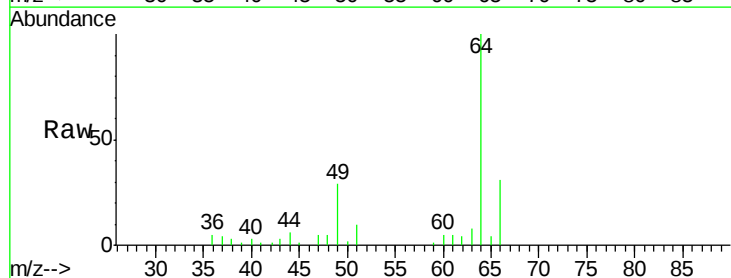
Acq: 24 Apr 2019 12:20

Tgt Ion: 64 Resp: 53441

Ion Ratio Lower Upper

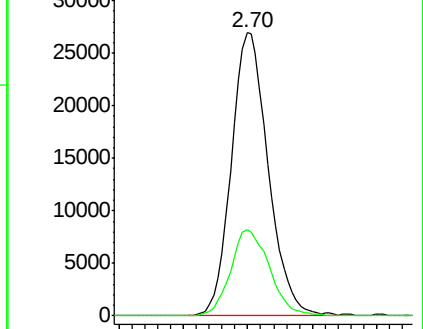
64 100

66 30.7 25.9 38.9

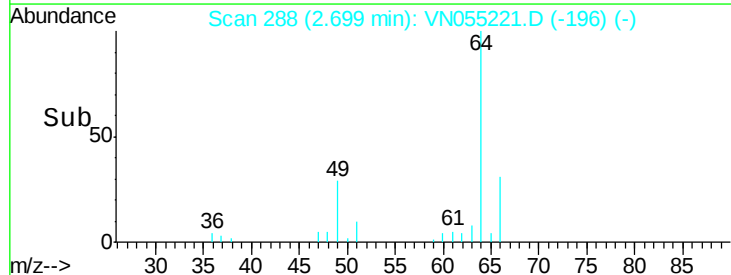


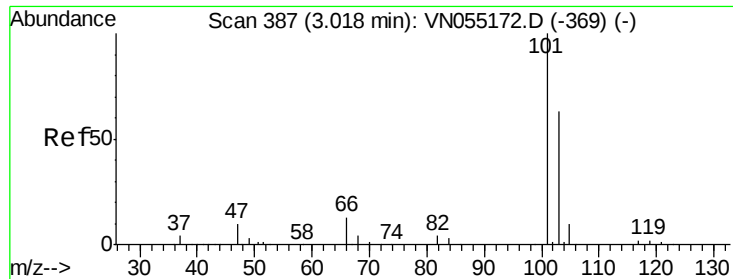
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time--> 2.60 2.65 2.70 2.75 2.80





#7

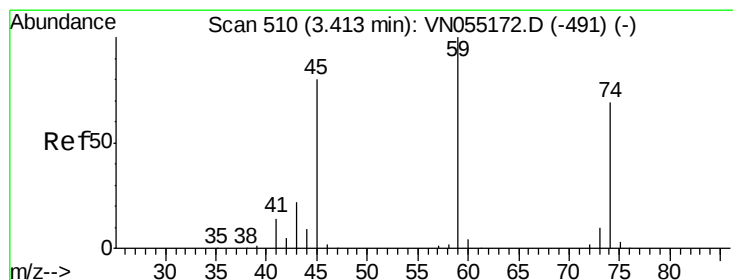
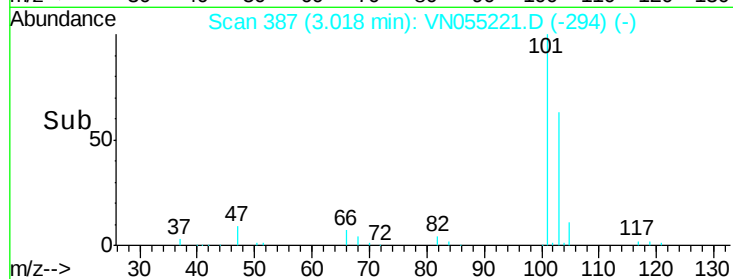
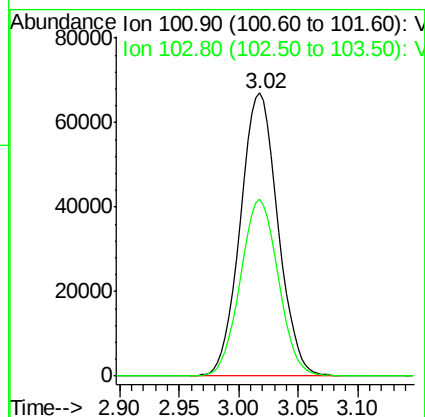
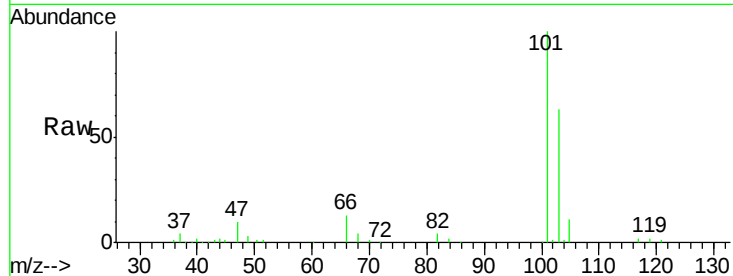
Trichlorofluoromethane
Concen: 21.337 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

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Tot Ion:101 Resp: 146814
Ion Ratio Lower Upper
101 100
103 62.5 50.1 75.1

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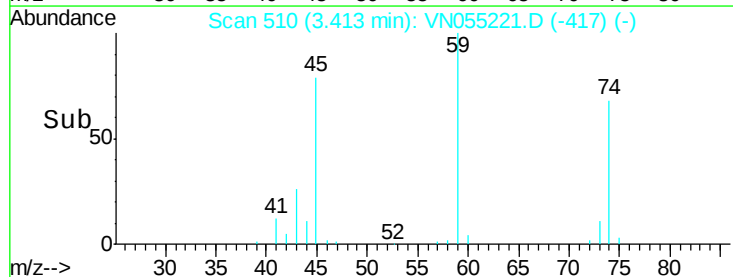
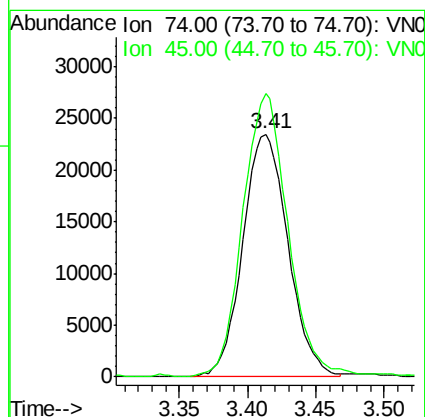
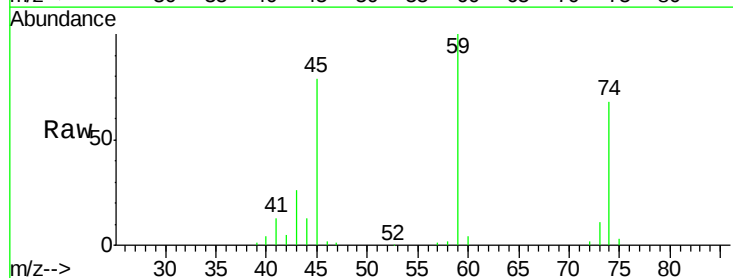
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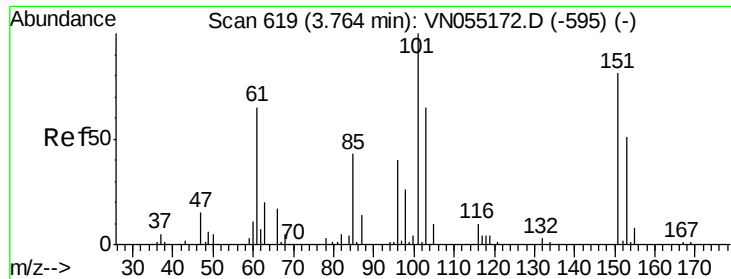


#8

Diethyl Ether
Concen: 22.004 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion: 74 Resp: 54040
Ion Ratio Lower Upper
74 100
45 117.0 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.817 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055221.D

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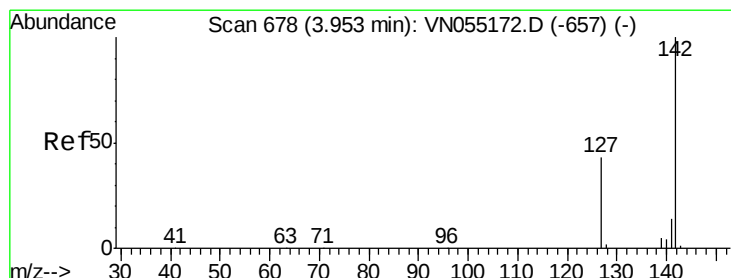
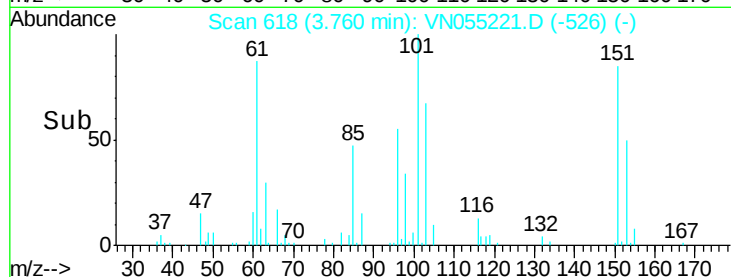
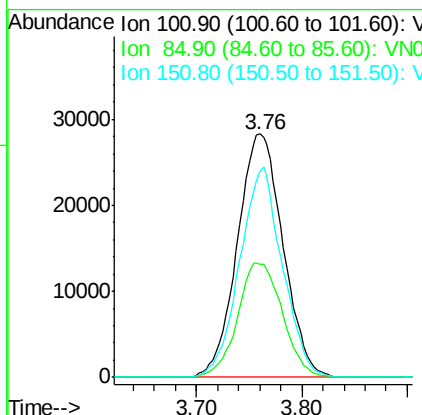
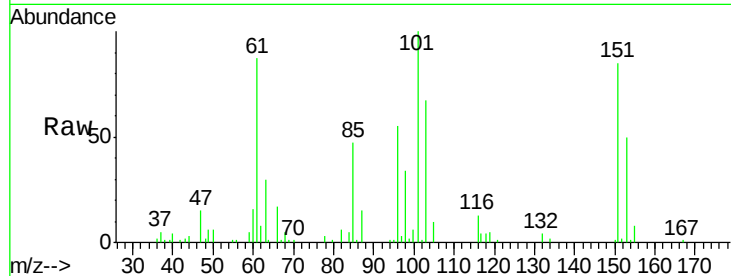
ClientSampleId :

VN0424WBSD01

Tot Ion:	101	Resp:	85086
Ion Ratio	Lower	Upper	
101	100		
85	46.0	34.9	52.3
151	80.8	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 21.197 ug/l

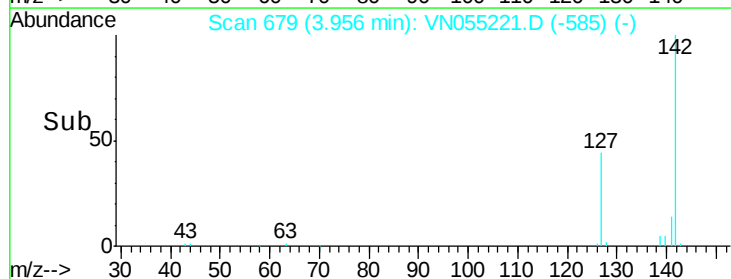
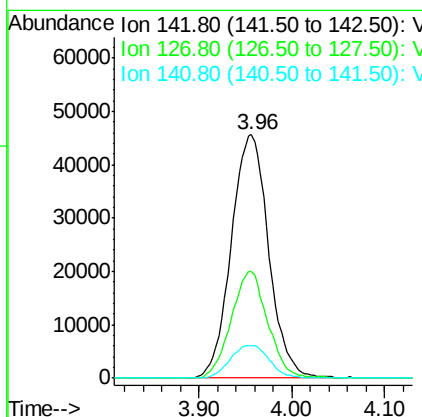
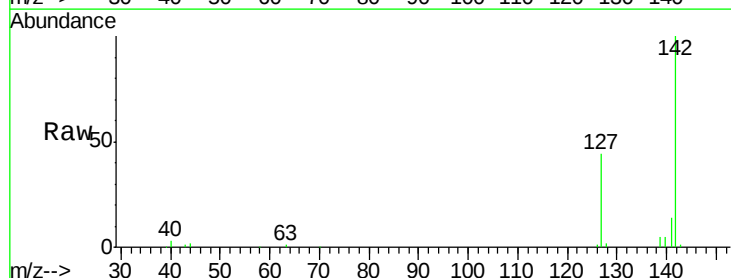
RT: 3.96 min Scan# 679

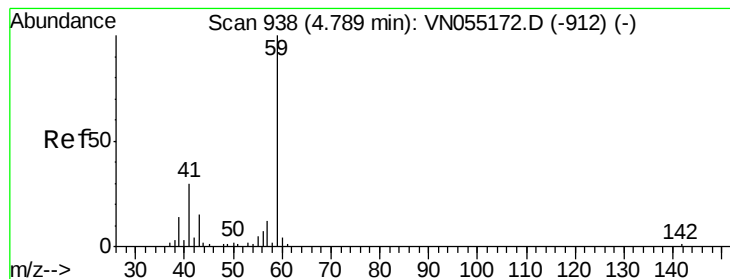
Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Tgt Ion:	142	Resp:	127627
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.1	51.1
141	14.0	11.4	17.2





#11

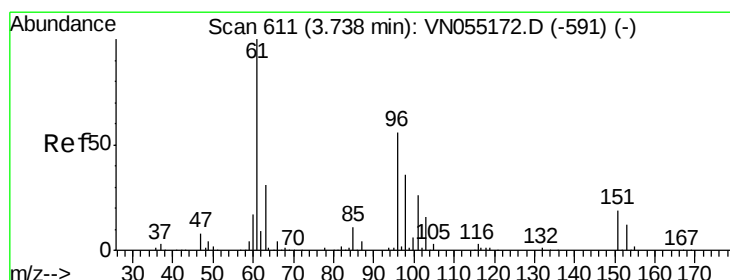
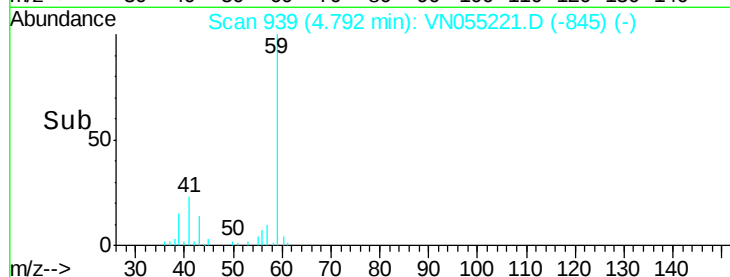
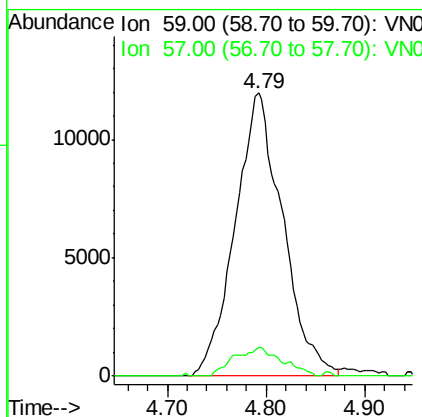
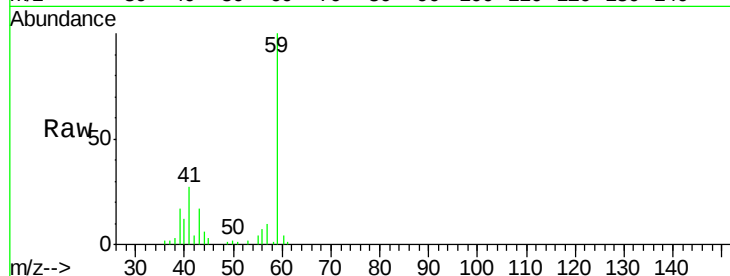
Tert butyl alcohol
Concen: 126.361 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#

Manual Integrations
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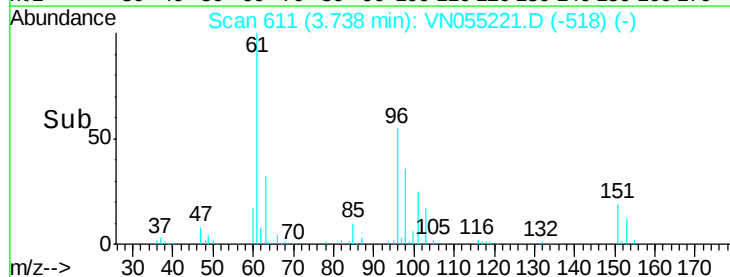
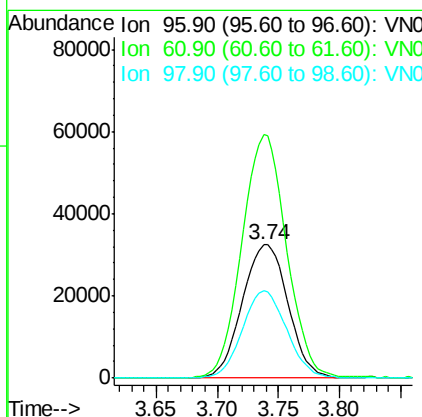
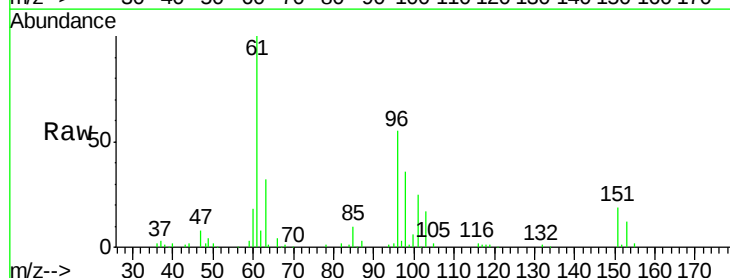
MMDadoda
4/25/2019 12:40:07 PM

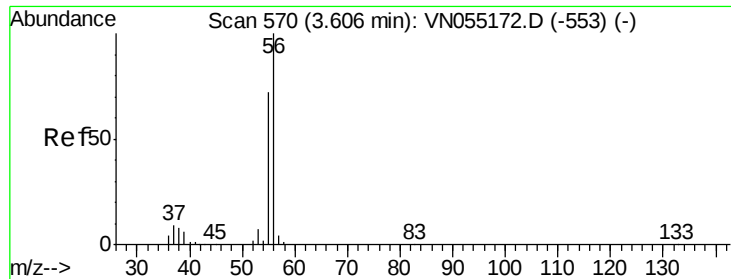


#12

1,1-Dichloroethene
Concen: 20.480 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.6	142.1	213.1
98	65.8	51.2	76.8





#13

Acrolein

Concen: 106.356 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBSD01

Tot Ion: 56 Resp: 47697

Ion Ratio Lower Upper

56 100

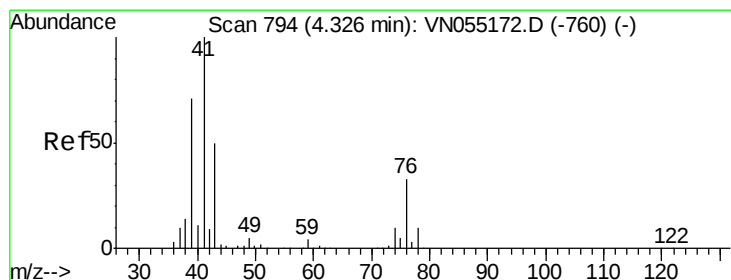
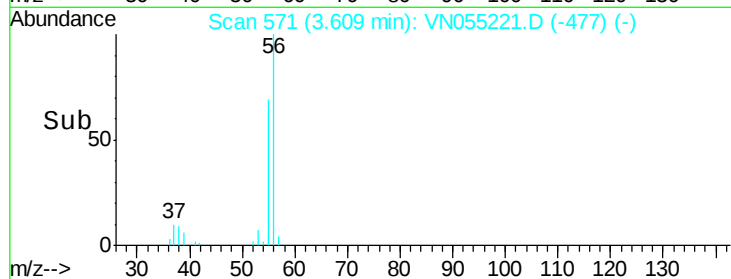
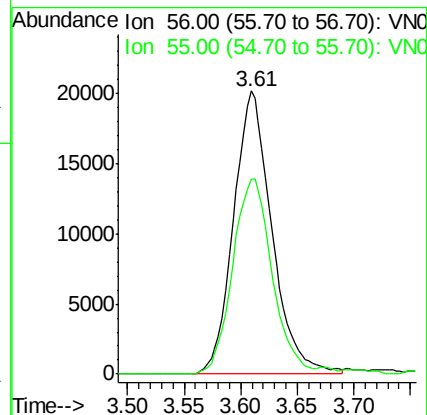
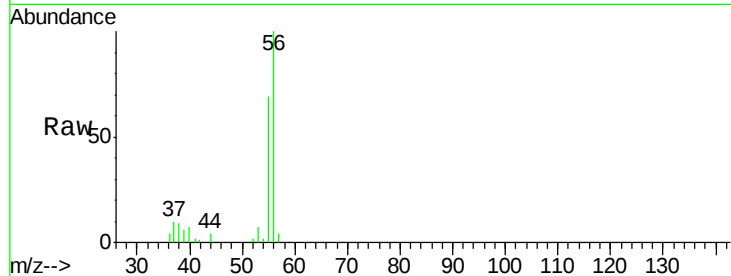
55 70.7 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.873 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

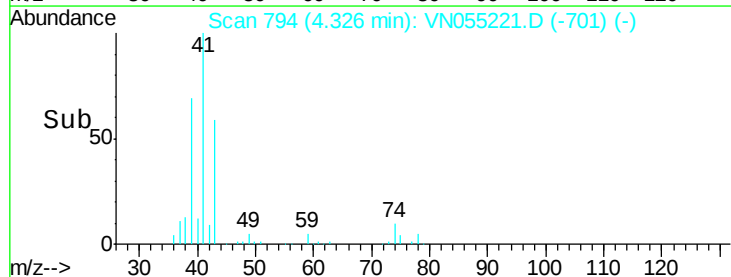
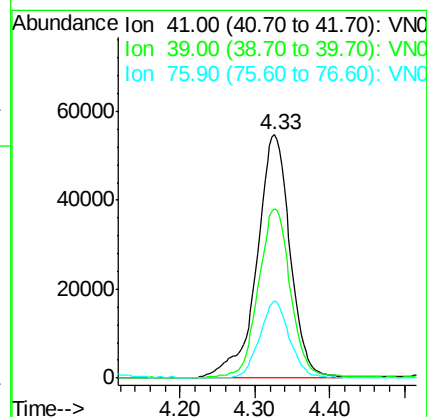
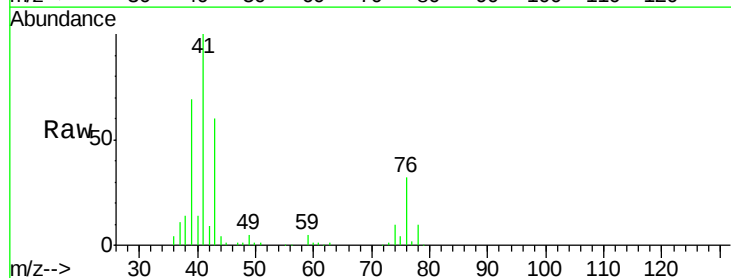
Tgt Ion: 41 Resp: 169795

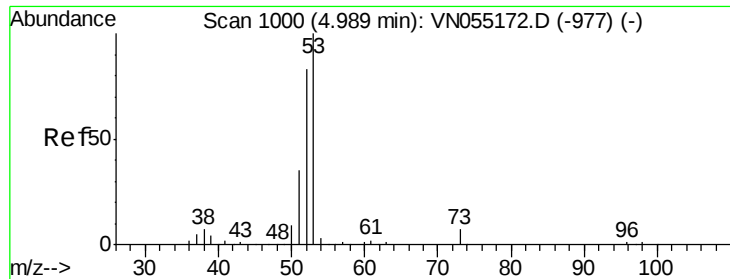
Ion Ratio Lower Upper

41 100

39 67.2 52.9 79.3

76 28.5 23.6 35.4





#15

Acrylonitrile

Concen: 113.755 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

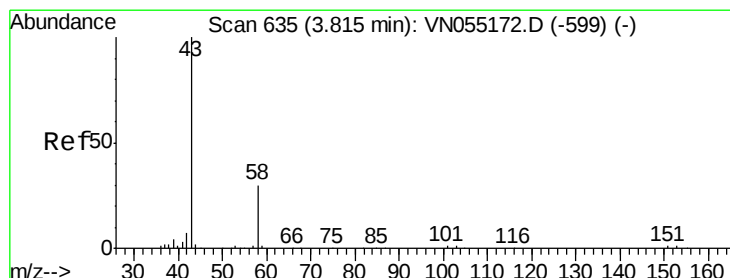
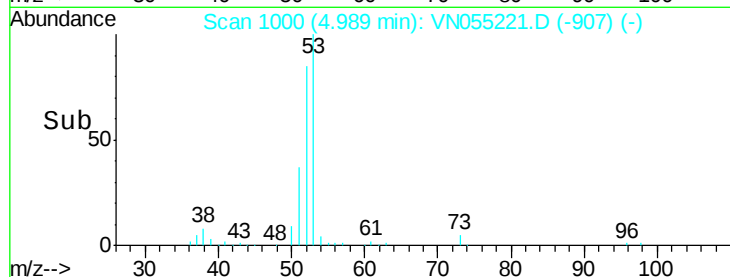
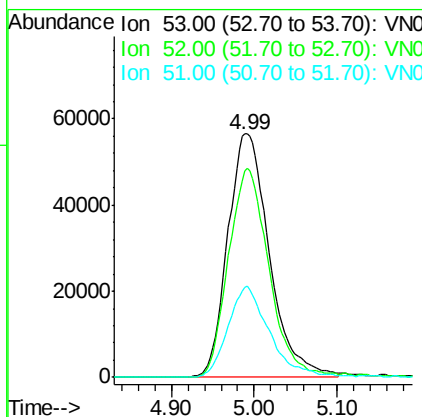
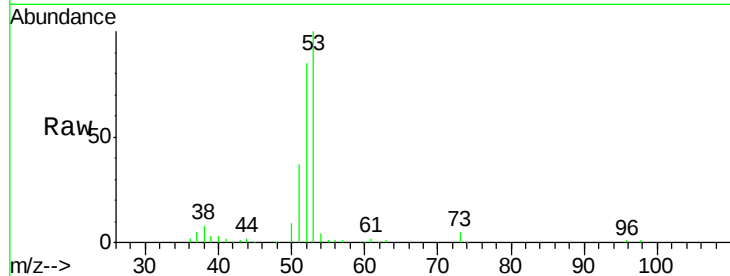
ClientSampleId :

VN0424WBSD01

Tot Ion:	53	Resp:	197169
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.8	98.8
51	36.8	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 93.155 ug/l

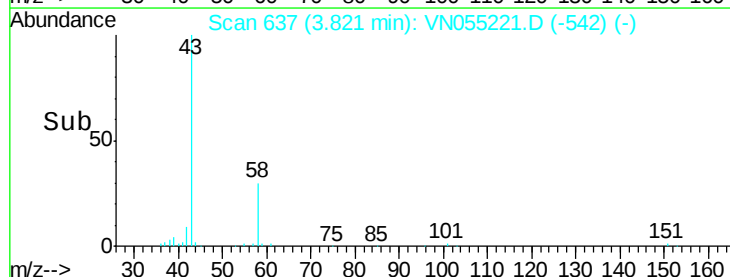
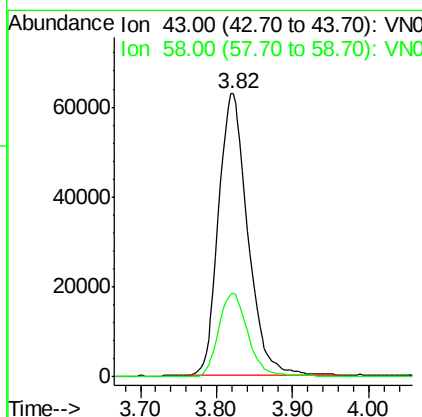
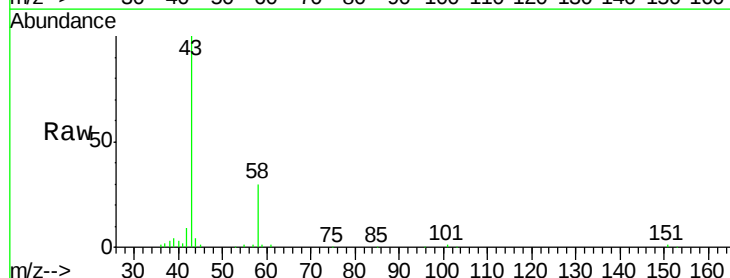
RT: 3.82 min Scan# 637

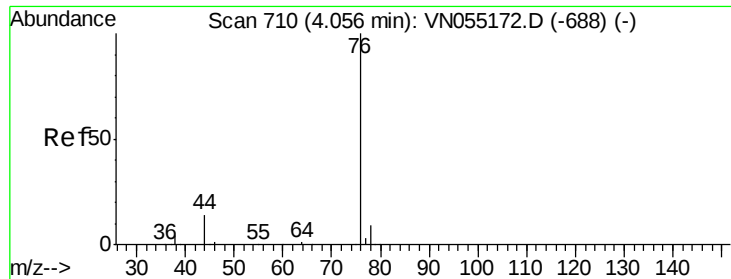
Delta R.T. 0.01 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Tgt Ion:	43	Resp:	166710
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.8





#17

Carbon Disulfide

Concen: 20.070 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBSD01

Tot Ion: 76 Resp: 230880

Ion Ratio Lower Upper

76 100

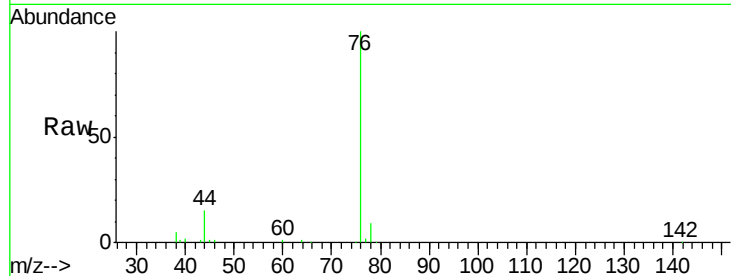
78 9.2 7.3 10.9

Manual Integrations

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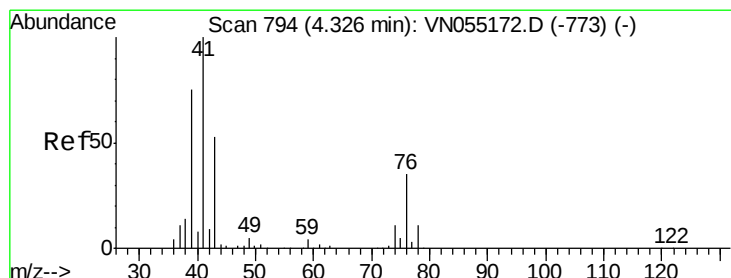
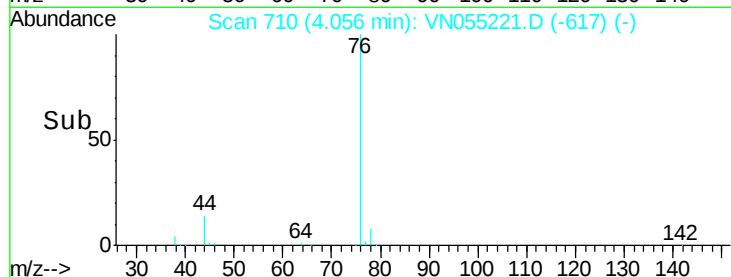
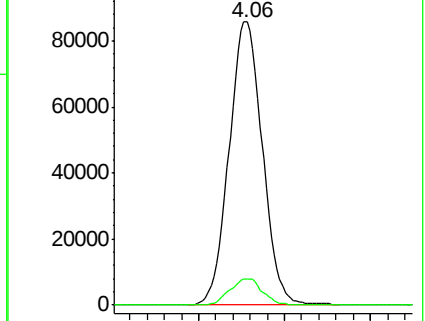
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 24.068 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055221.D

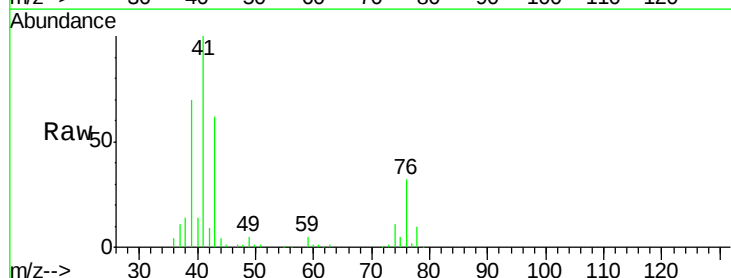
Acq: 24 Apr 2019 12:20

Tgt Ion: 43 Resp: 94803

Ion Ratio Lower Upper

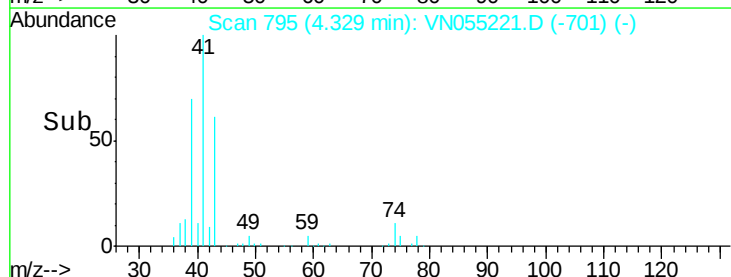
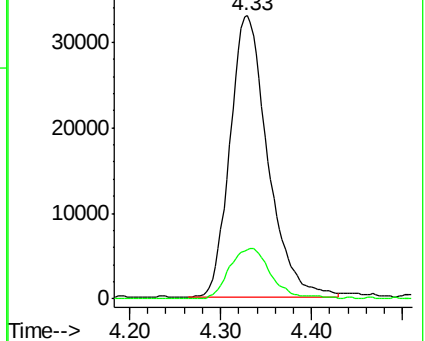
43 100

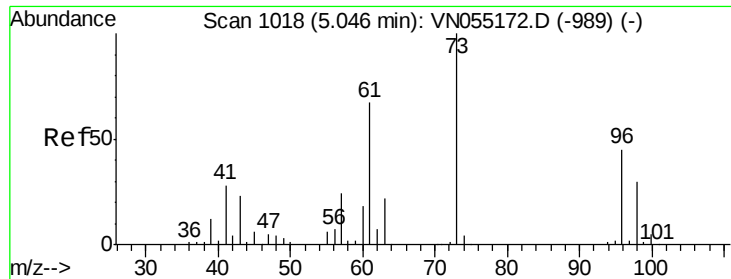
74 19.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





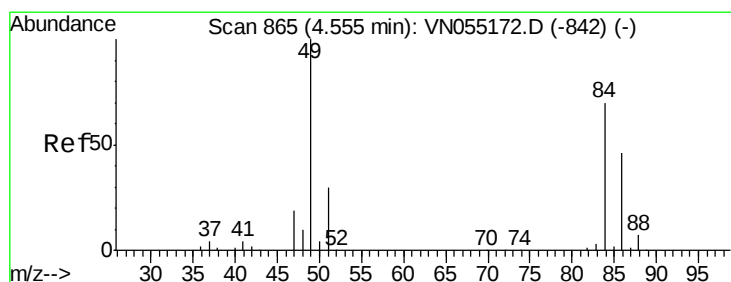
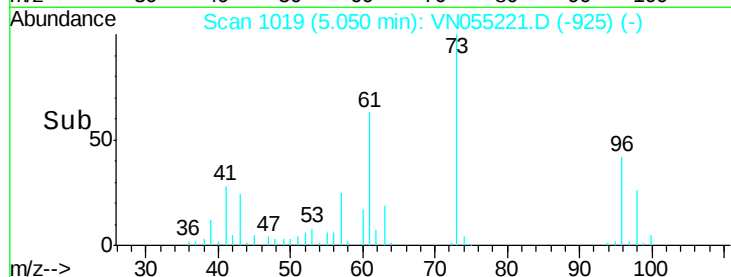
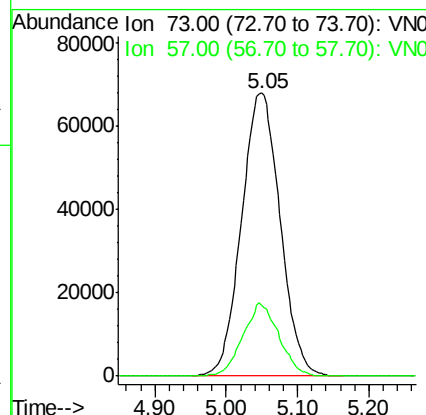
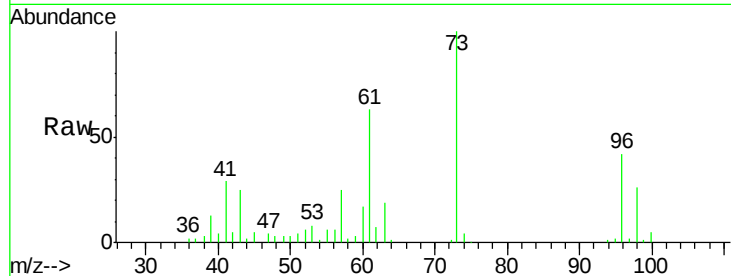
#19
Methyl tert-butyl Ether
Concen: 22.463 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion: 73 Resp: 25553
Ion Ratio Lower Upper
73 100
57 25.0 19.5 29.3

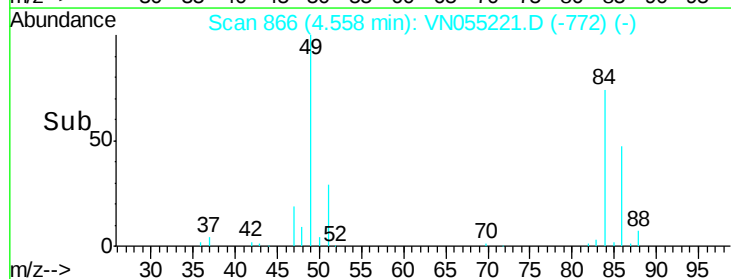
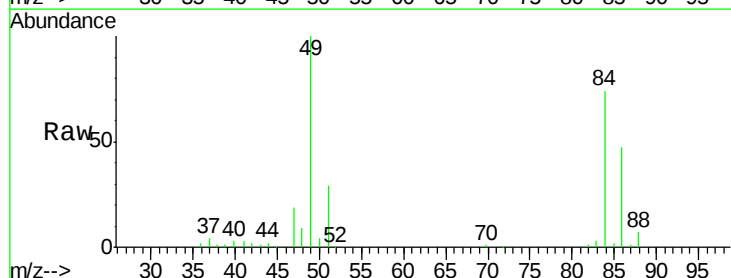
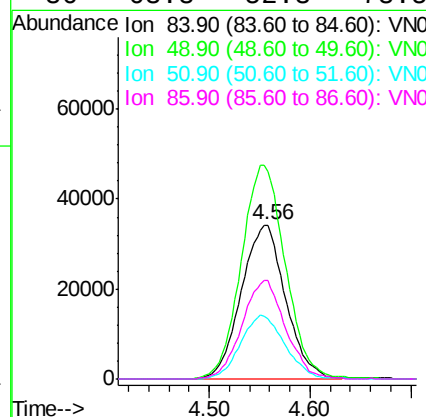
Manual Integrations
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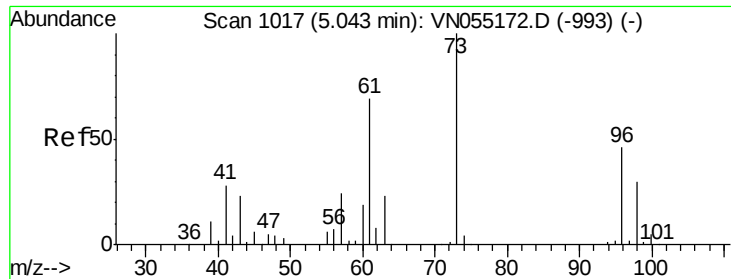
MMDadoda
4/25/2019 12:40:07 PM



#20
Methylene Chloride
Concen: 20.276 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion: 84 Resp: 104316
Ion Ratio Lower Upper
84 100
49 134.5 113.8 170.6
51 38.9 34.0 51.0
86 63.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.997 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

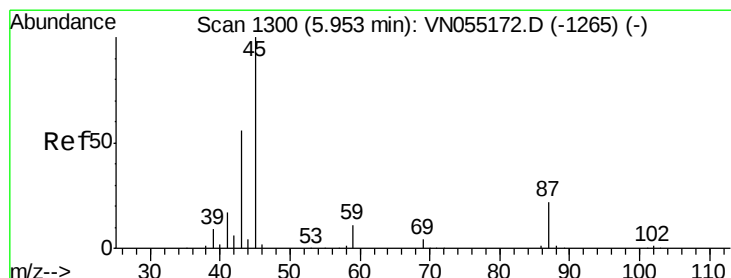
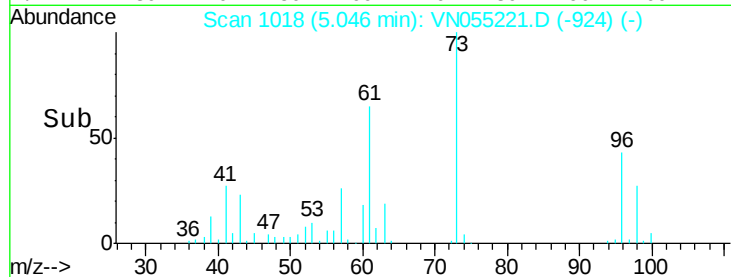
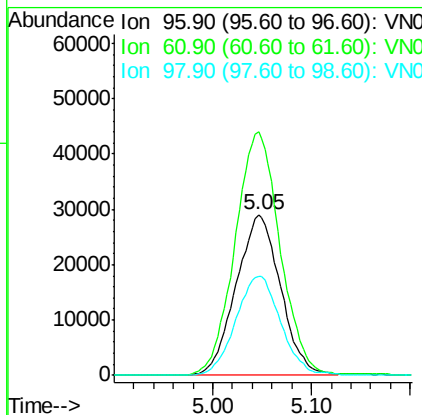
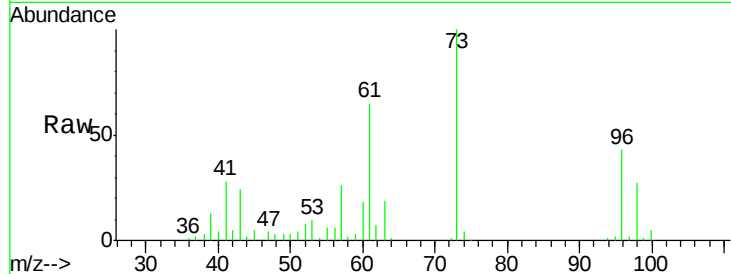
ClientSampleId :

VN0424WBSD01

Tot Ion:	96	Resp:	90600
Ion	Ratio	Lower	Upper
96	100		
61	151.1	119.3	178.9
98	62.0	53.0	79.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.676 ug/l

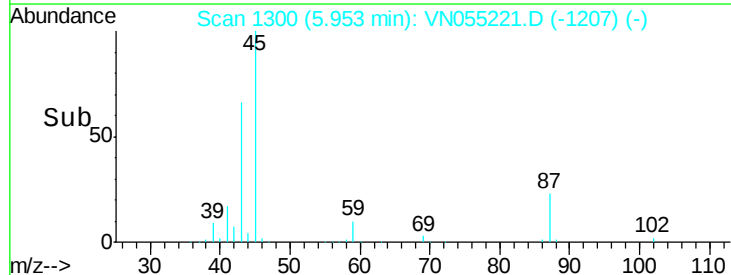
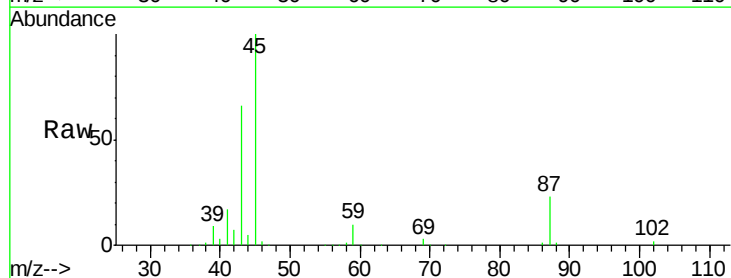
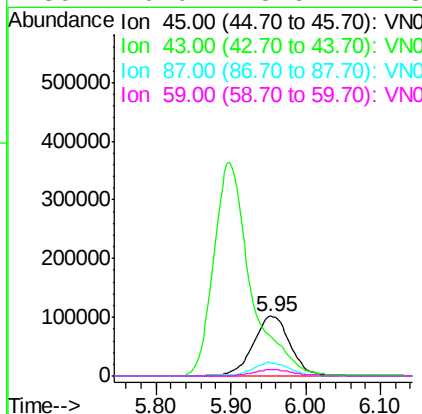
RT: 5.95 min Scan# 1300

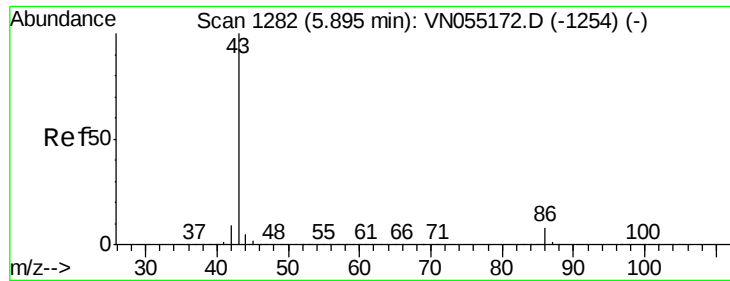
Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Tgt Ion:	45	Resp:	351469
Ion	Ratio	Lower	Upper
45	100		
43	63.8	47.4	71.0
87	22.3	18.4	27.6
59	10.0	8.6	12.8





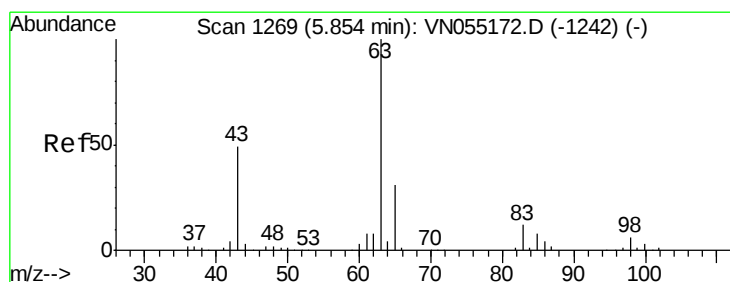
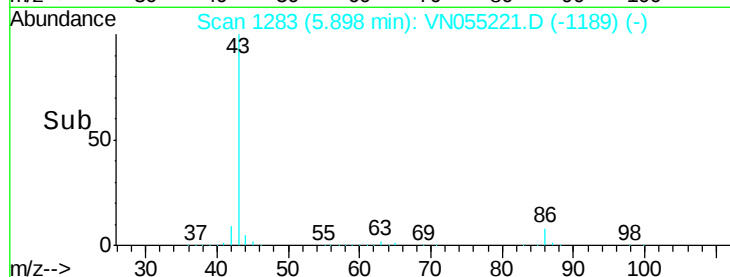
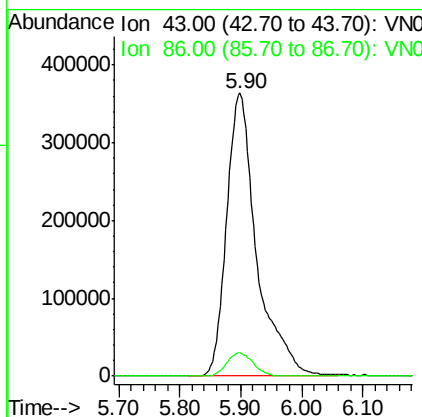
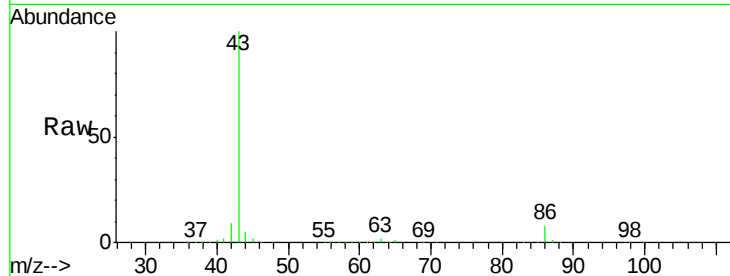
#23
 Vinyl Acetate
 Concen: 114.594 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Tot Ion: 43 Resp: 1248641
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.8 10.2

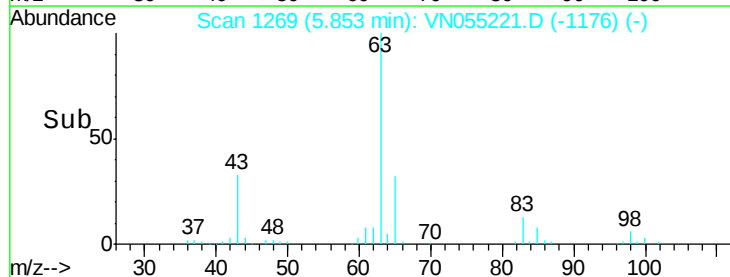
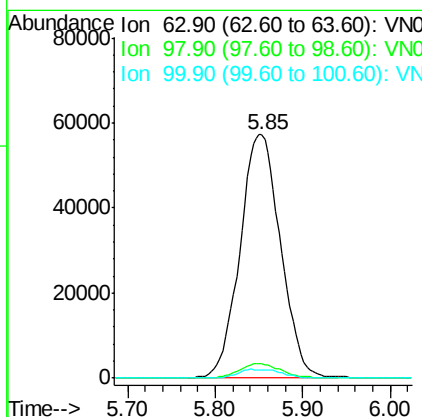
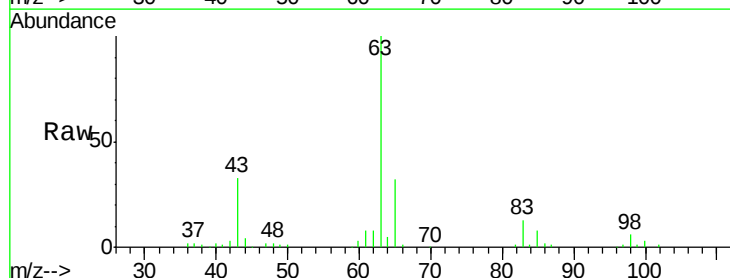
Manual Integrations
 APPROVED

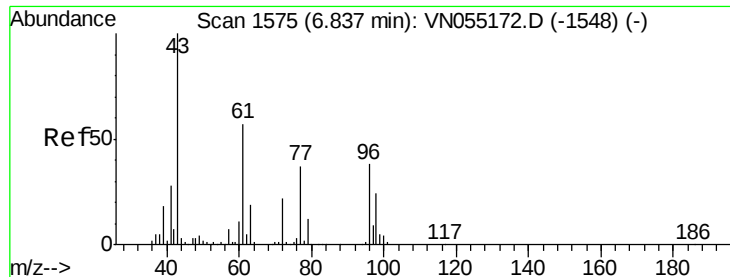
MMDadoda
 4/25/2019 12:40:07 PM



#24
 1,1-Dichloroethane
 Concen: 21.070 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion: 63 Resp: 183766
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.1 9.3
 100 3.3 1.8 5.3





#25

2-Butanone

Concen: 107.604 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBSD01

Tot Ion: 43 Resp: 248612

Ion Ratio Lower Upper

43 100

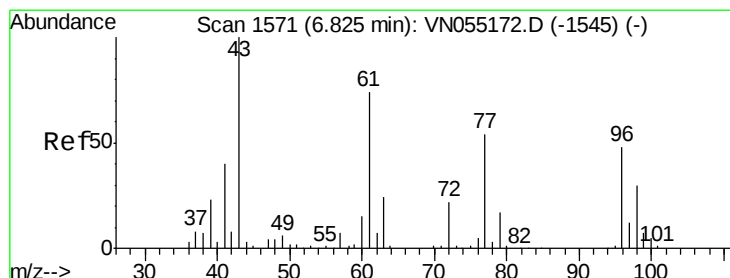
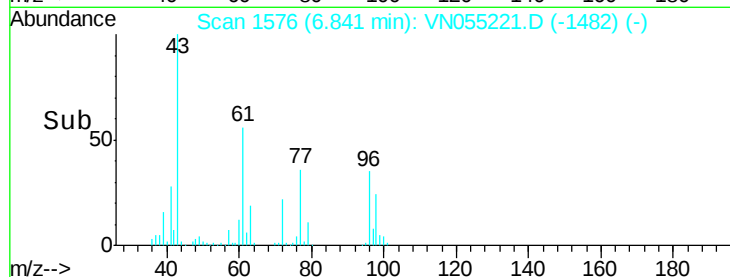
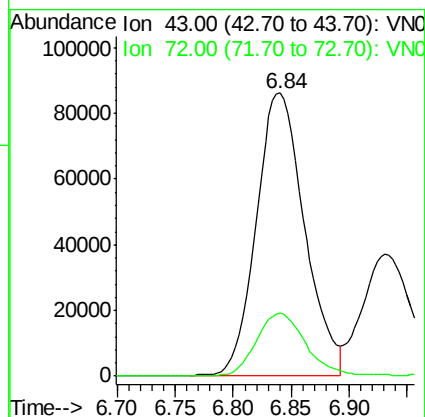
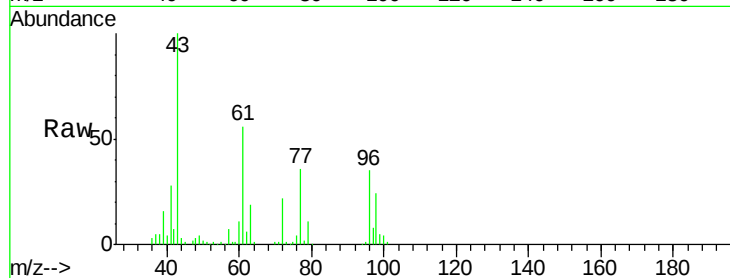
72 22.2 17.8 26.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.865 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055221.D

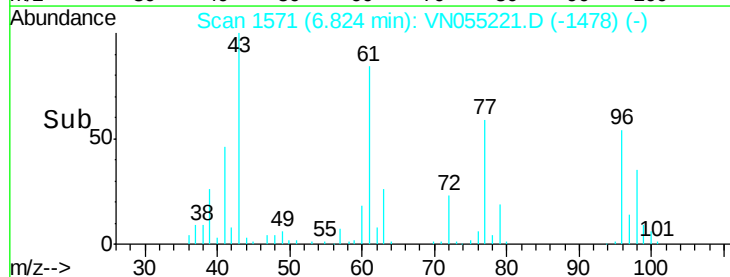
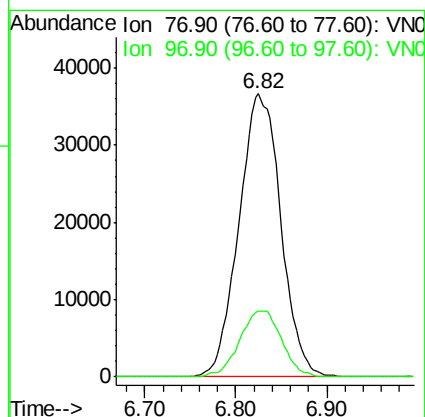
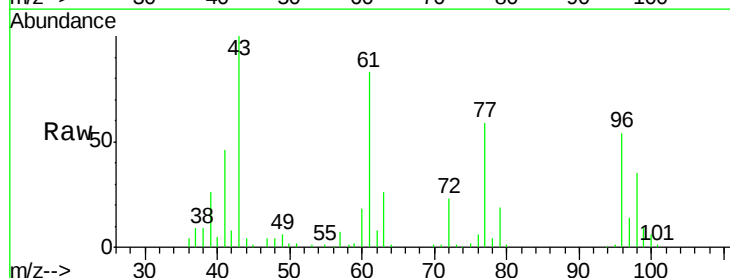
Acq: 24 Apr 2019 12:20

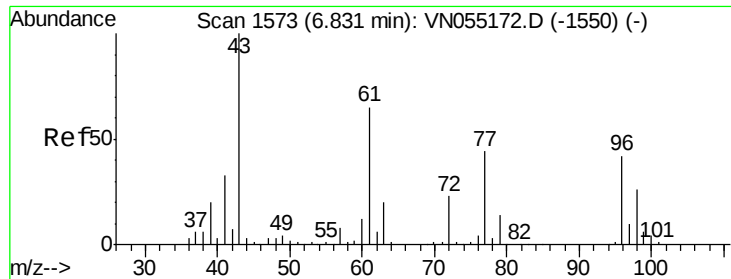
Tgt Ion: 77 Resp: 117247

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.308 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

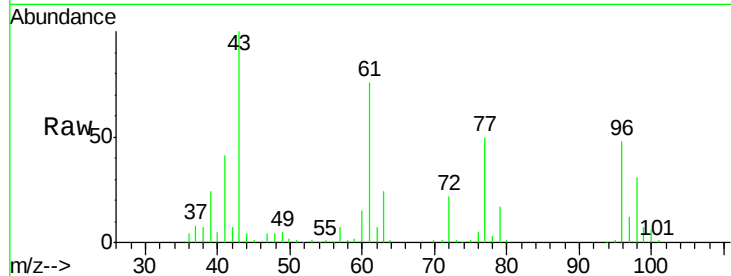
ClientSampleId :

VN0424WBSD01

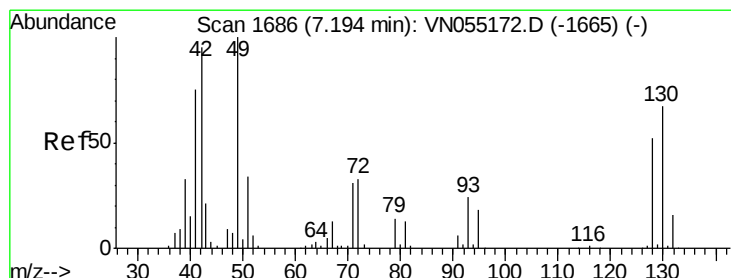
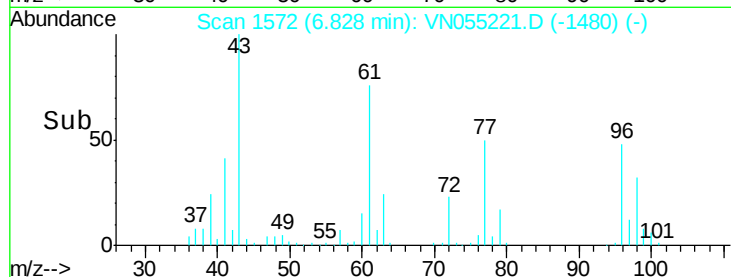
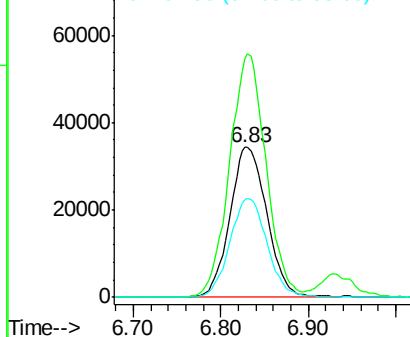
Tot Ion:	96	Resp:	101010
Ion Ratio	Lower	Upper	
96	100		
61	159.1	0.0	310.8
98	66.2	0.0	127.4

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.148 ug/l

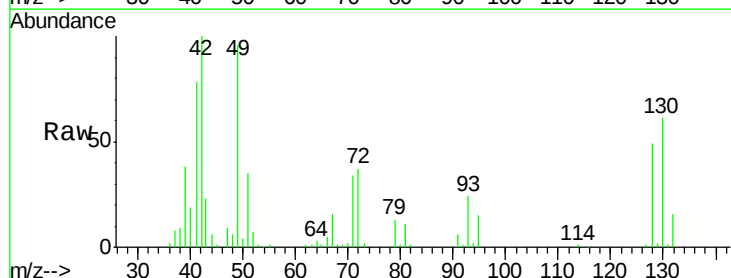
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

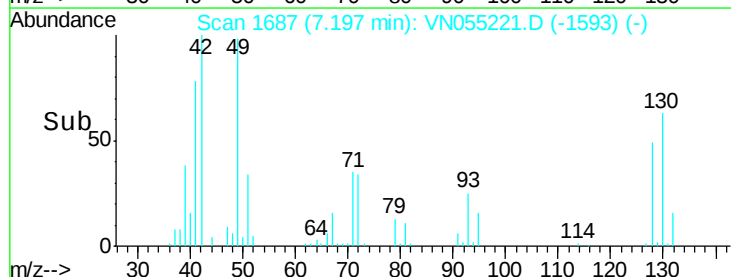
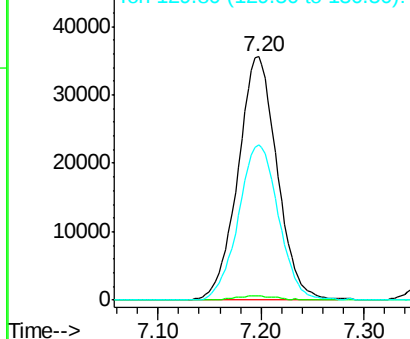
Lab File: VN055221.D

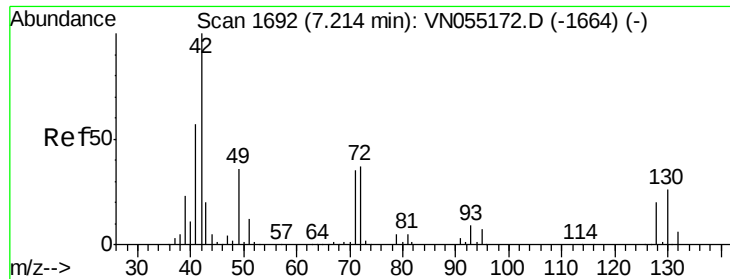
Acq: 24 Apr 2019 12:20

Tgt Ion:	49	Resp:	94020
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	65.3	53.4	80.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





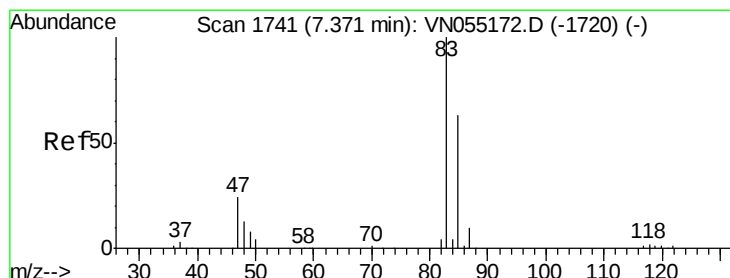
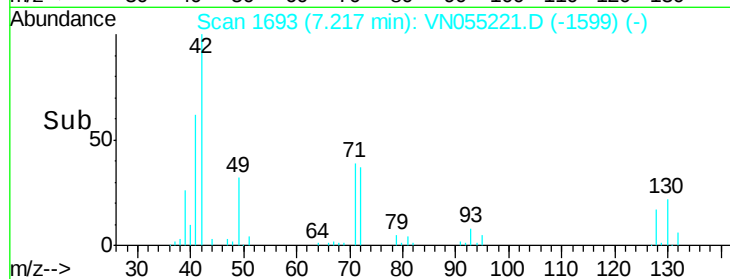
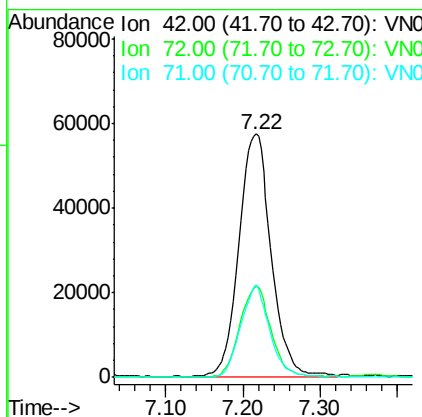
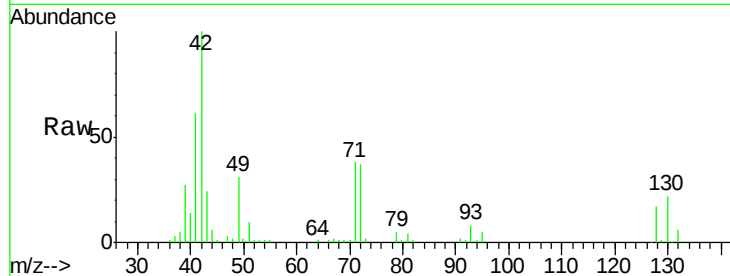
#29
Tetrahydrofuran
Concen: 117.111 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	29.4	44.2
71	34.1	27.8	41.8

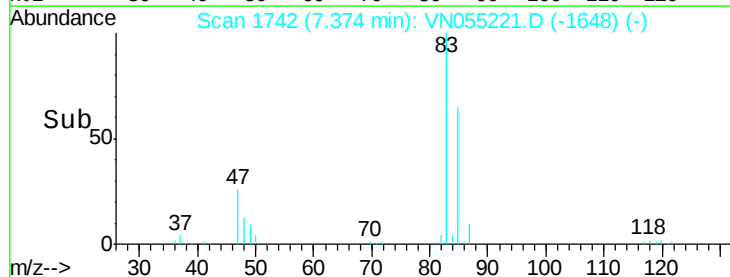
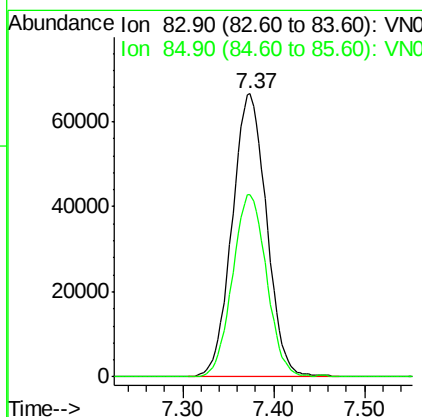
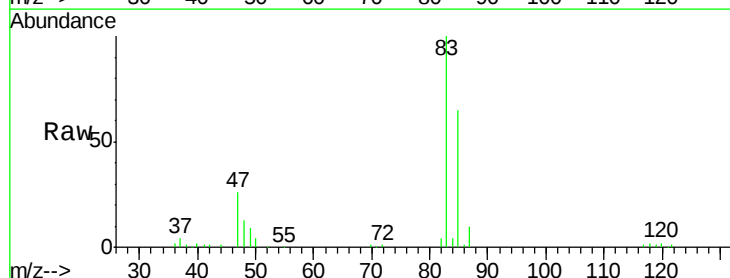
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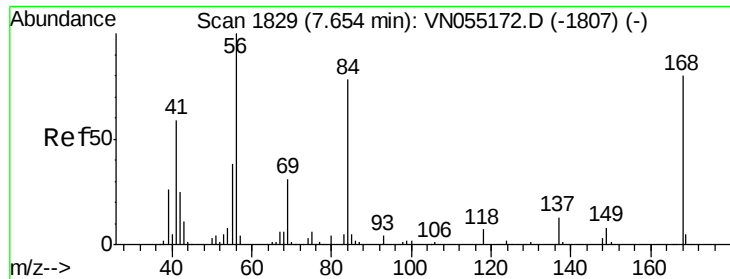
MMDadoda
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#30
Chloroform
Concen: 21.133 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	76.0





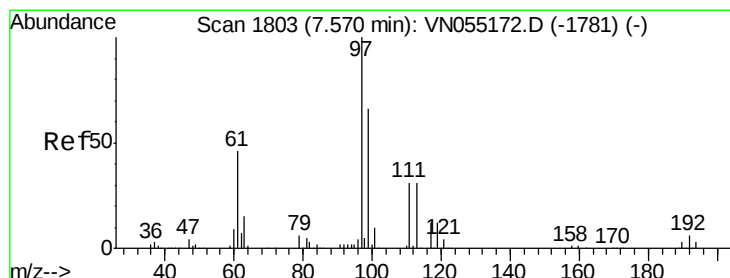
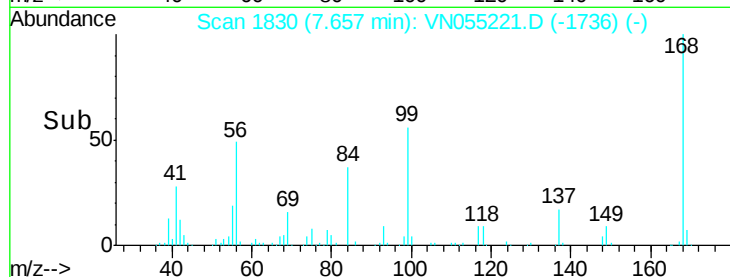
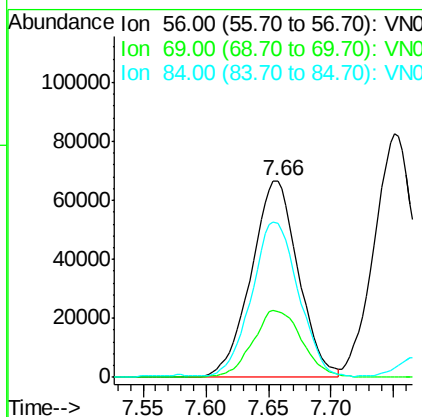
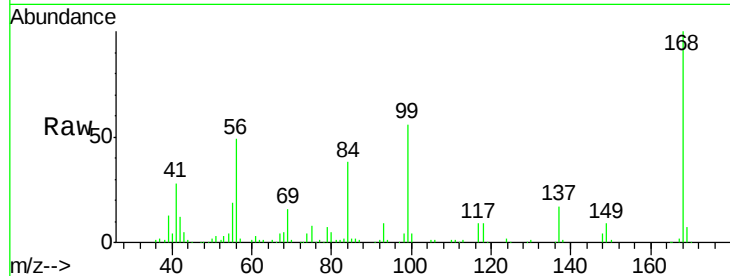
#31
Cyclohexane
Concen: 20.558 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.6	37.0
84	77.1	61.4	92.2

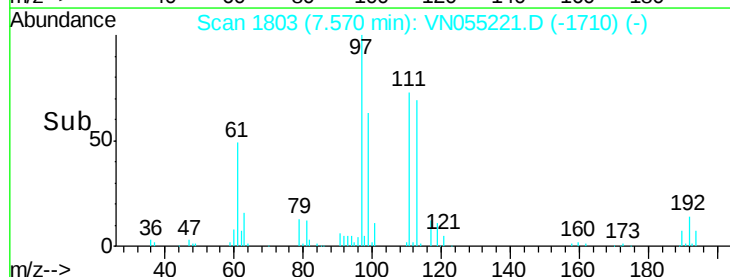
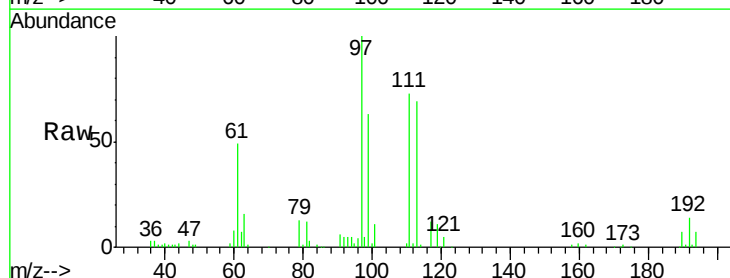
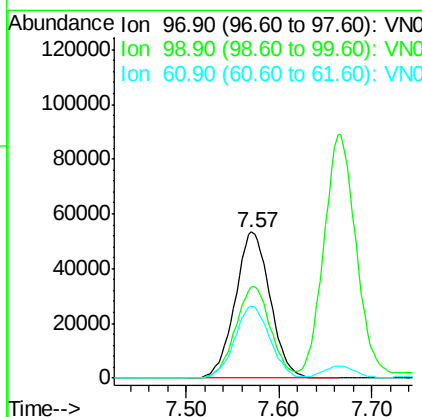
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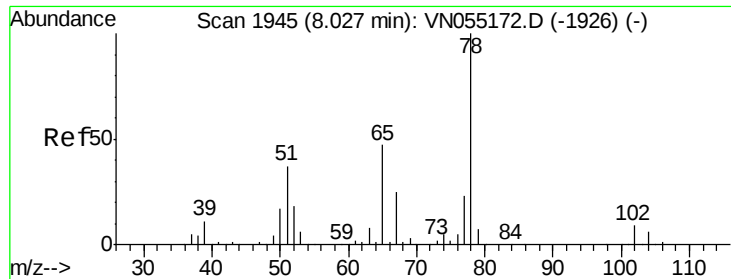
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#32
1,1,1-Trichloroethane
Concen: 20.931 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.1	76.7
61	49.6	38.3	57.5





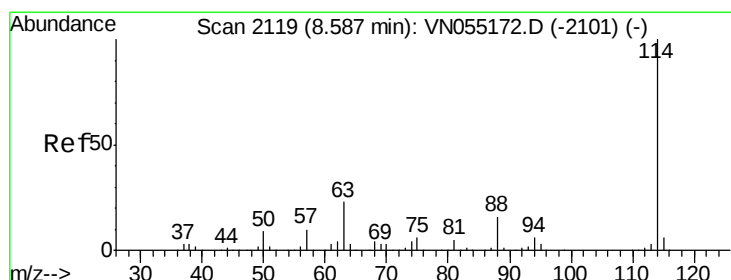
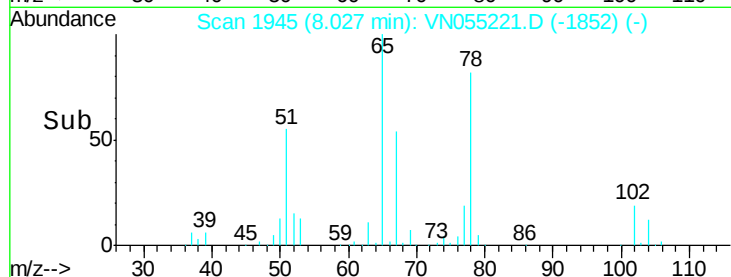
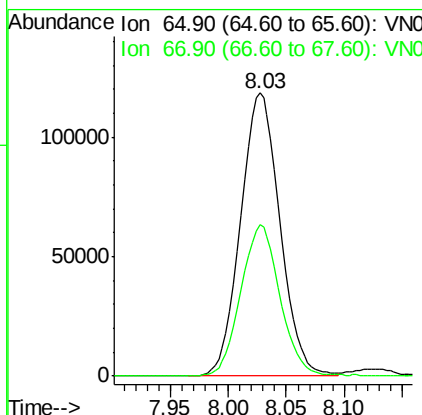
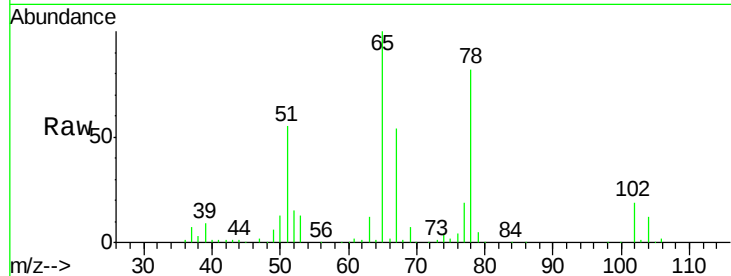
#33
 1,2-Dichloroethane-d4
 Concen: 51.703 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN0424WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	279892		
67	53.1	0.0	108.6	

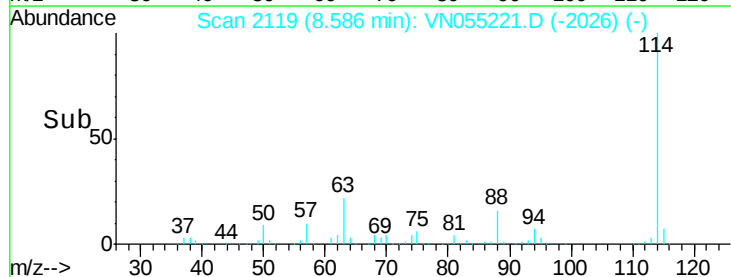
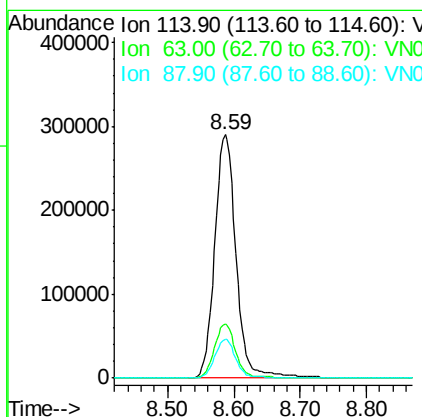
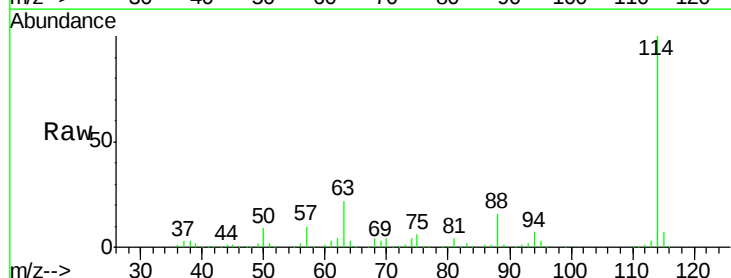
Manual Integrations
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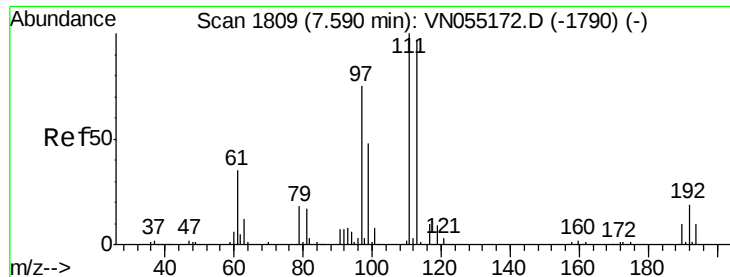
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	649800		
63	22.2	0.0	45.2	
88	16.1	0.0	32.8	





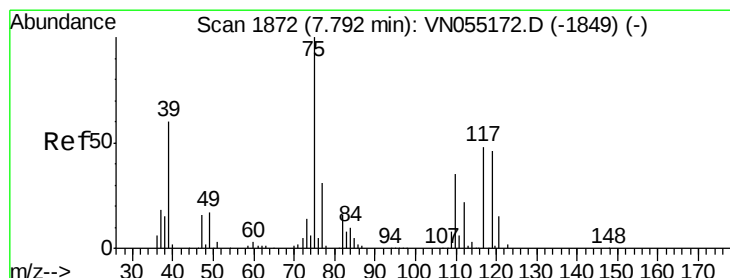
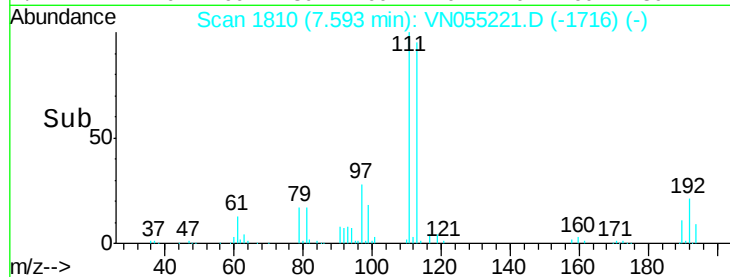
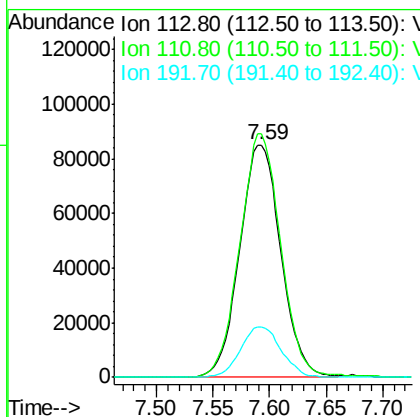
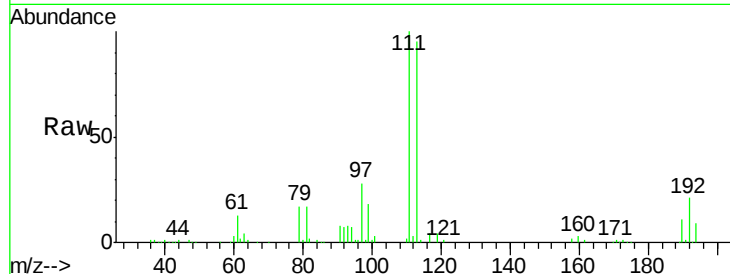
#35
 Dibromofluoromethane
 Concen: 48.868 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.1	81.0	121.4	
192	21.5	16.2	24.4	

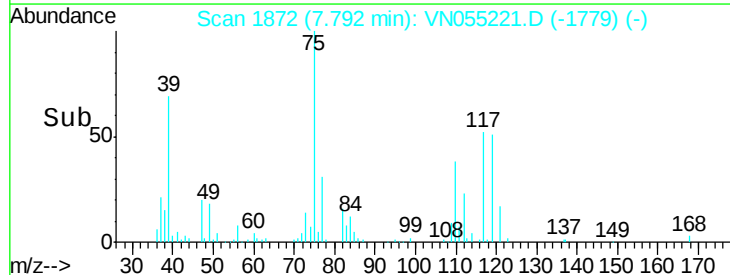
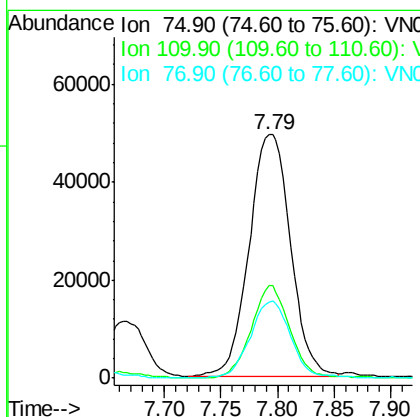
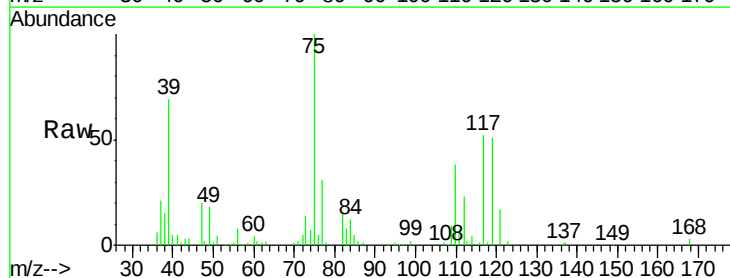
Manual Integrations
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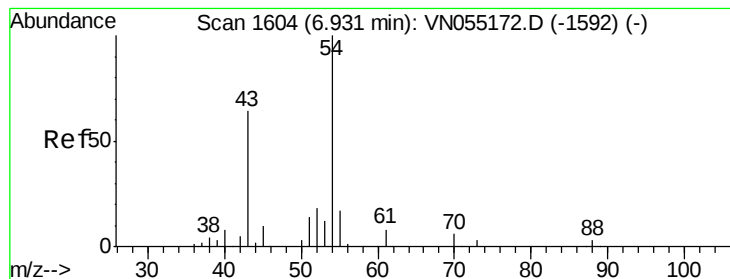
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#36
 1,1-Dichloropropene
 Concen: 20.851 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.4	17.1	51.2	
77	31.4	24.6	36.8	





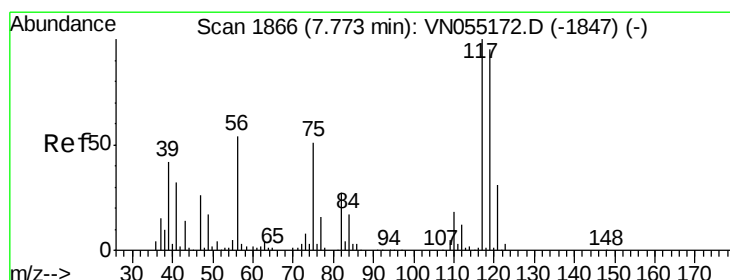
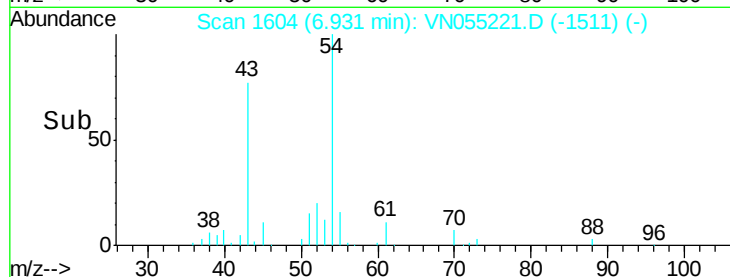
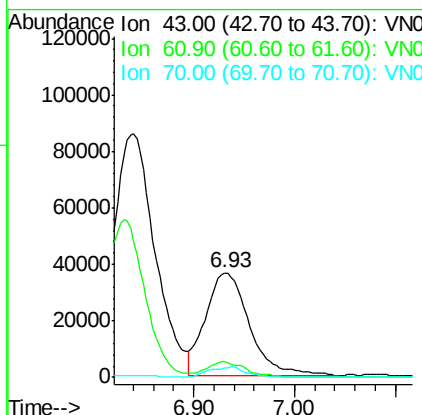
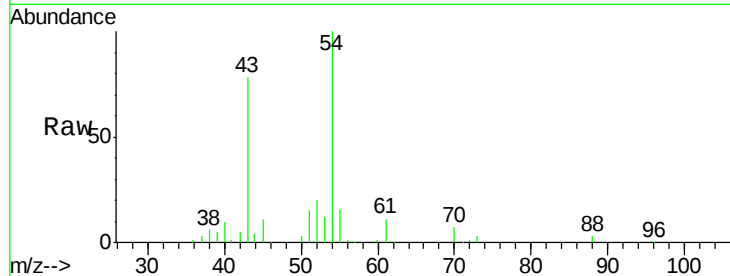
#37
Ethyl Acetate
Concen: 22.654 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	9.7	14.5
70	8.5	6.9	10.3

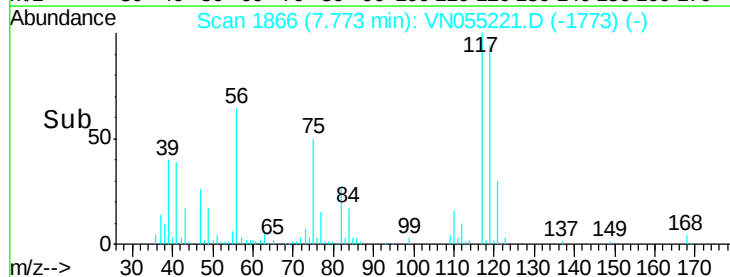
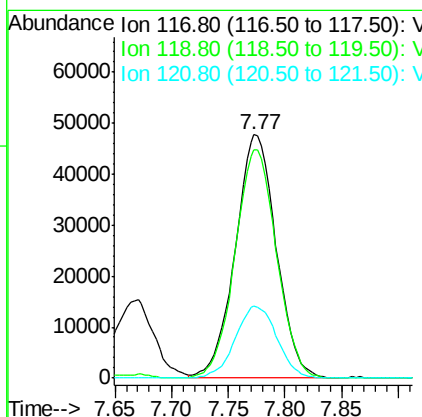
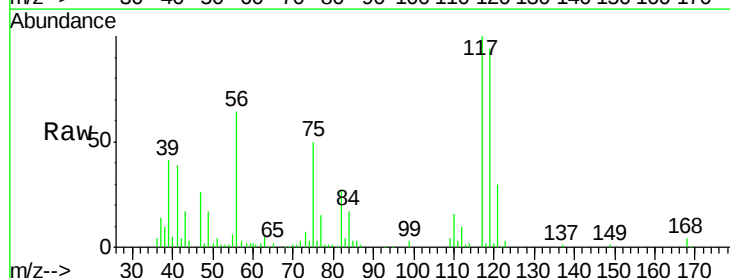
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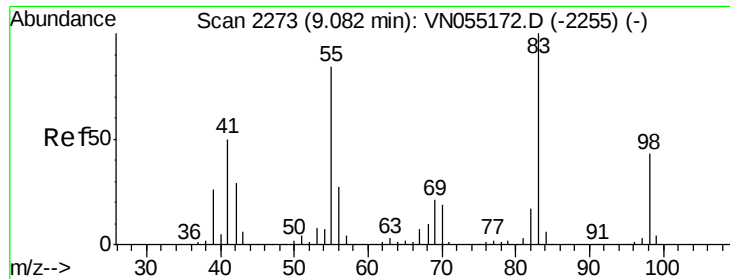
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#38
Carbon Tetrachloride
Concen: 21.309 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.0	114.0
121	29.8	24.6	36.8





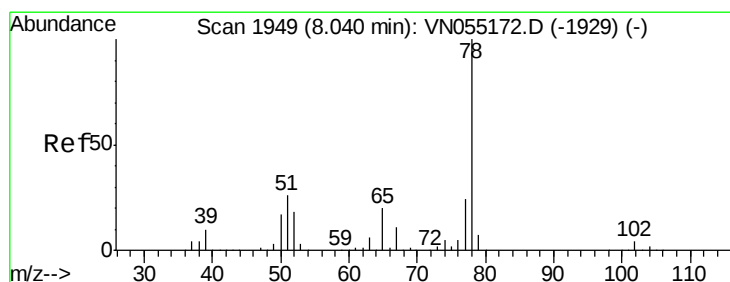
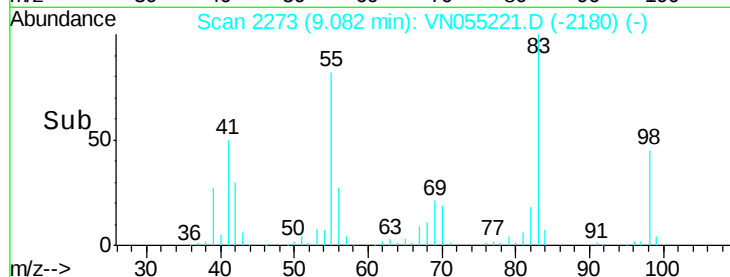
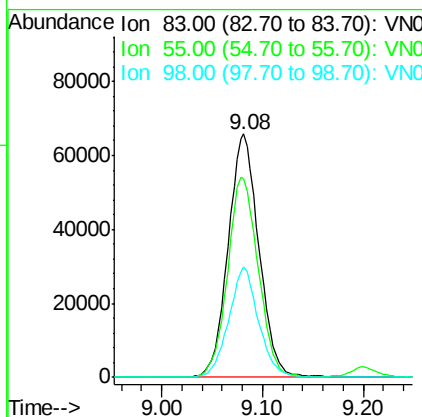
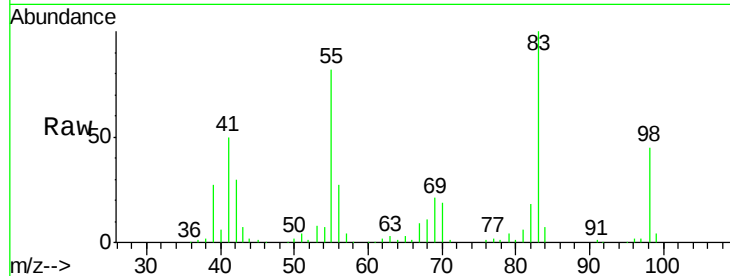
#39
Methvlcvclohexane
Concen: 19.378 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.5	67.4	101.0	
98	45.1	34.7	52.1	

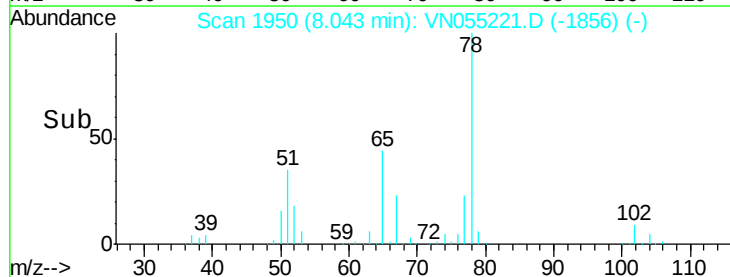
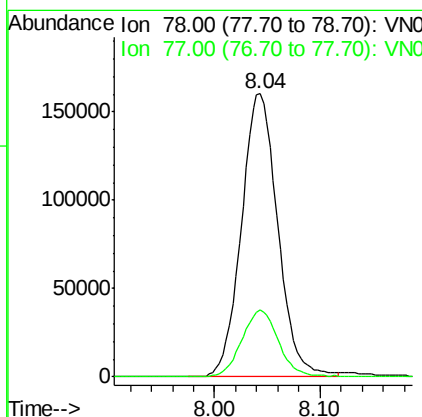
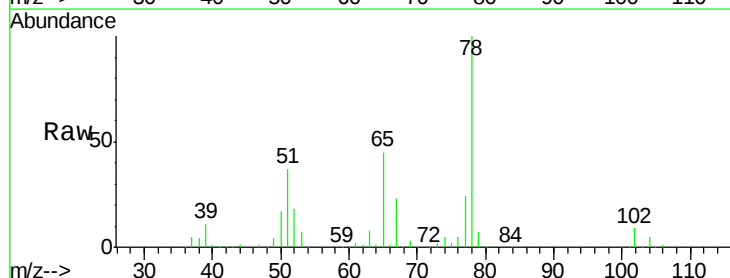
Manual Integrations
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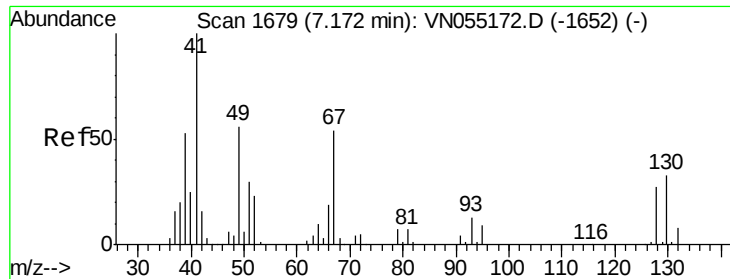
MMDadoda
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#40
Benzene
Concen: 20.670 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.5	29.3	





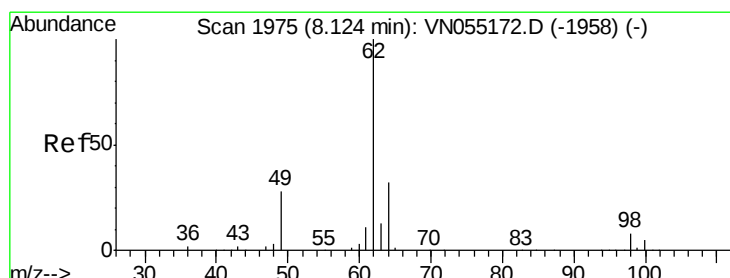
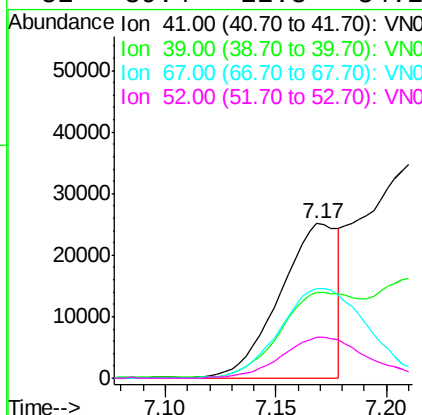
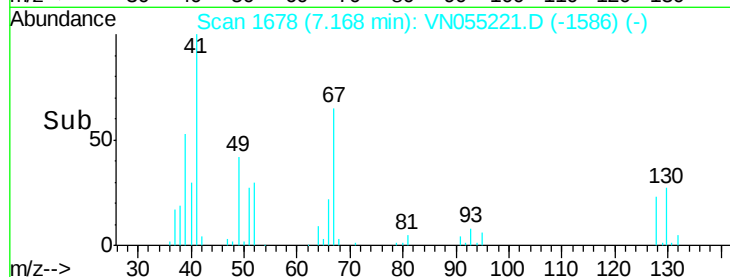
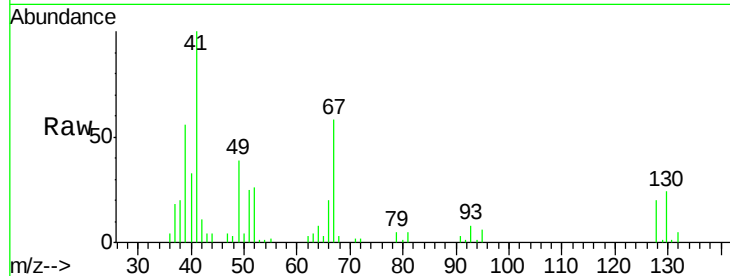
#41
Methacrylonitrile
Concen: 17.979 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	70.7	45.4	68.0#	
67	89.5	54.6	81.8#	
52	39.4	22.8	34.2#	

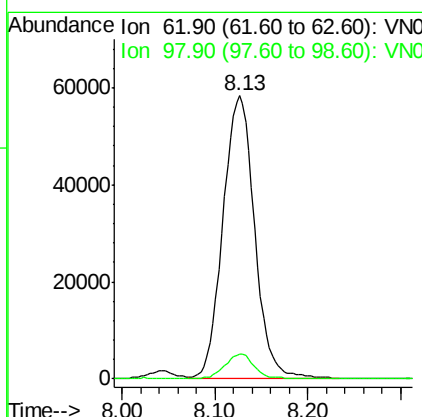
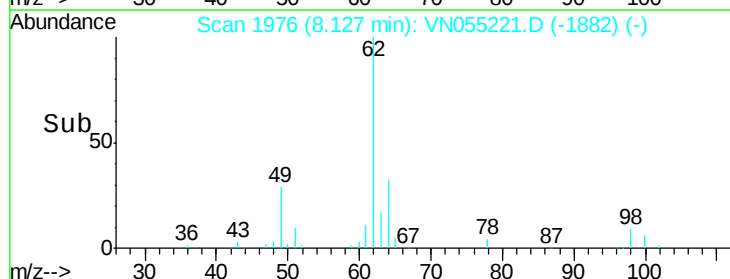
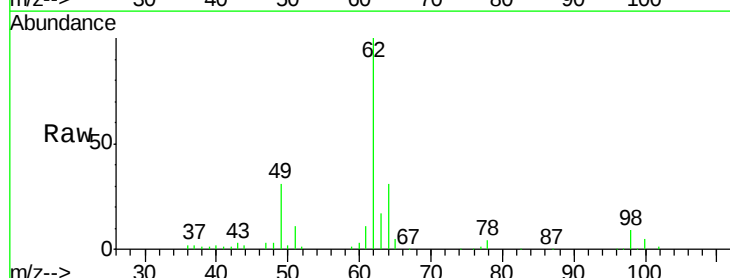
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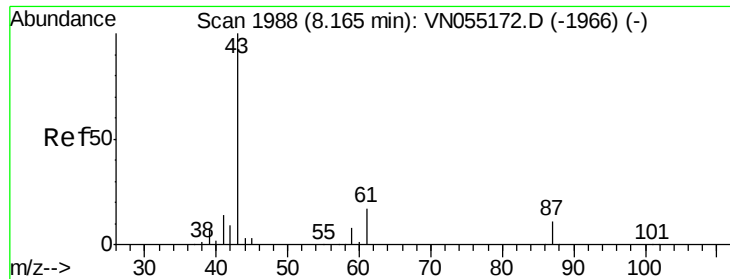
MMDadoda
4/25/2019 12:40:07 PM



#42
1,2-Dichloroethane
Concen: 21.188 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	17.0	





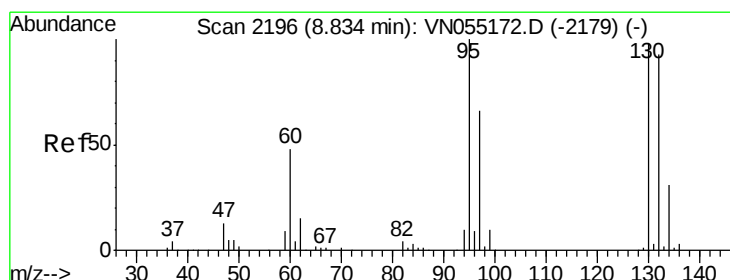
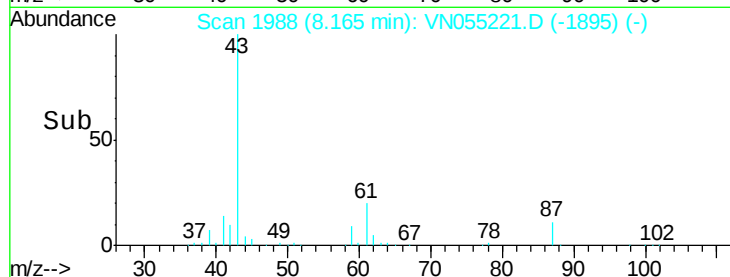
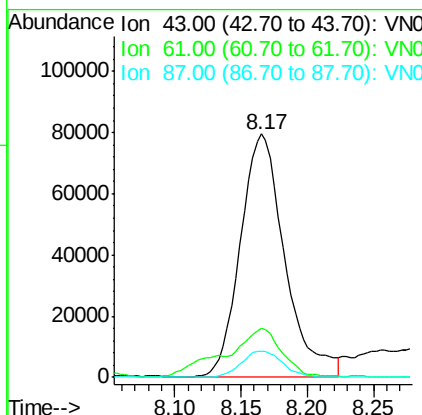
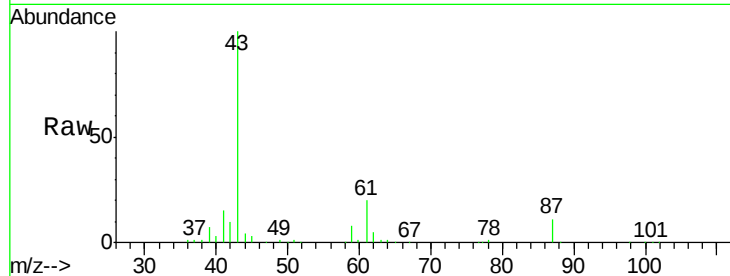
#43
Isopropyl Acetate
Concen: 23.368 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	20.6	30.8#
87	10.2	8.8	13.2

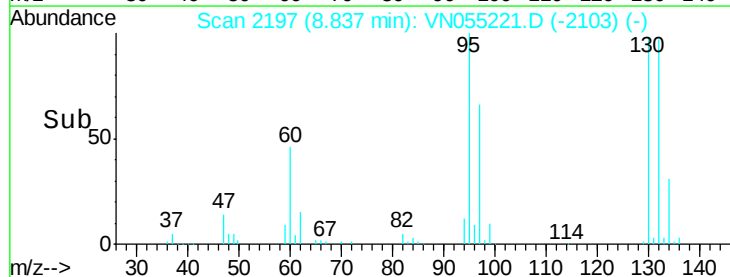
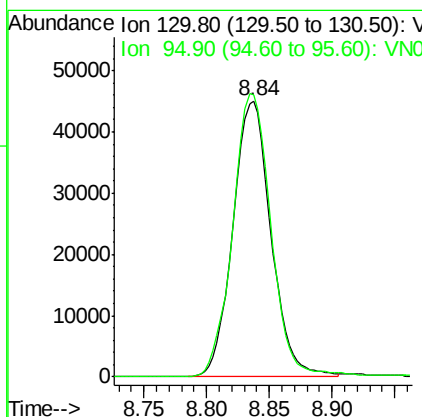
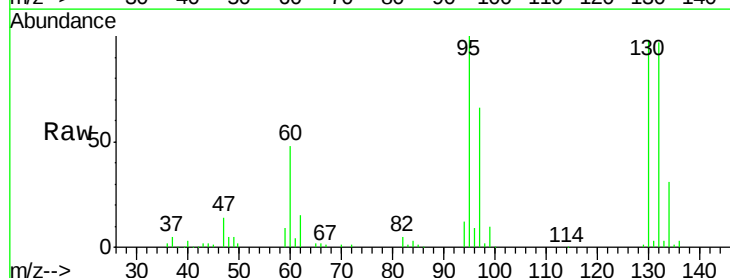
Manual Integrations
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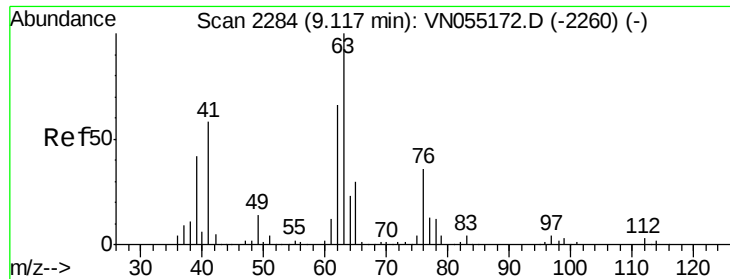
MMDadoda
4/25/2019 12:40:07 PM



#44
Trichloroethene
Concen: 20.274 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	203.6





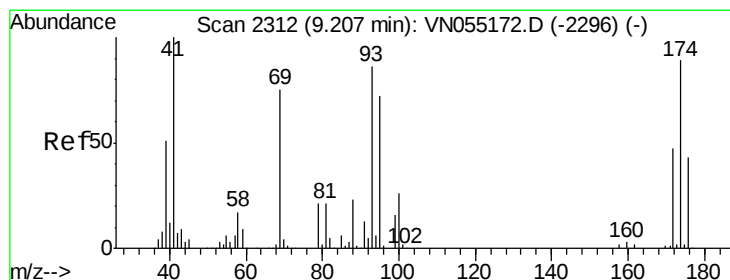
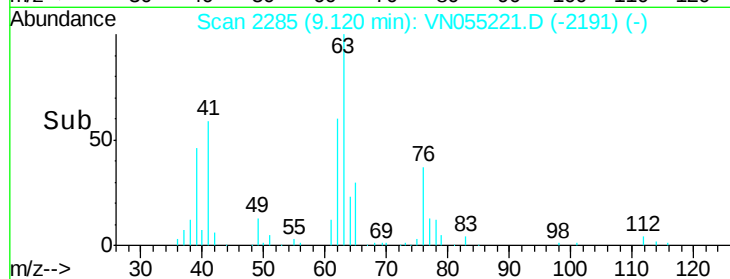
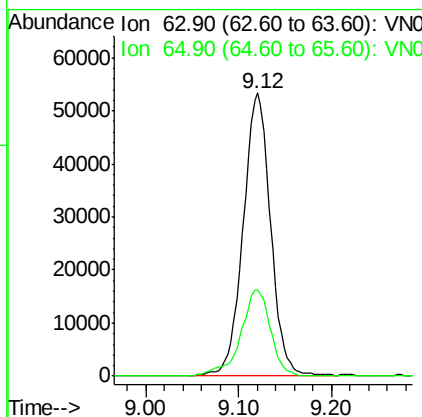
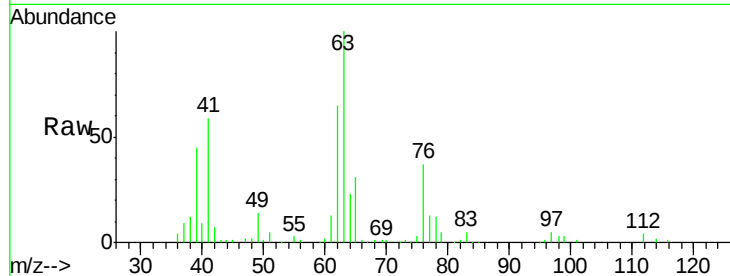
#45
 1,2-Dichloropropane
 Concen: 20.854 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Tot Ion: 63 Resp: 109597
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.8 35.6

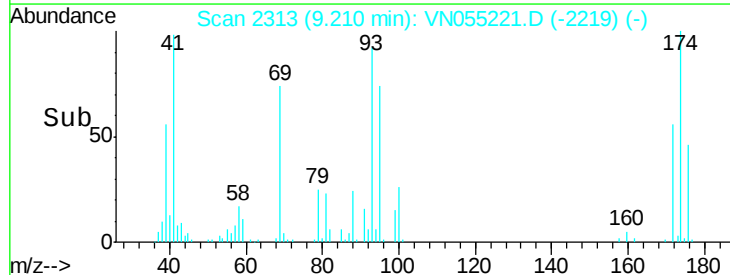
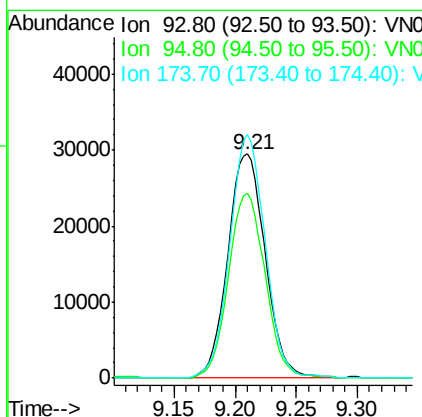
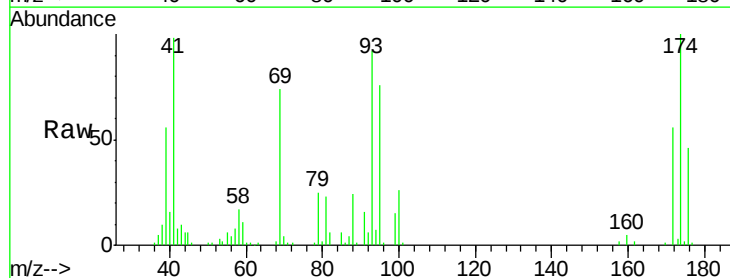
Manual Integrations
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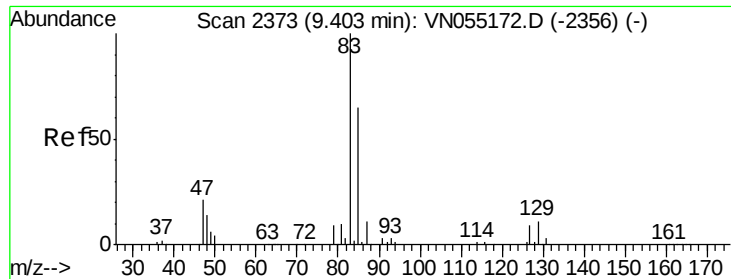
MMDadoda
 4/25/2019 12:40:07 PM



#46
 Dibromomethane
 Concen: 20.934 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion: 93 Resp: 62980
 Ion Ratio Lower Upper
 93 100
 95 80.9 67.6 101.4
 174 102.4 83.4 125.2





#47

Bromodichloromethane

Concen: 20.939 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

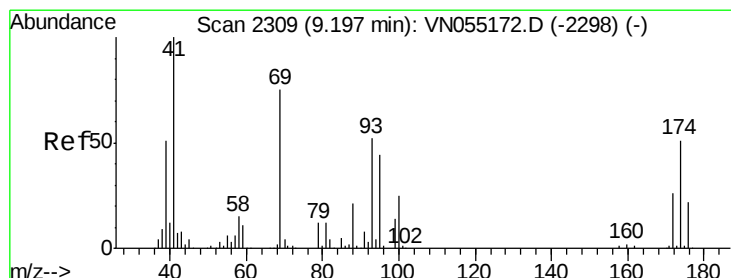
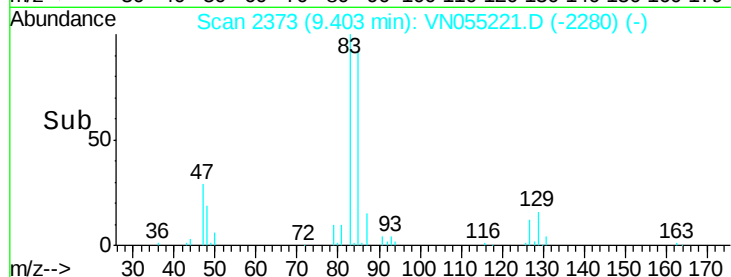
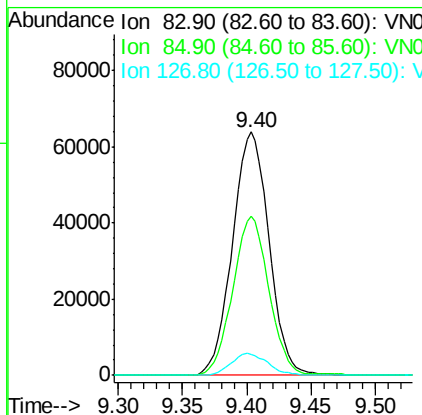
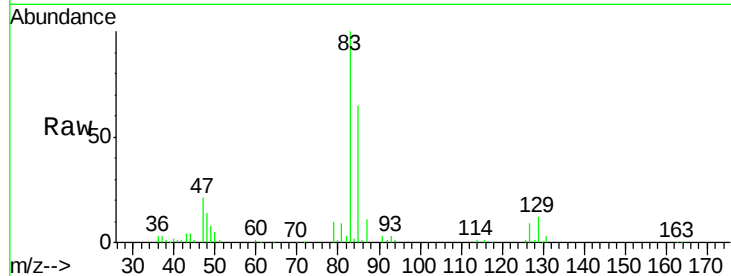
ClientSampleId :

VN0424WBSD01

Tot Ion:	83	Resp:	126105
Ion Ratio	Lower	Upper	
83	100		
85	65.4	52.1	78.1
127	8.8	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.265 ug/l

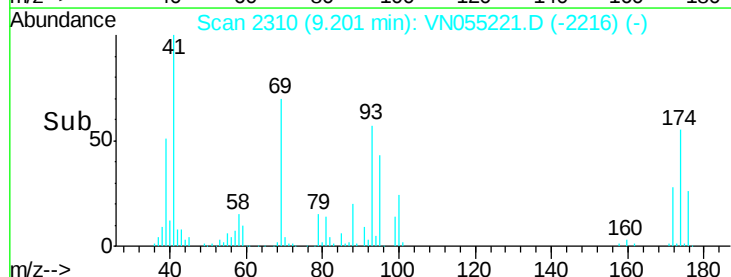
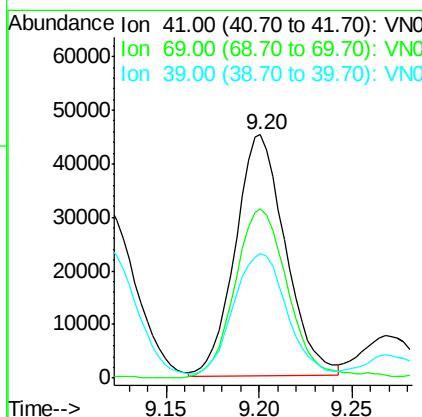
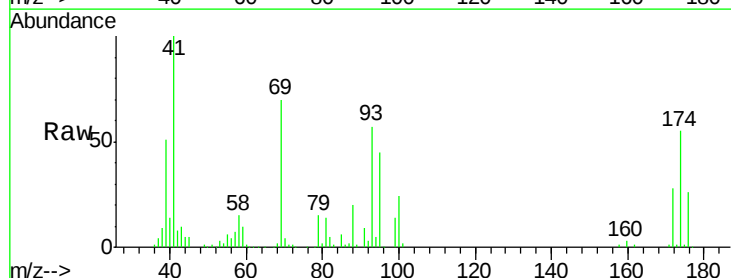
RT: 9.20 min Scan# 2310

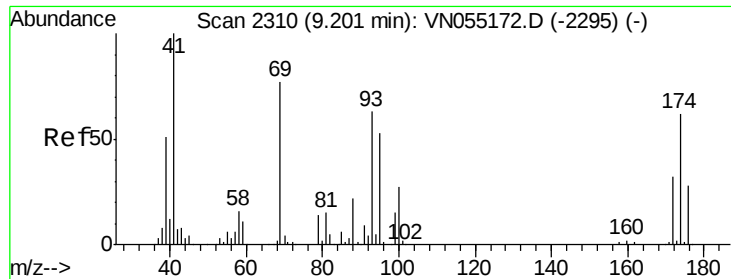
Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Tgt Ion:	41	Resp:	85125
Ion Ratio	Lower	Upper	
41	100		
69	74.7	63.6	95.4
39	54.6	43.8	65.8





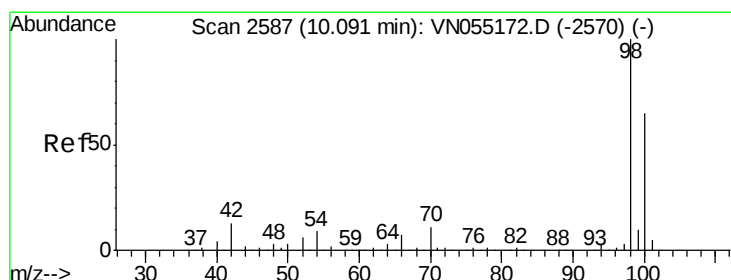
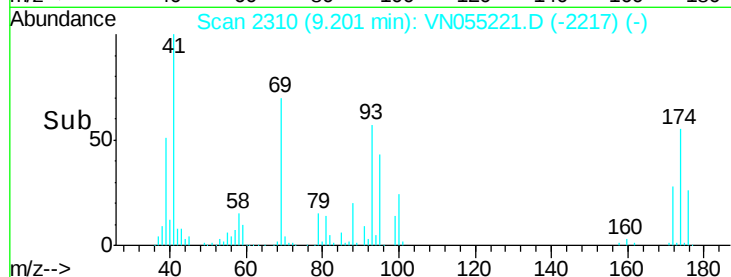
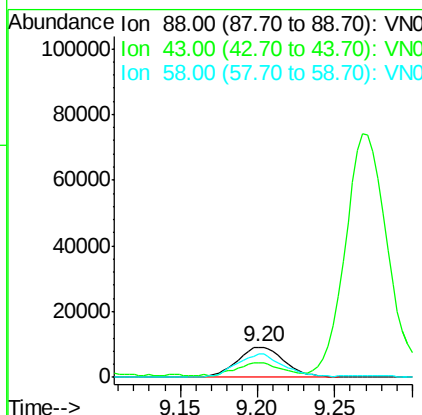
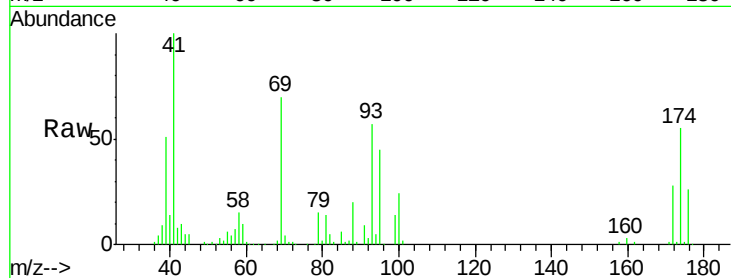
#49
1,4-Dioxane
Concen: 440.588 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleID :
VN0424WBSD01

Tot Ion	88	Resp	19453
Ion Ratio	Lower	Upper	
88	100		
43	38.6	32.0	48.0
58	77.3	60.4	90.6

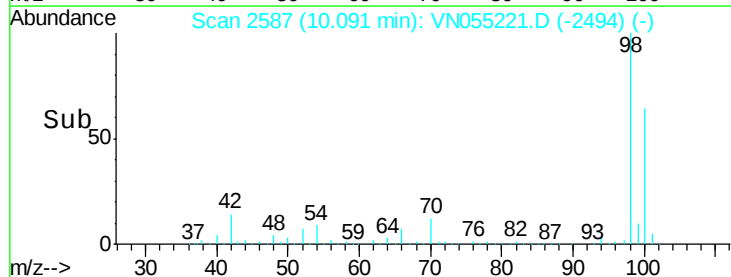
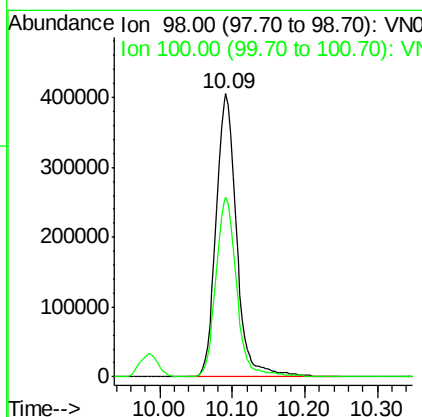
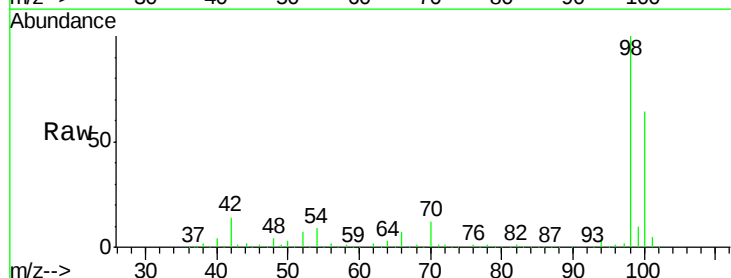
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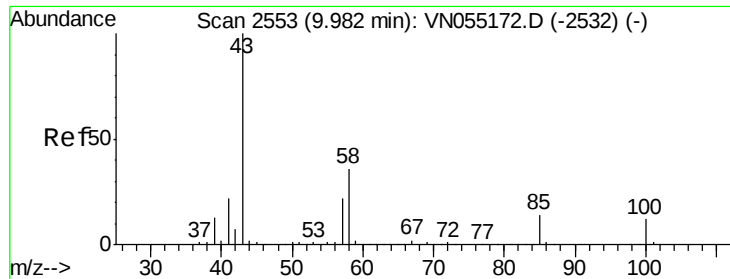
MMDadoda
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#50
Toluene-d8
Concen: 48.541 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	98	Resp	793933
Ion Ratio	Lower	Upper	
98	100		
100	64.2	51.8	77.6





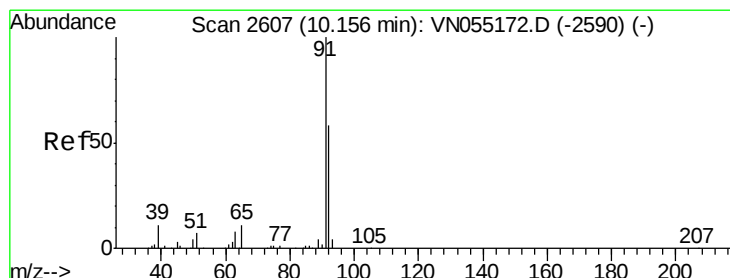
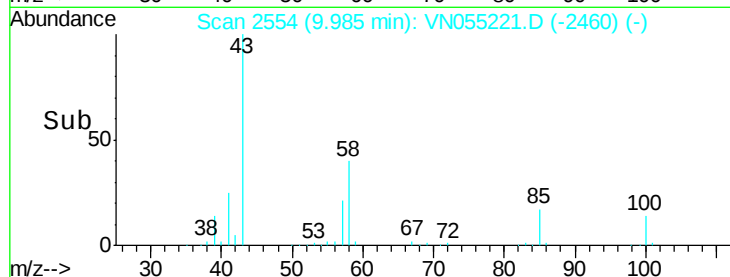
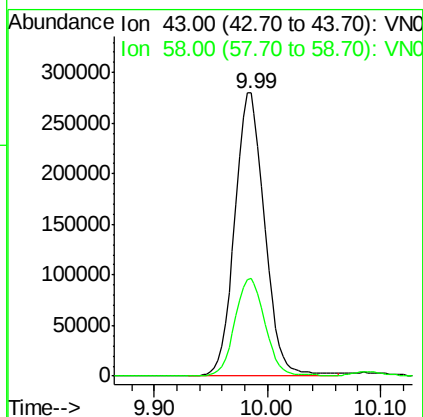
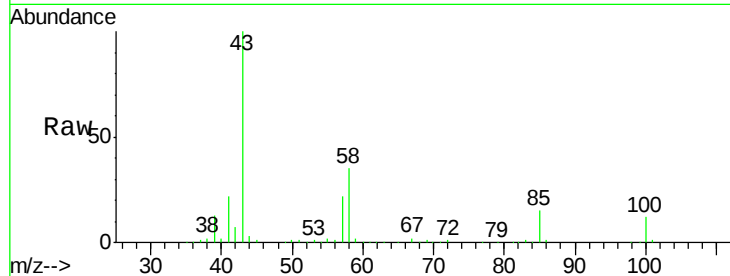
#51
4-Methyl-2-Pentanone
Concen: 113.497 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.3	42.5

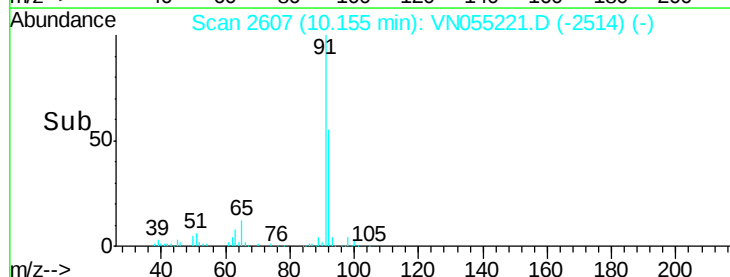
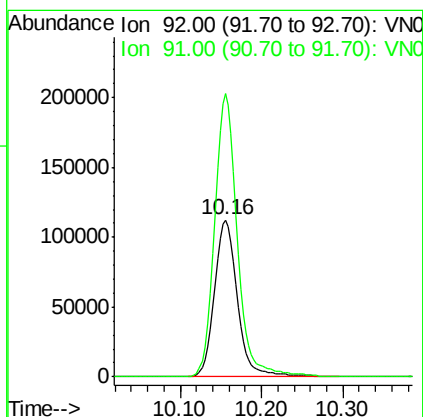
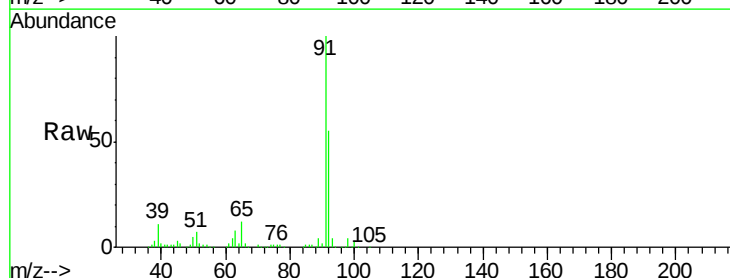
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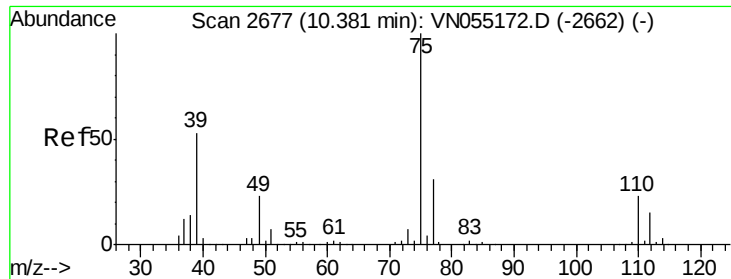
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#52
Toluene
Concen: 20.691 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.0	138.7	208.1





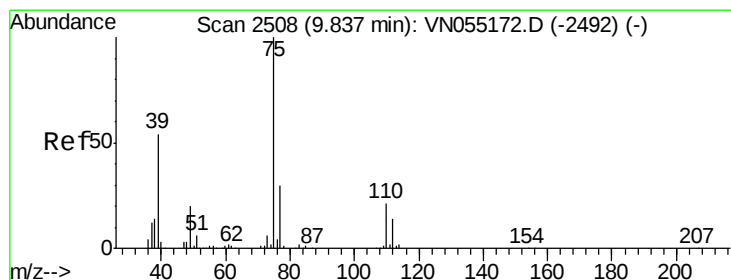
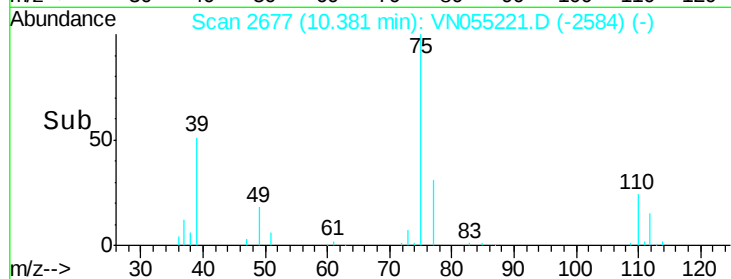
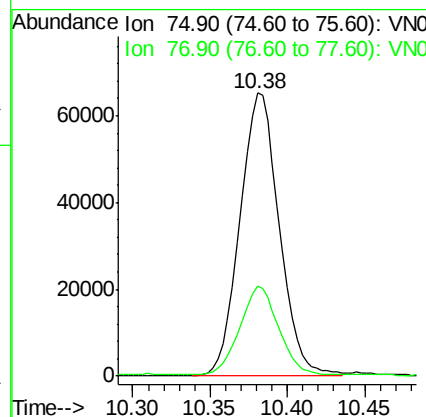
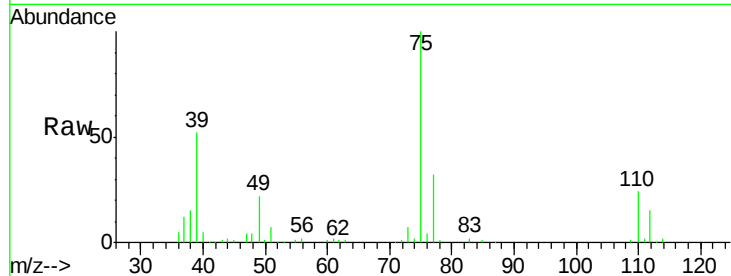
#53
 t-1,3-Dichloropropene
 Concen: 20.864 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Tot Ion: 75 Resp: 115316
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.1 37.7

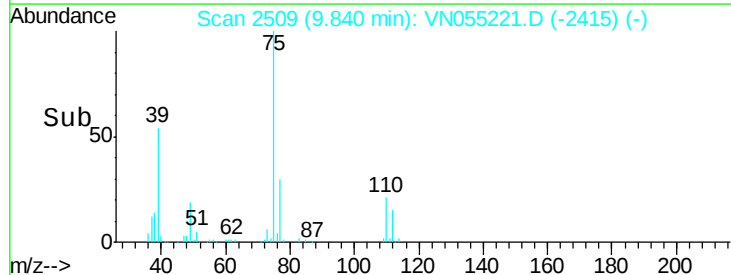
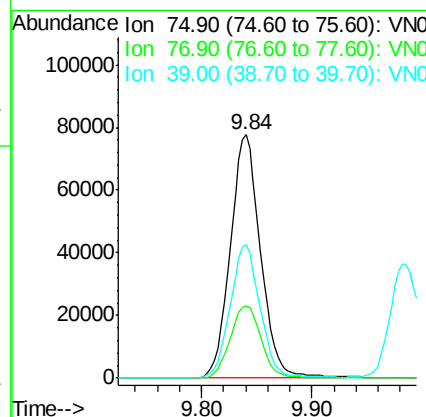
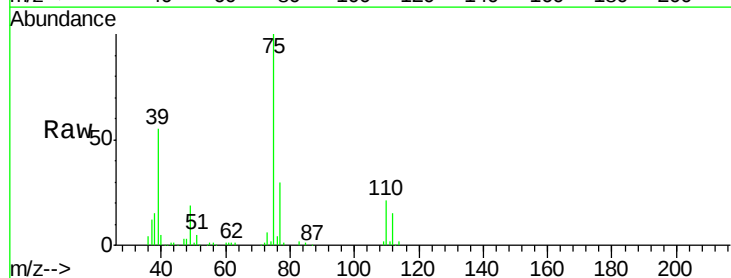
Manual Integrations
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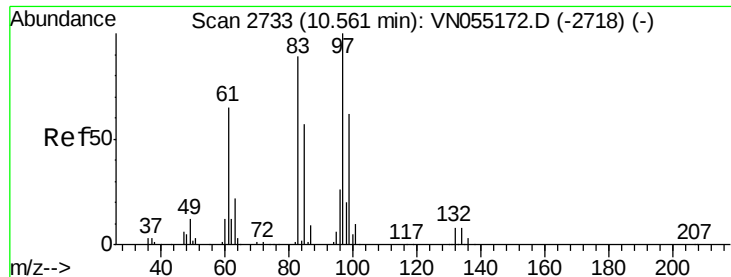
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#54
 cis-1,3-Dichloropropene
 Concen: 21.495 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion: 75 Resp: 147427
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.3 36.5
 39 54.8 43.0 64.4





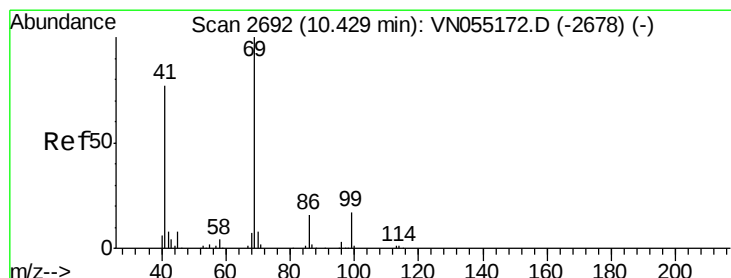
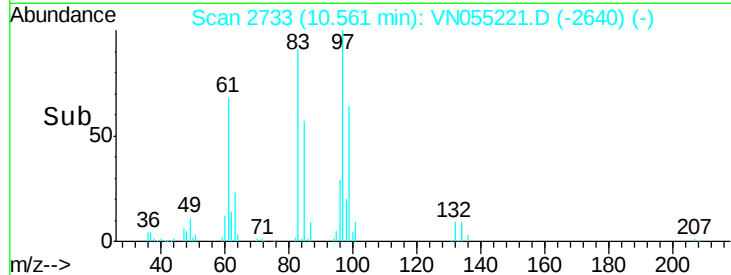
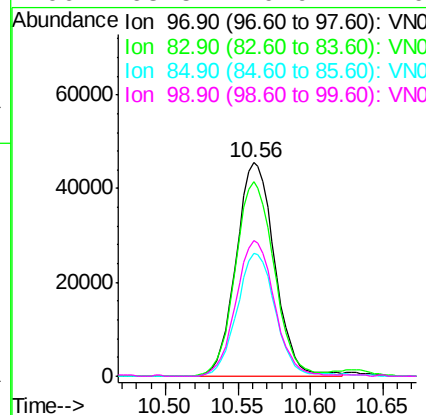
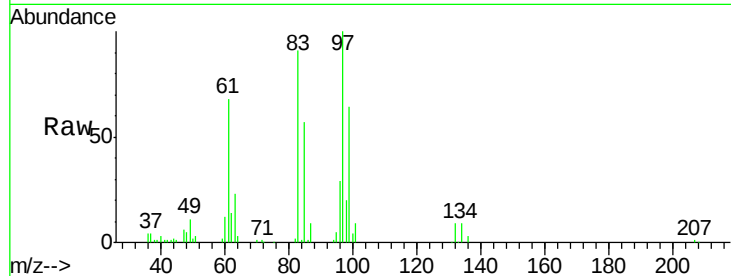
#55
 1,1,2-Trichloroethane
 Concen: 20.954 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Tot Ion:	97	Resp:	84316
Ion	Ratio	Lower	Upper
97	100		
83	90.8	71.5	107.3
85	57.3	45.8	68.6
99	63.5	49.9	74.9

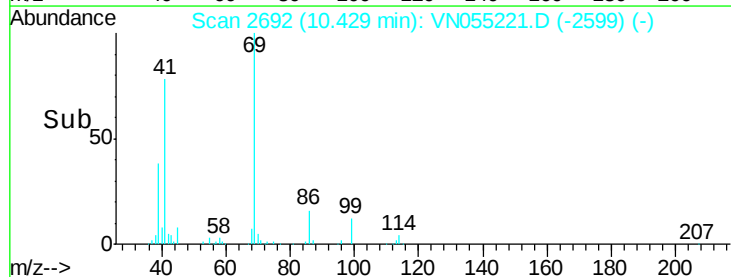
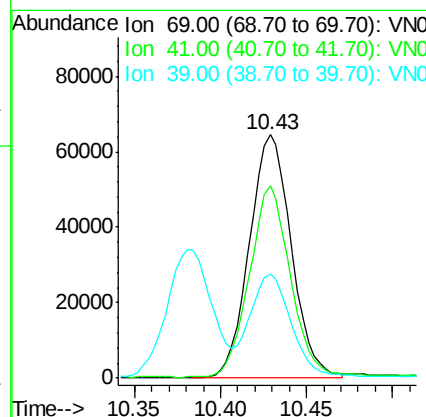
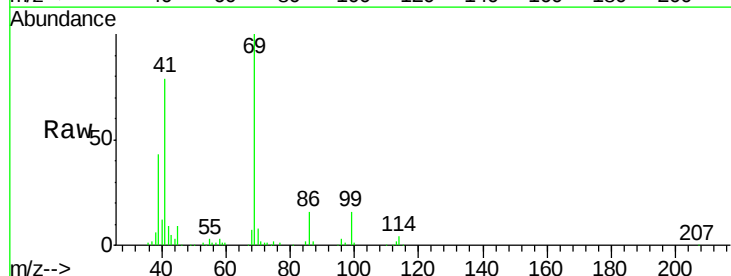
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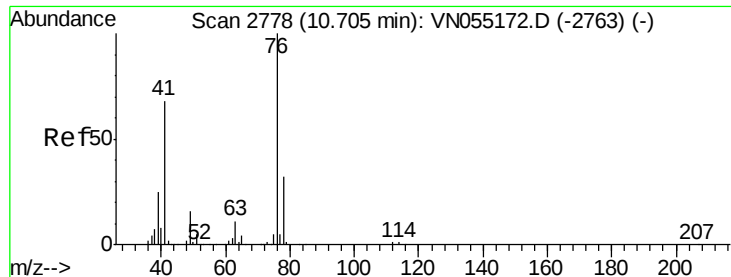
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#56
 Ethyl methacrylate
 Concen: 21.742 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion:	69	Resp:	108986
Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.6	90.8
39	42.0	31.7	47.5





#57

1,3-Dichloropropane

Concen: 21.543 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBSD01

Tot Ion: 76 Resp: 150816

Ion Ratio Lower Upper

76 100

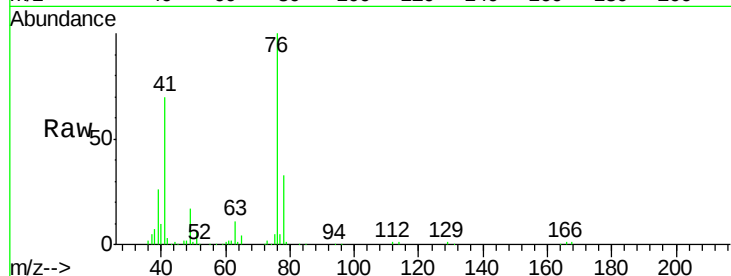
78 32.6 25.3 37.9

Manual Integrations

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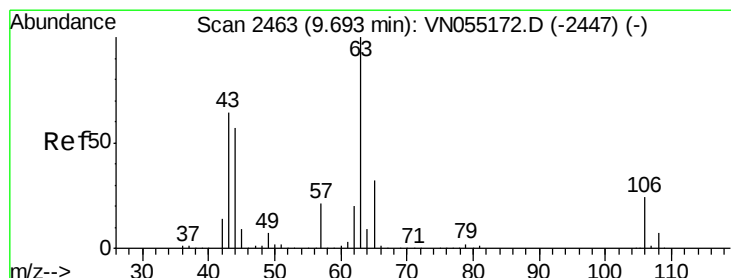
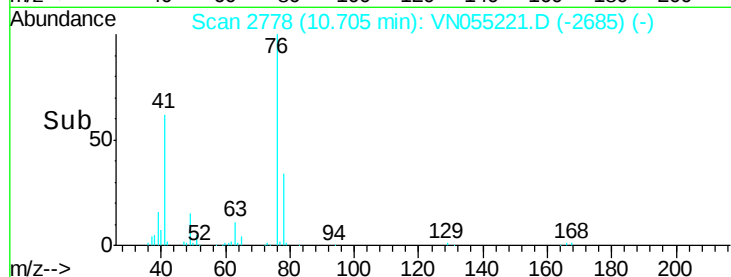
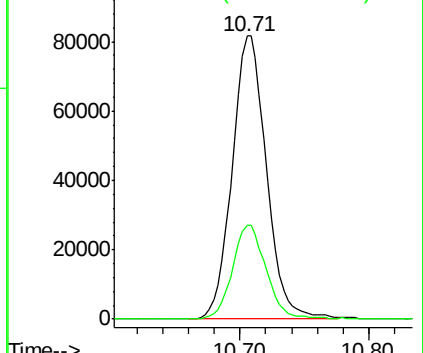
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 91.267 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055221.D

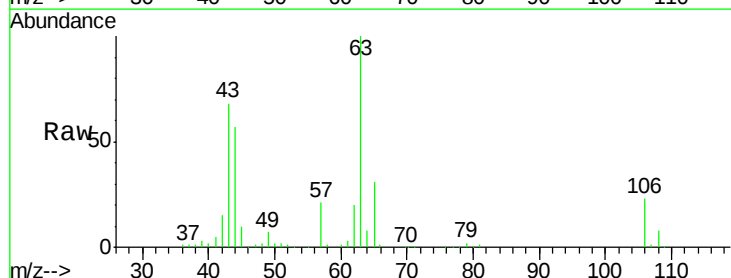
Acq: 24 Apr 2019 12:20

Tgt Ion: 63 Resp: 161791

Ion Ratio Lower Upper

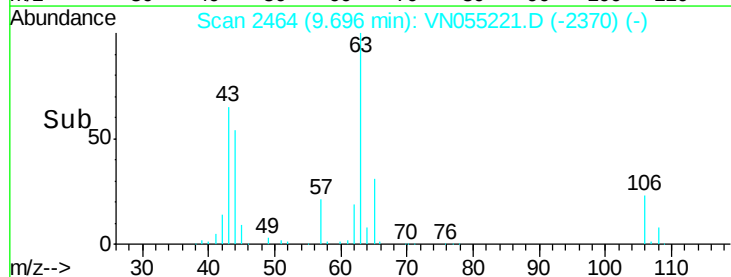
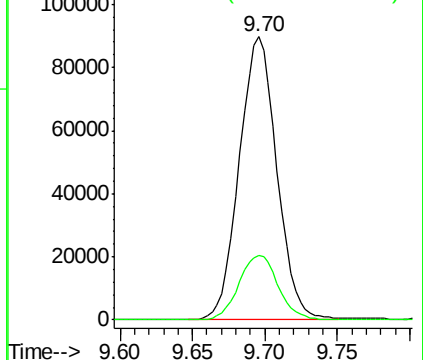
63 100

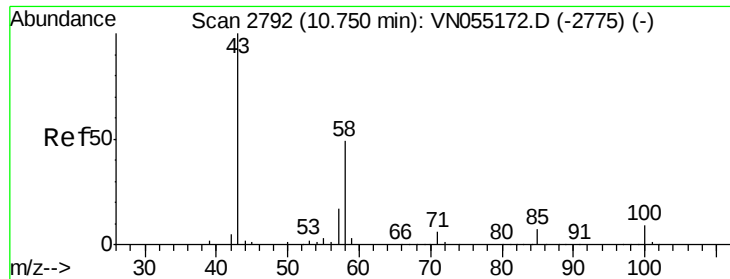
106 23.9 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





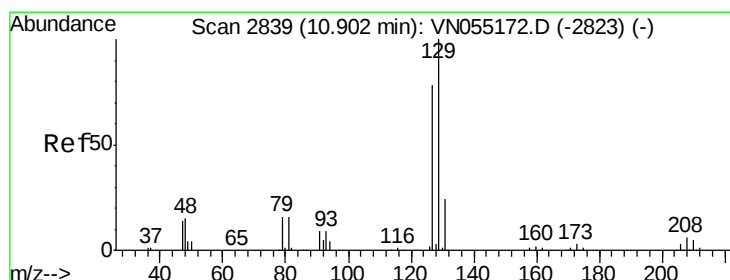
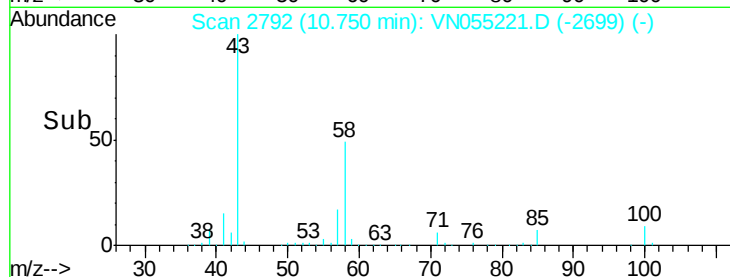
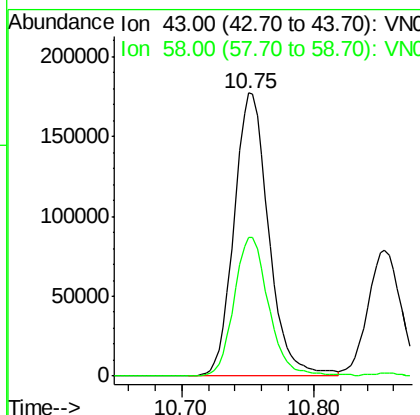
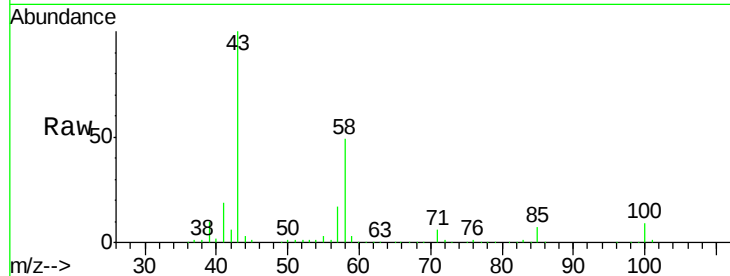
#59
2-Hexanone
Concen: 111.520 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	43	Resp	319484
Ion Ratio	100	Lower	Upper
58	49.7	24.5	73.5

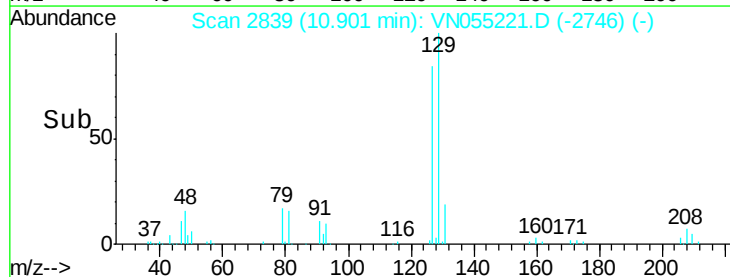
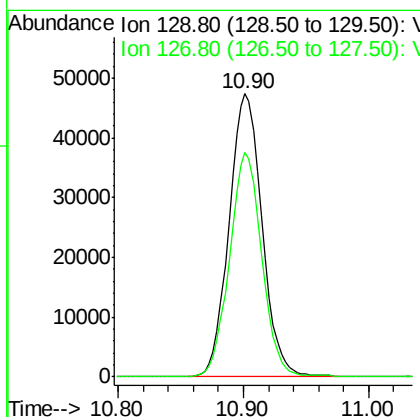
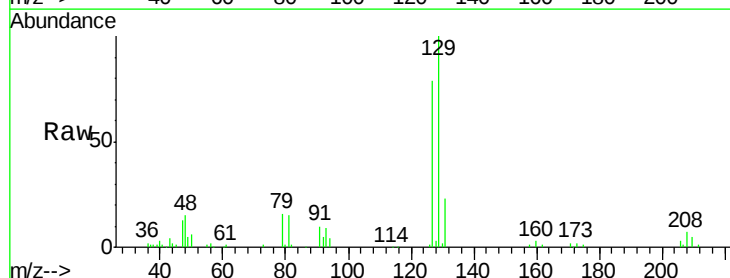
Manual Integrations
APPROVED

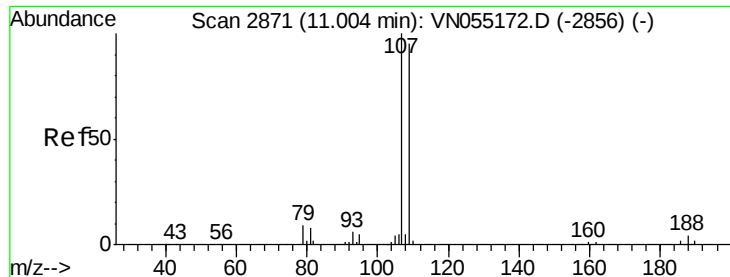
MMDadoda
4/25/2019 12:40:07 PM



#60
Dibromochloromethane
Concen: 20.941 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	129	Resp	86792
Ion Ratio	100	Lower	Upper
127	77.3	39.0	117.0





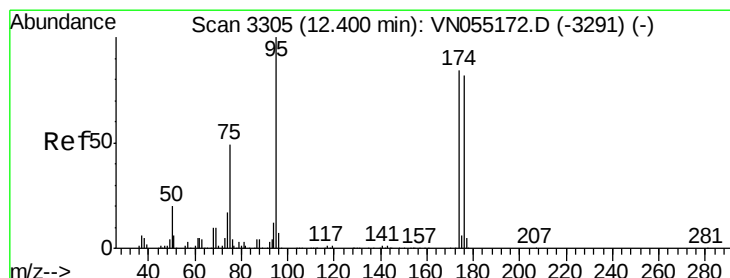
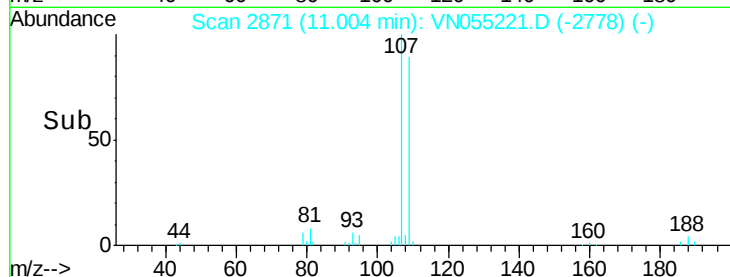
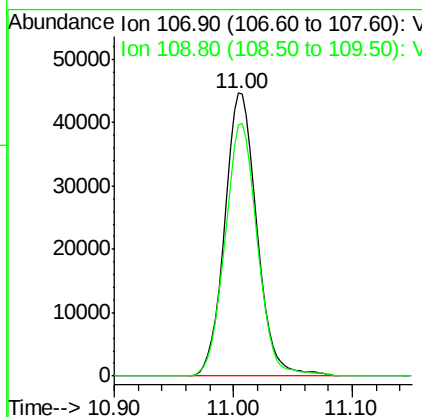
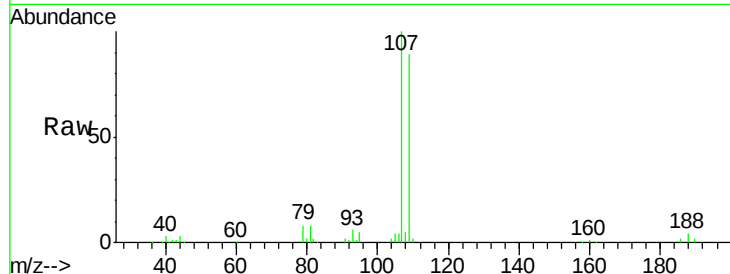
#61
 1,2-Dibromoethane
 Concen: 22.135 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Tot Ion: 107 Resp: 83741
 Ion Ratio Lower Upper
 107 100
 109 90.2 75.8 113.6

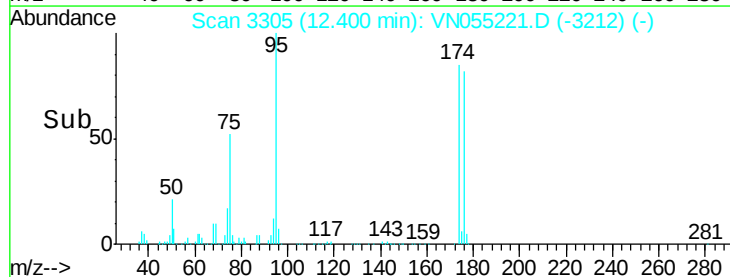
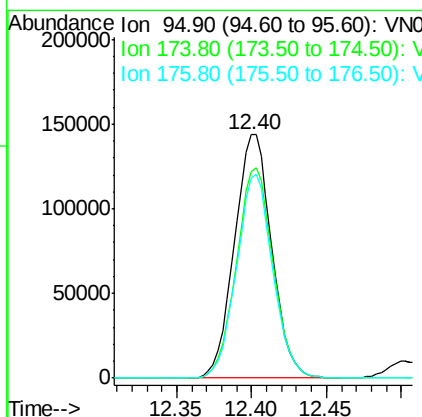
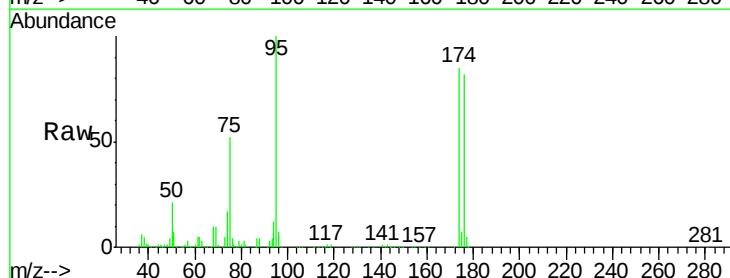
Manual Integrations
 APPROVED

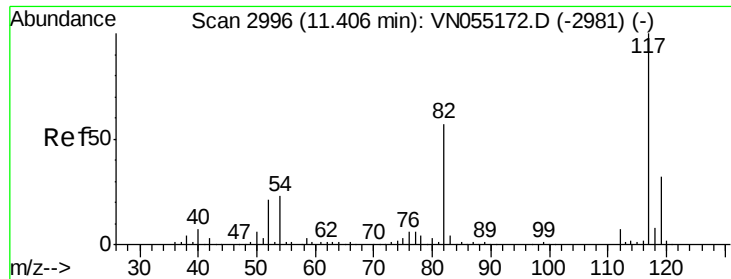
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.965 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion: 95 Resp: 248434
 Ion Ratio Lower Upper
 95 100
 174 85.7 0.0 168.4
 176 81.5 0.0 164.0





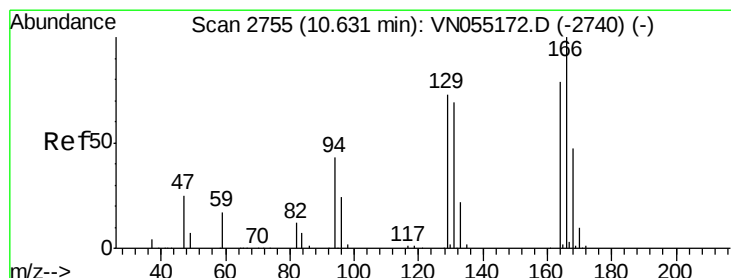
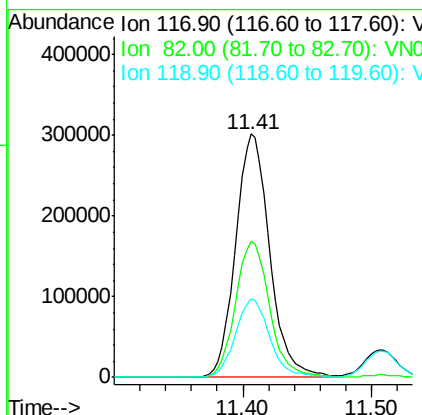
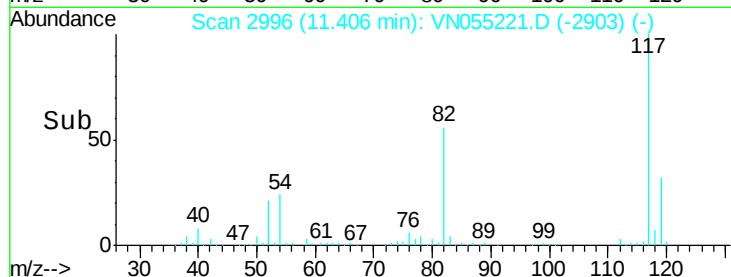
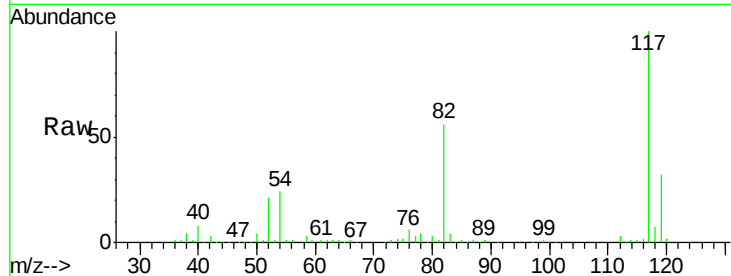
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.7	68.5
119	32.4	25.4	38.2

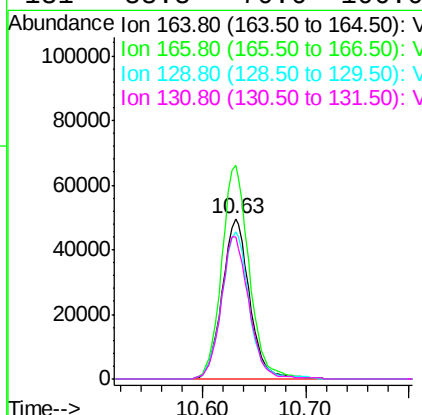
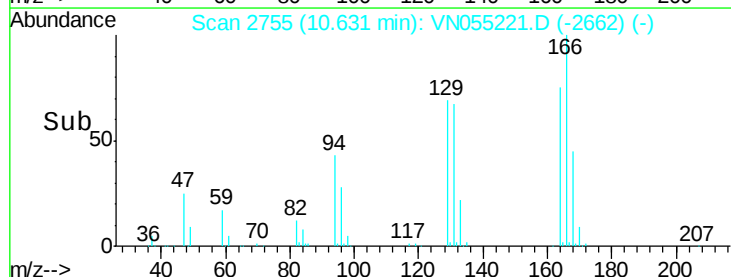
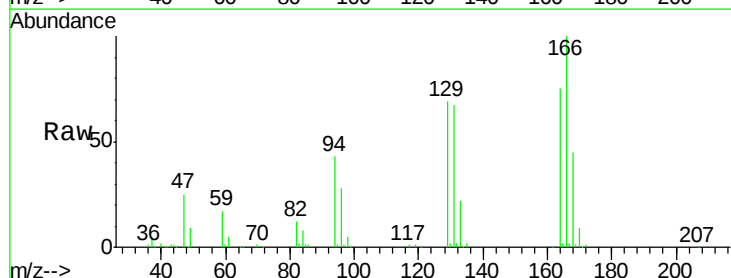
Manual Integrations
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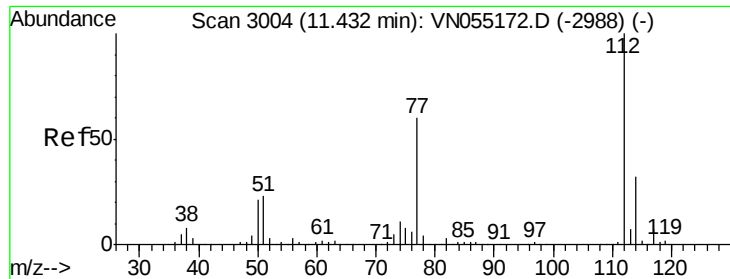
MMDadoda
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#64
Tetrachloroethene
Concen: 20.344 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.1	101.9	152.9
129	91.5	74.1	111.1
131	88.8	70.6	106.0





#65

Chlorobenzene

Concen: 20.078 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBSD01

Tot Ion:112 Resp: 227002

Ion Ratio Lower Upper

112 100

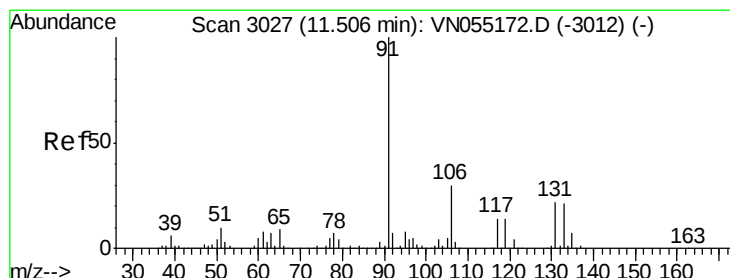
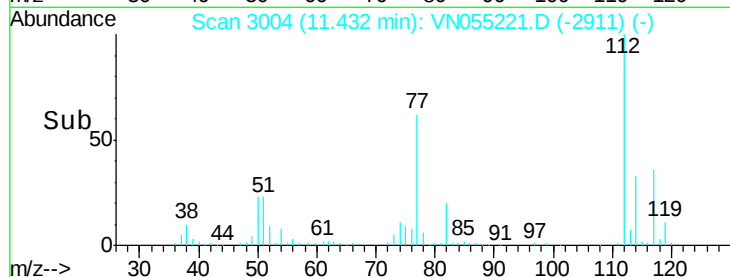
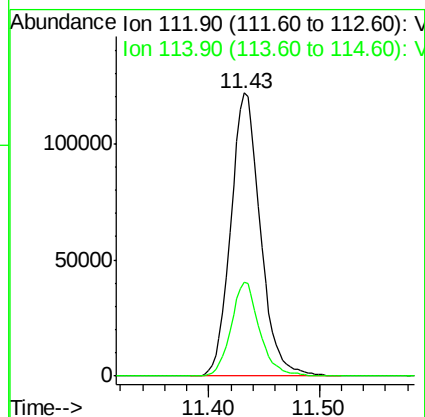
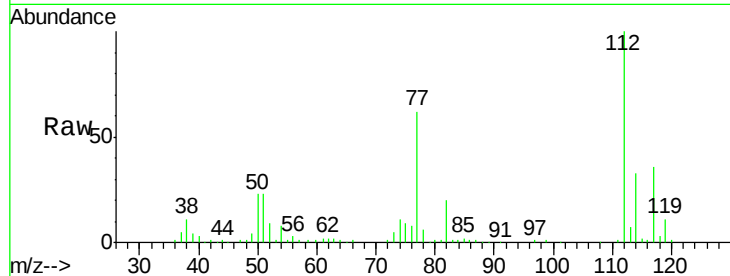
114 33.2 25.4 38.0

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.488 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

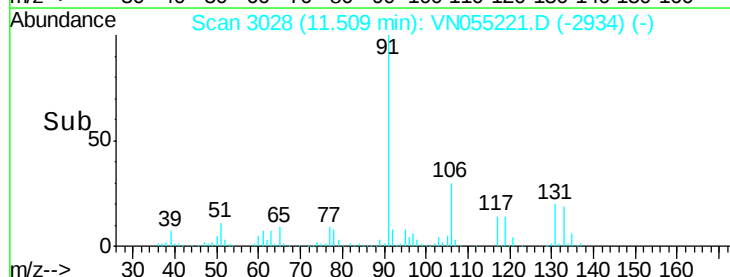
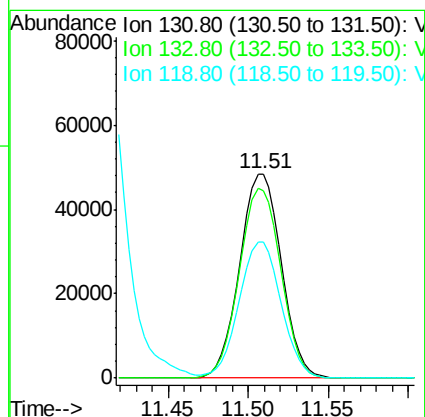
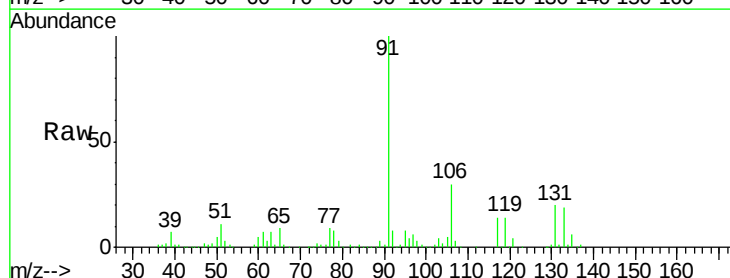
Tgt Ion:131 Resp: 85853

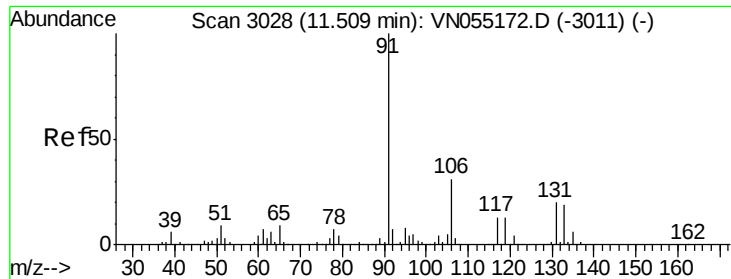
Ion Ratio Lower Upper

131 100

133 93.1 47.7 143.1

119 67.4 33.2 99.6





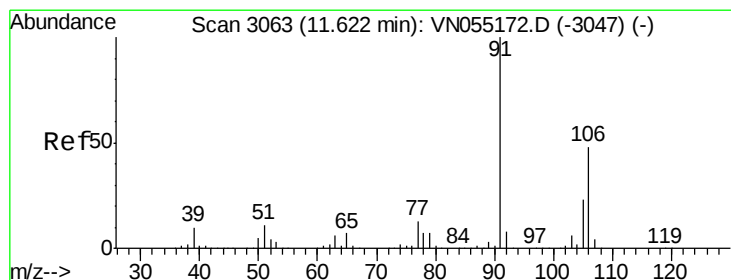
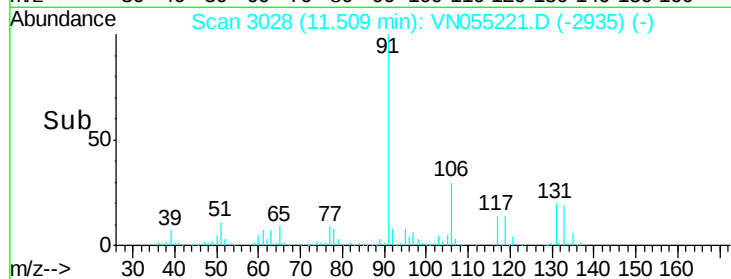
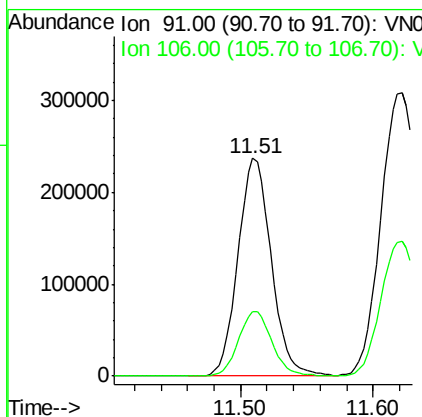
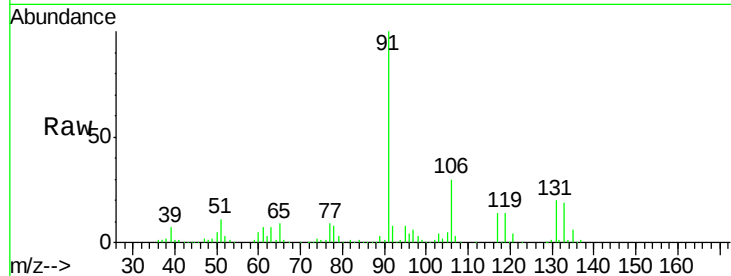
#67
Ethyl Benzene
Concen: 20.579 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampled :
VN0424WBSD01

Tot Ion: 91 Resp: 414456
Ion Ratio Lower Upper
91 100
106 29.6 24.5 36.7

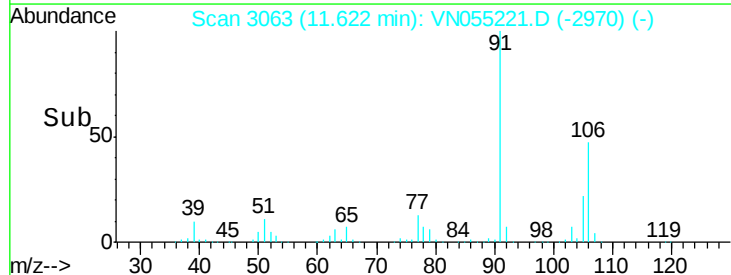
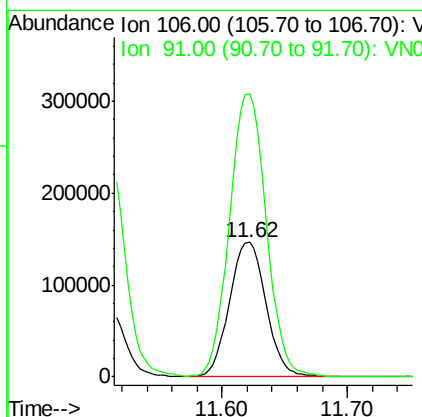
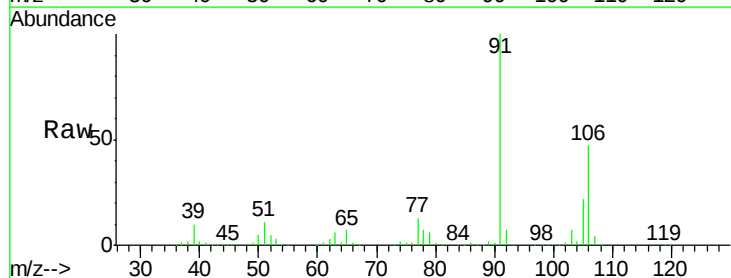
Manual Integrations
APPROVED

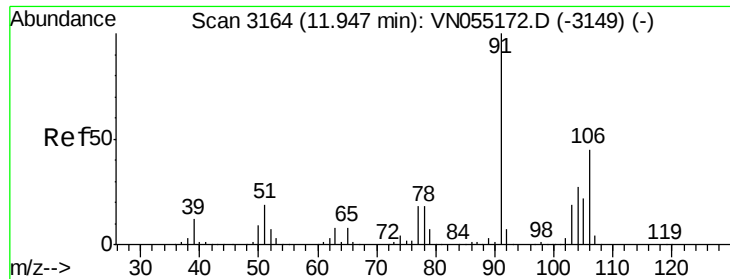
MMDadoda
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#68
m/p-Xylenes
Concen: 41.207 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion: 106 Resp: 297652
Ion Ratio Lower Upper
106 100
91 210.6 167.1 250.7





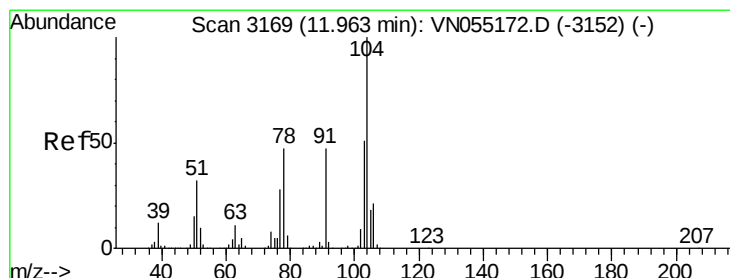
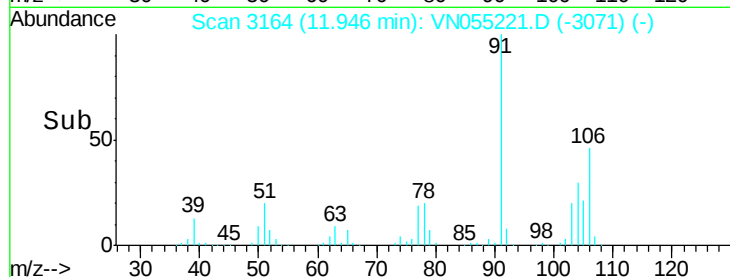
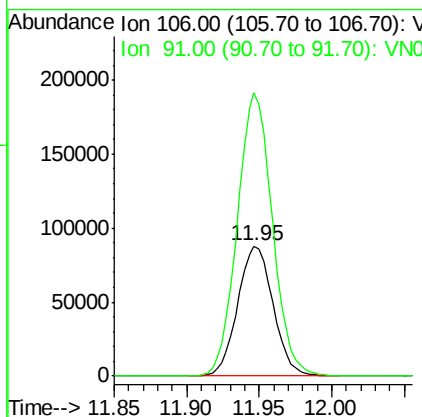
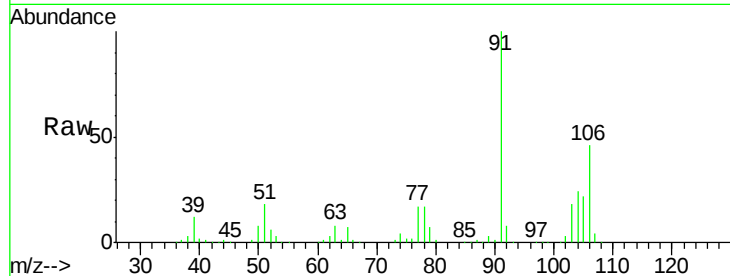
#69
o-Xylene
Concen: 20.873 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion:106 Resp: 149626
Ion Ratio Lower Upper
106 100
91 215.8 110.6 331.8

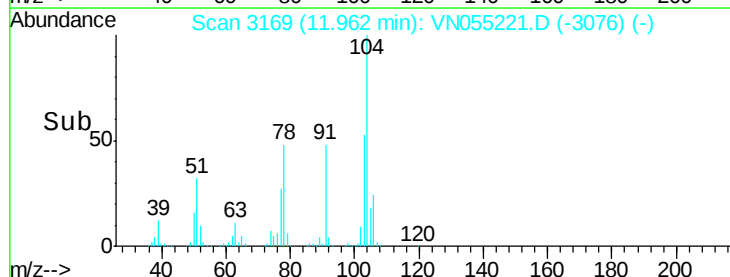
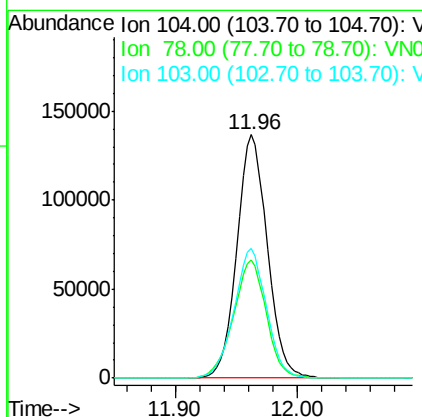
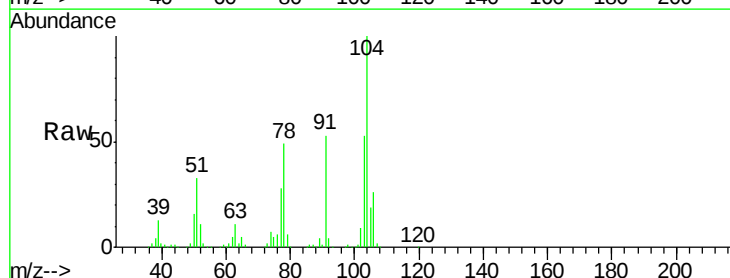
Manual Integrations
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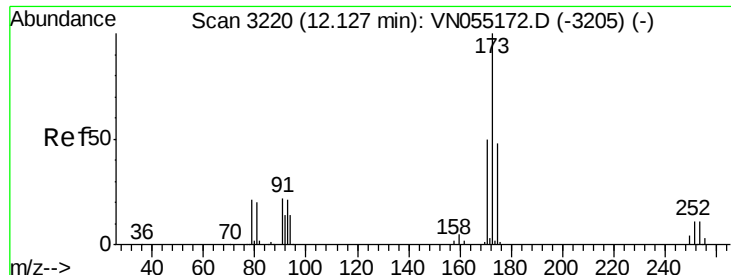
MMDadoda
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#70
Styrene
Concen: 21.158 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion:104 Resp: 235102
Ion Ratio Lower Upper
104 100
78 52.5 41.3 61.9
103 56.7 44.2 66.4





#71

Bromoform

Concen: 21.375 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

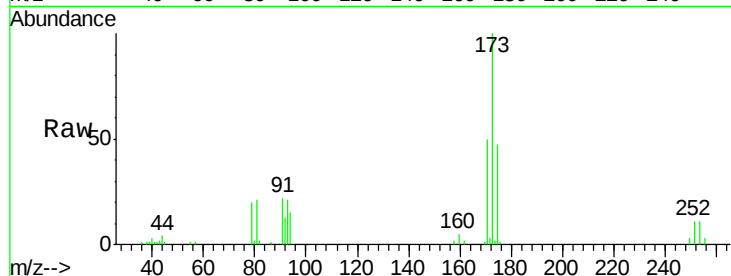
ClientSampleId :

VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
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4/25/2019 12:40:07 PM

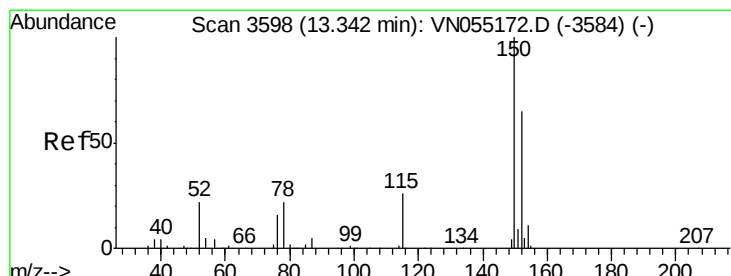
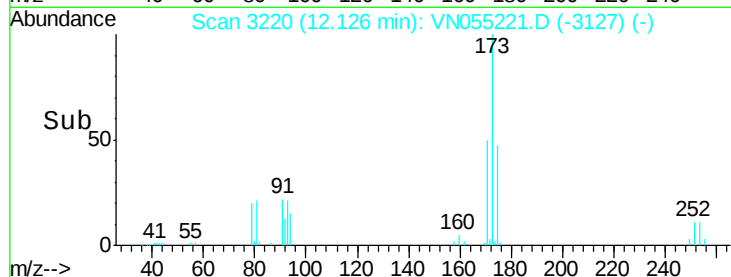
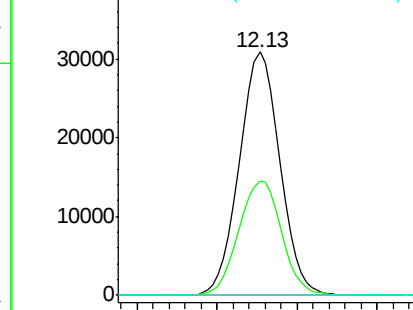


Abundance

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

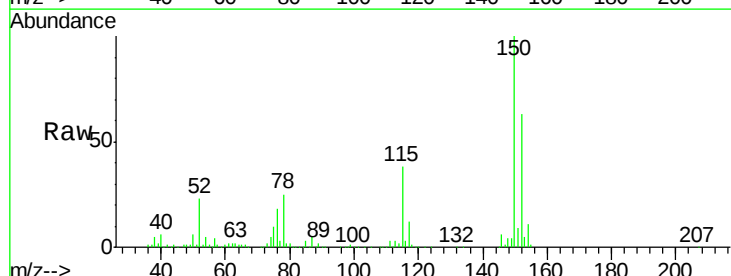
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.9	86.7
150	164.5	0.0	346.6

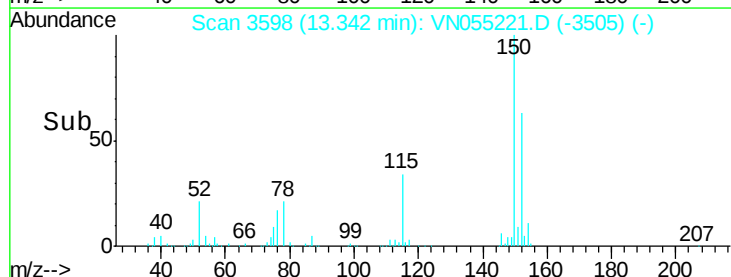
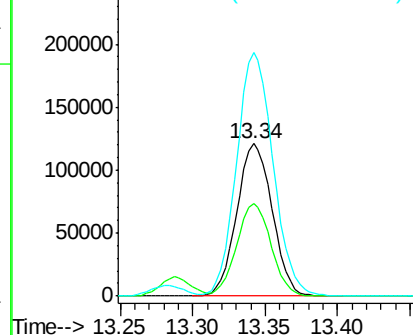


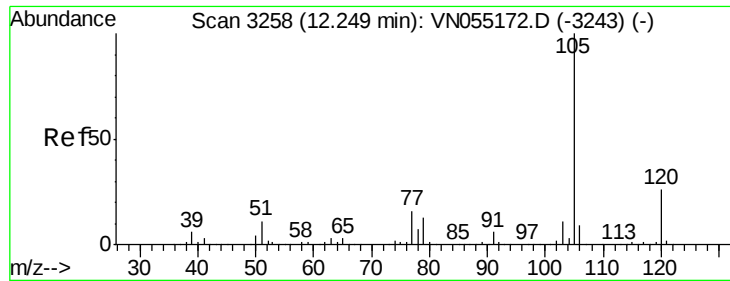
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.644 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

VN0424WBSD01

Tot Ion: 105 Resp: 394348

Ion Ratio Lower Upper

105 100

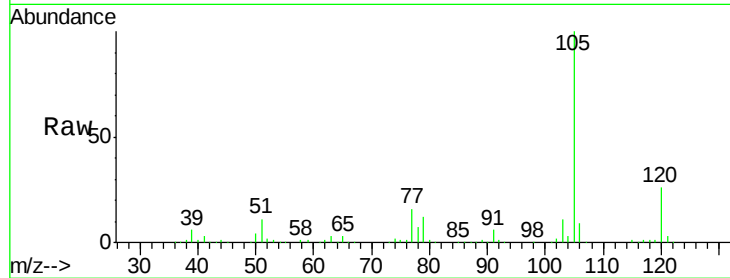
120 26.1 13.1 39.1

Manual Integrations

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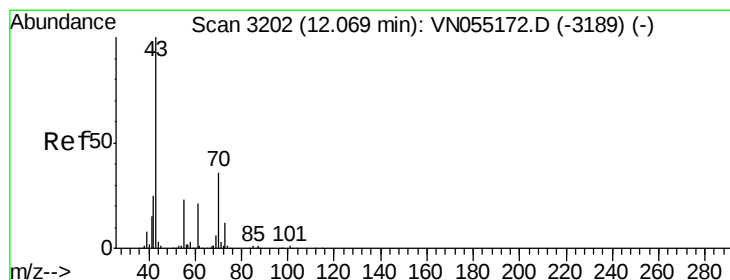
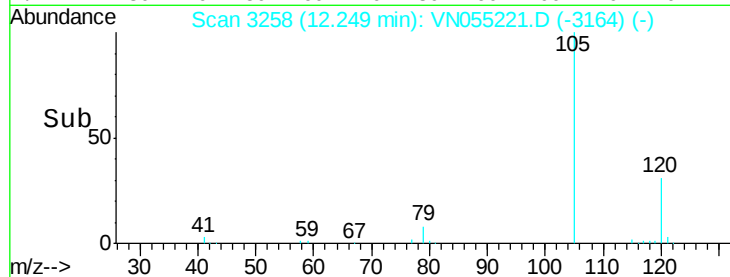
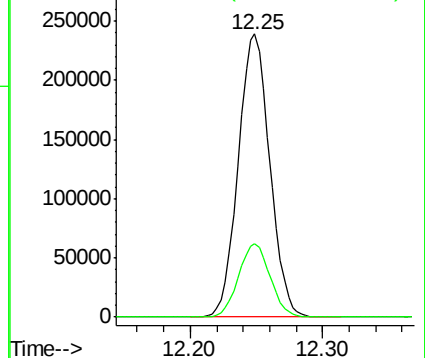
MMDadoda

4/25/2019 12:40:07 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.824 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Tgt Ion: 43 Resp: 120950

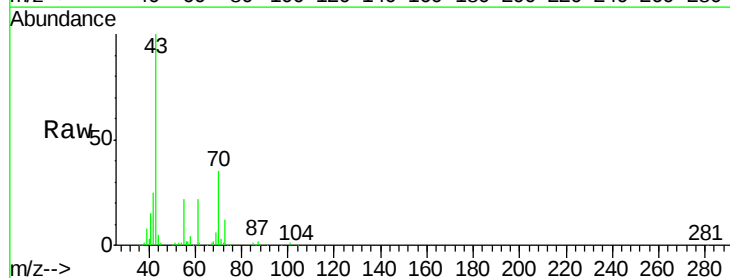
Ion Ratio Lower Upper

43 100

70 34.6 29.0 43.6

55 23.1 18.5 27.7

61 21.4 17.0 25.4

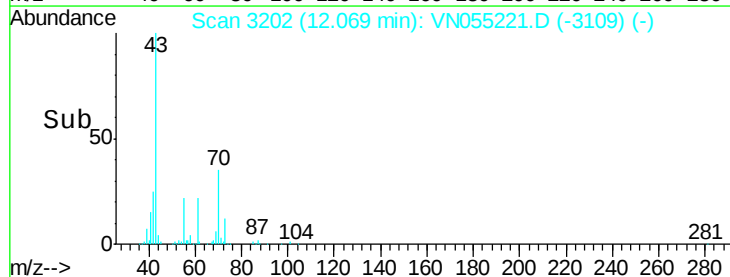
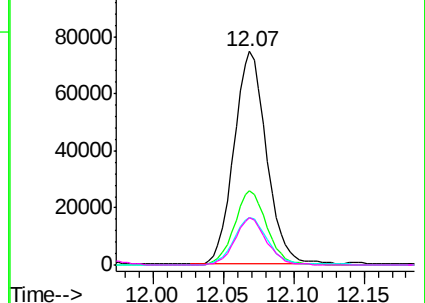


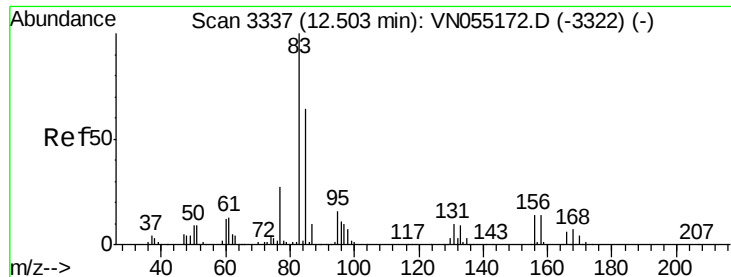
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 24.181 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

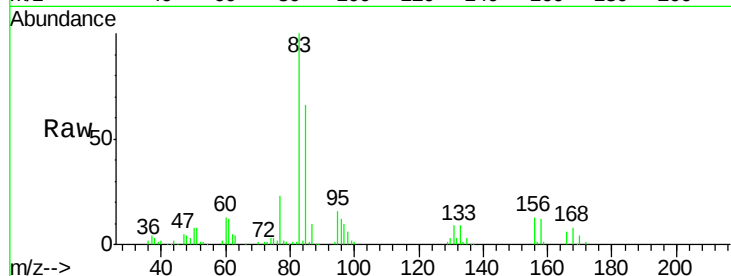
ClientSampleId :

VN0424WBSD01

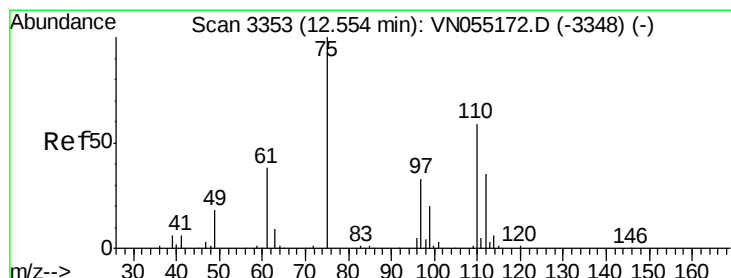
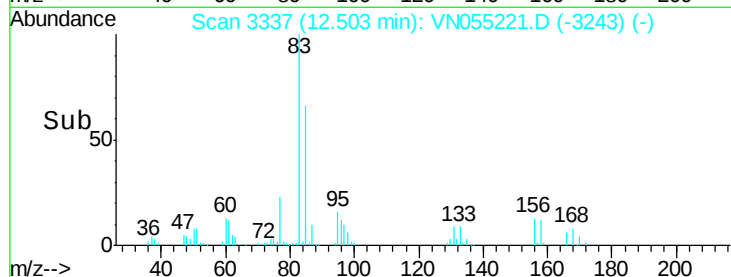
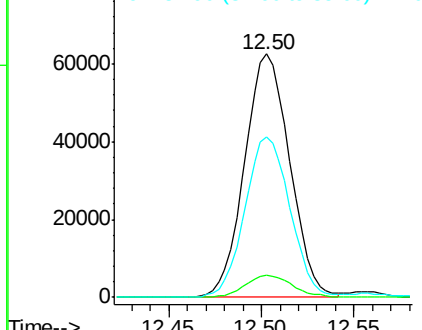
Tot Ion:	83	Resp:	106346
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	15.0
85	65.8	32.1	96.3

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Abundance Ion 82.90 (82.60 to 83.60): VN055221.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 20.718 ug/l m

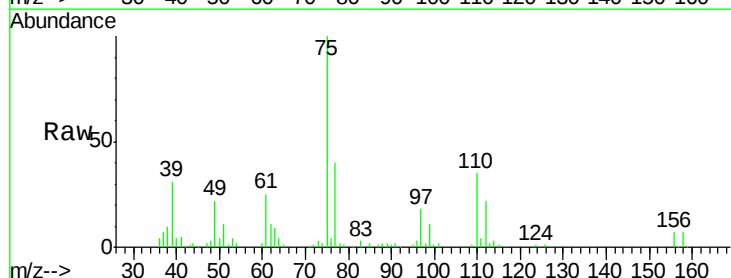
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

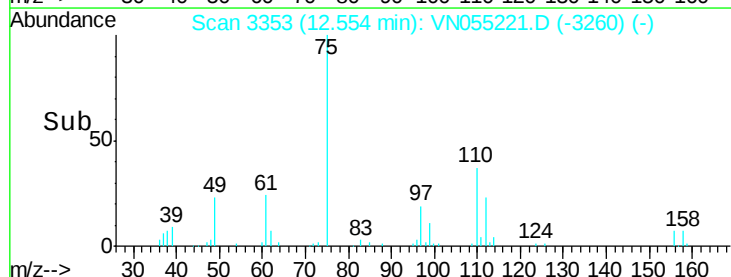
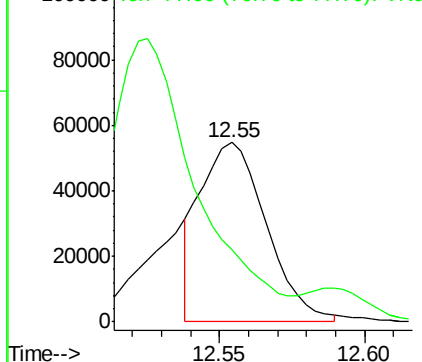
Lab File: VN055221.D

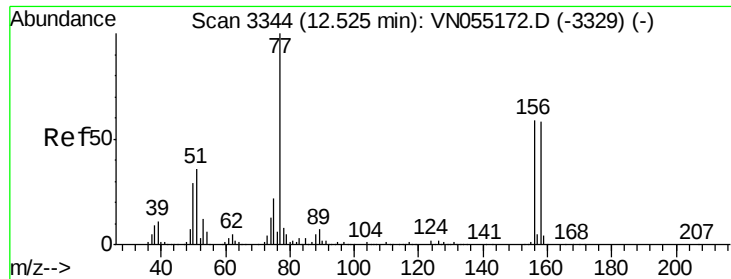
Acq: 24 Apr 2019 12:20

Tgt Ion:	75	Resp:	86391
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055221.D (-3260) (-)





#77

Bromobenzene

Concen: 20.238 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

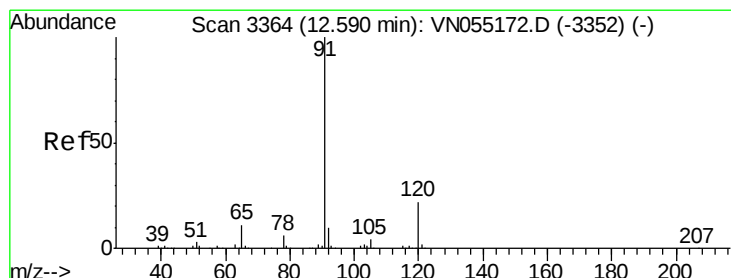
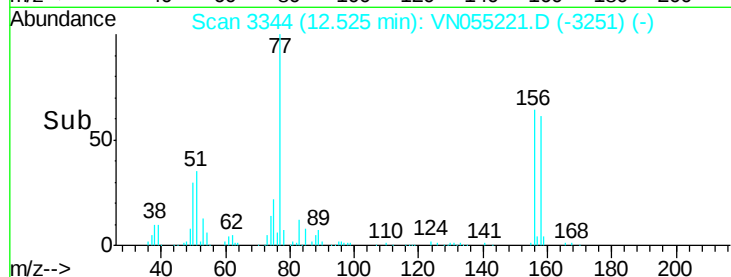
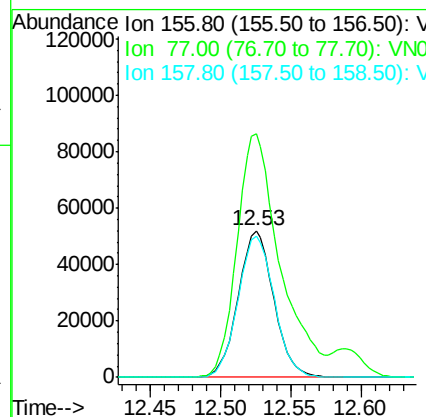
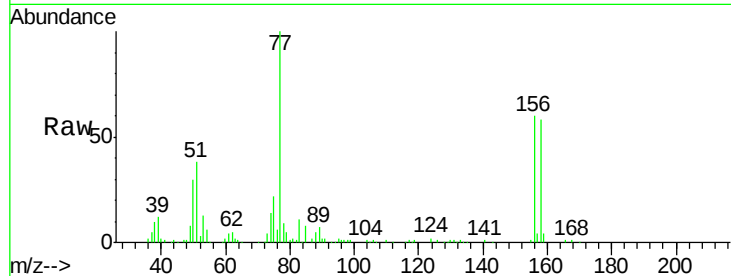
ClientSampleId :

VN0424WBSD01

Tot Ion:	156	Resp:	91832
Ion Ratio	Lower	Upper	
156	100		
77	200.4	98.0	293.9
158	98.1	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.331 ug/l

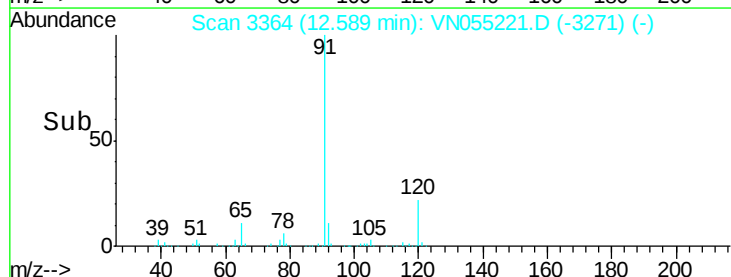
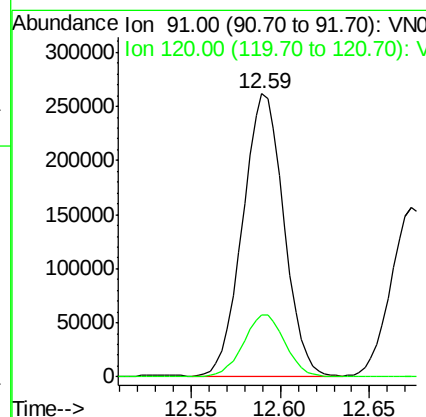
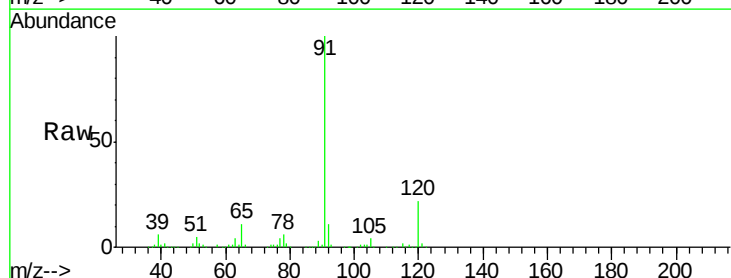
RT: 12.59 min Scan# 3364

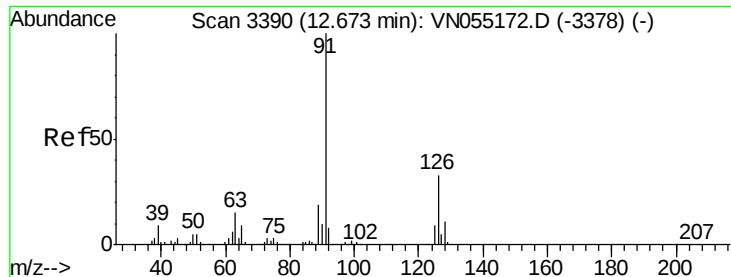
Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Tgt Ion:	91	Resp:	419087
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.3	33.9





#79

2-Chlorotoluene

Concen: 20.237 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampled :

VN0424WBSD01

Tot Ion: 91 Resp: 263399

Ion Ratio Lower Upper

91 100

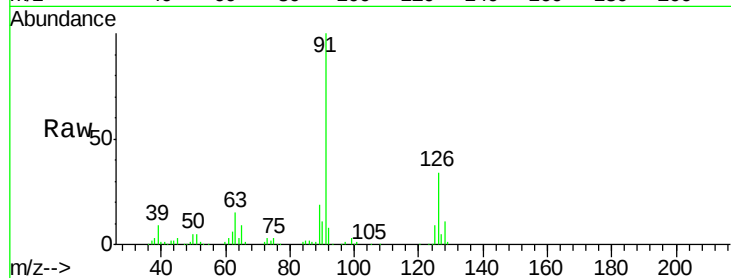
126 33.5 16.8 50.3

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Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055172.D (-3378) (-)

250000

200000

150000

100000

50000

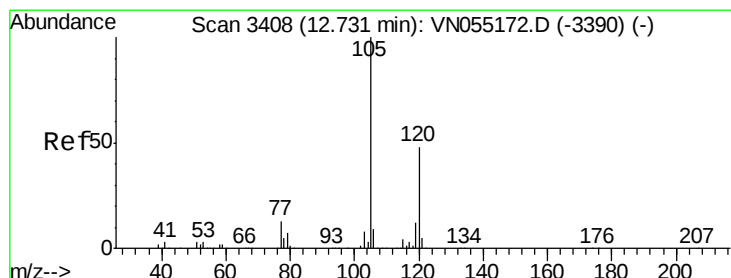
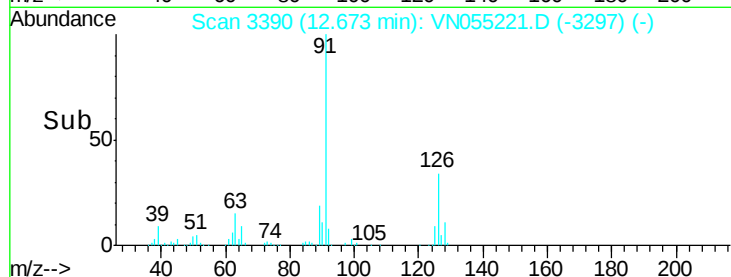
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.618 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055221.D

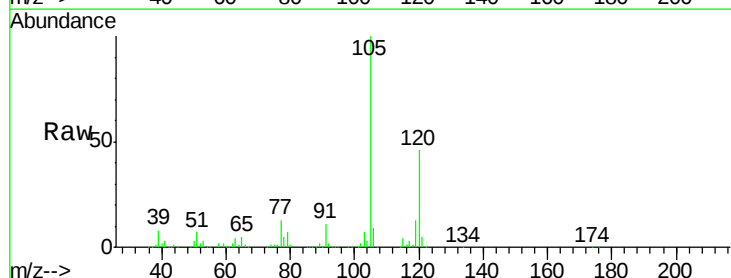
Acq: 24 Apr 2019 12:20

Tgt Ion:105 Resp: 317246

Ion Ratio Lower Upper

105 100

120 47.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055172.D (-3390) (-)

200000

150000

100000

50000

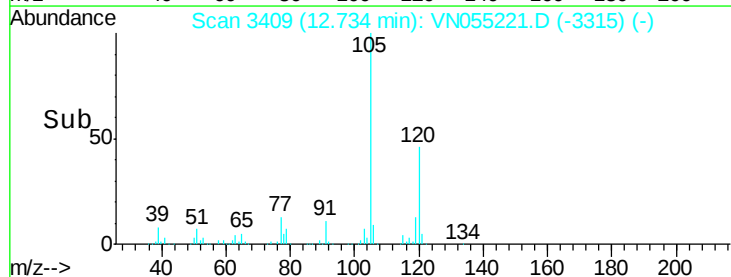
0

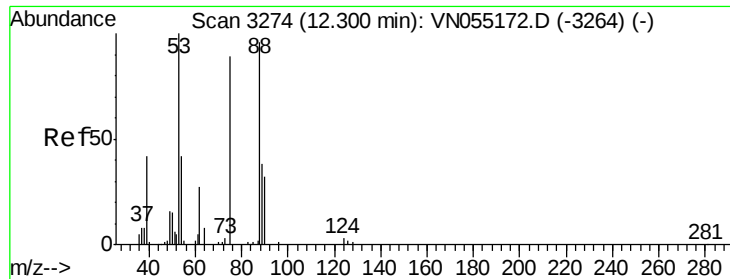
12.65

12.70

12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.521 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

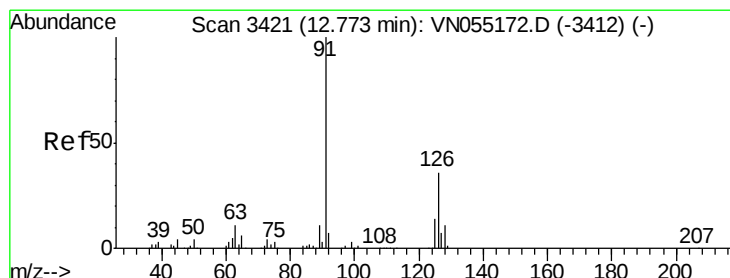
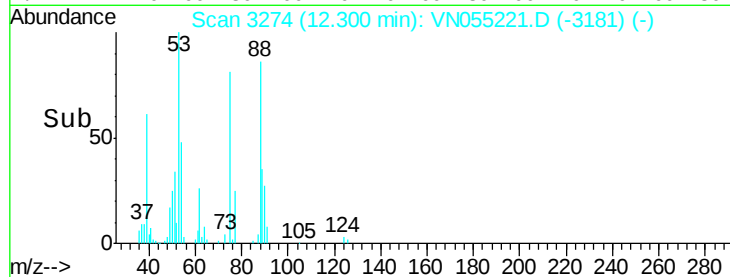
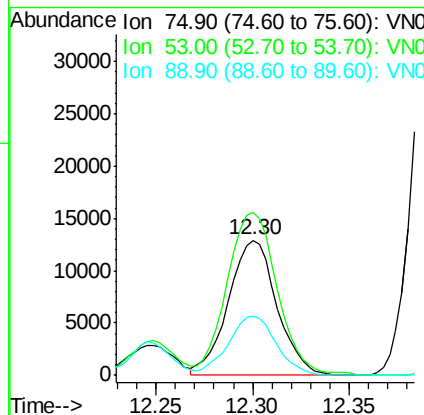
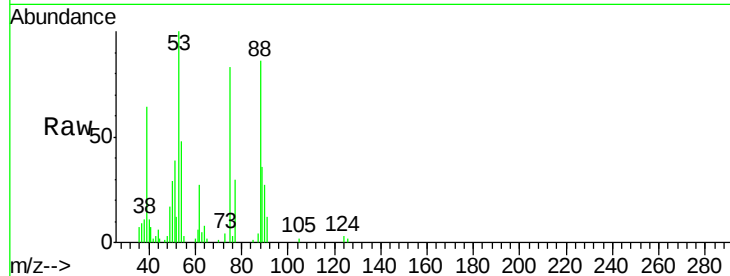
ClientSampleId :

VN0424WBSD01

Tot Ion:	75	Resp:	22573
Ion	Ratio	Lower	Upper
75	100		
53	125.1	90.1	135.1
89	43.2	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.502 ug/l

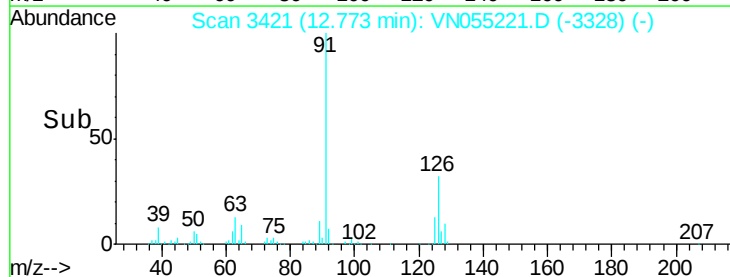
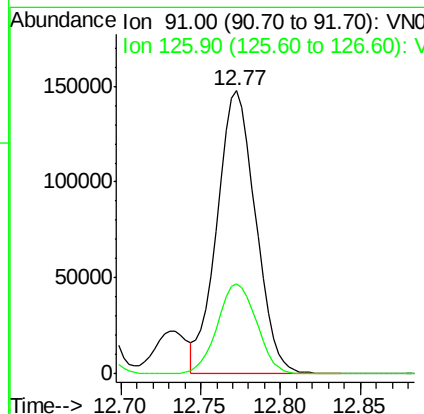
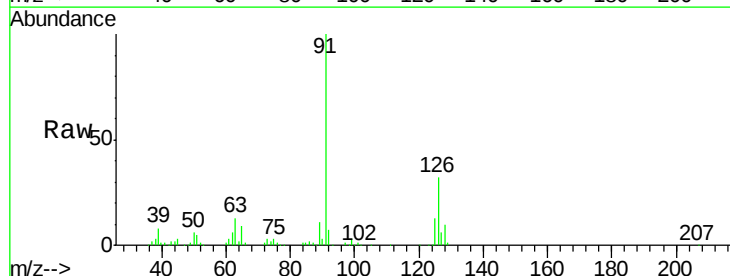
RT: 12.77 min Scan# 3421

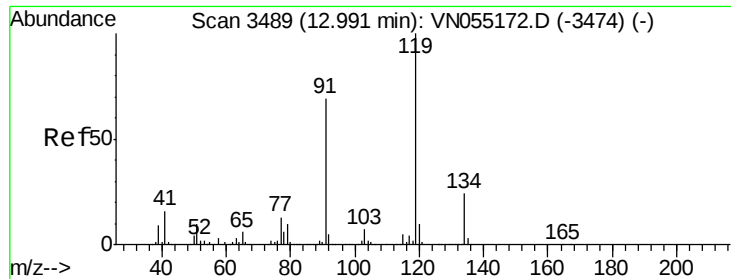
Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Tgt Ion:	91	Resp:	245519
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.5	49.5





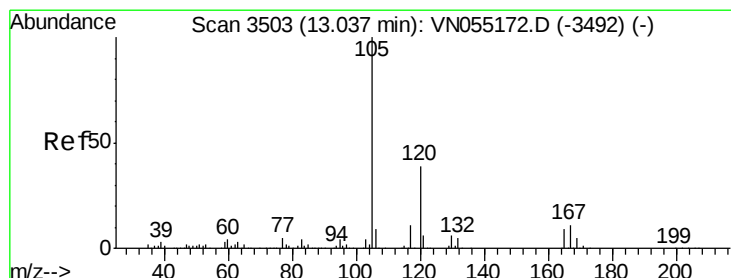
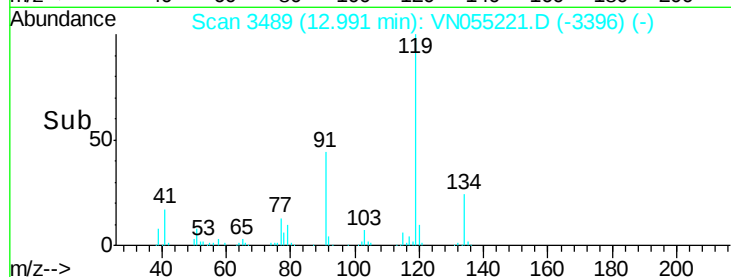
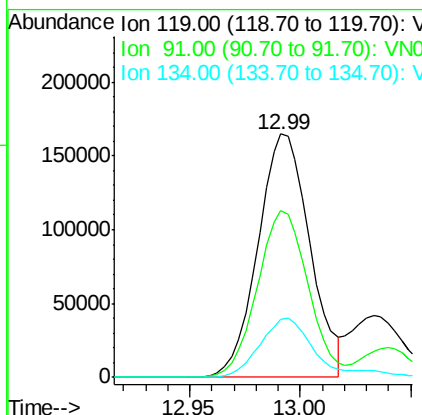
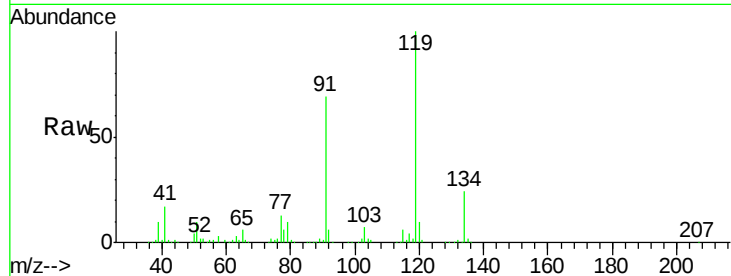
#83
 tert-Butylbenzene
 Concen: 22.029 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.8	101.3
134	26.4	13.2	39.5

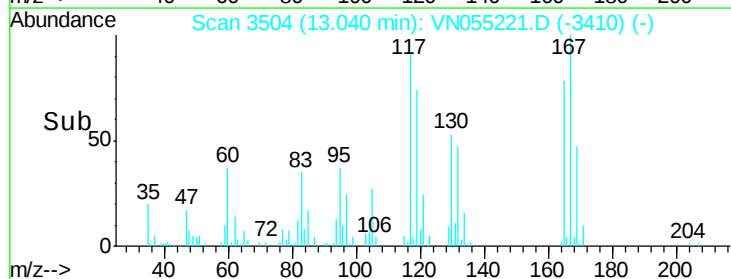
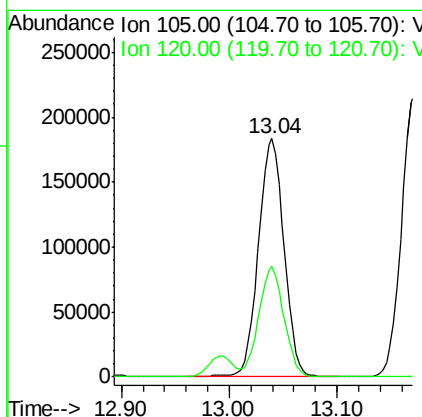
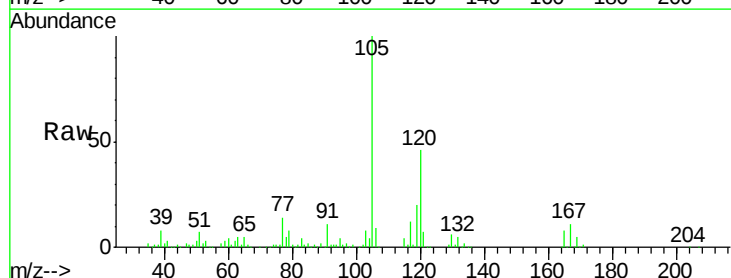
Manual Integrations
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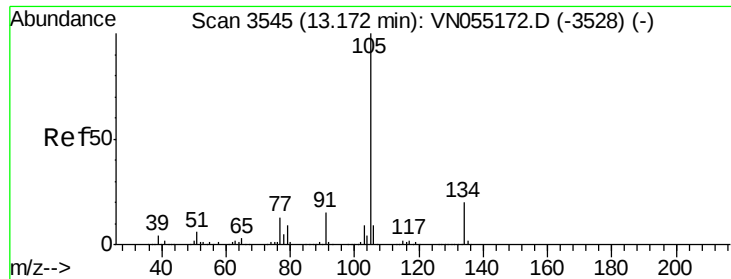
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.728 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.781 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

ClientSampleID :

VN0424WBSD01

Tot Ion:105 Resp: 344323

Ion Ratio Lower Upper

105 100

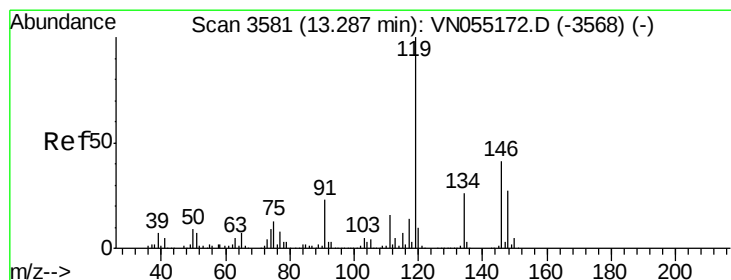
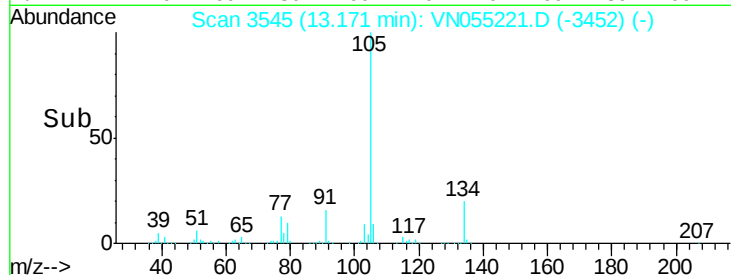
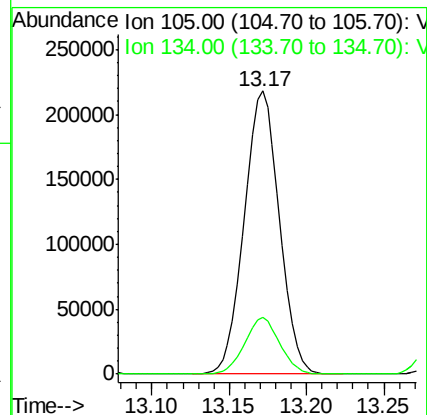
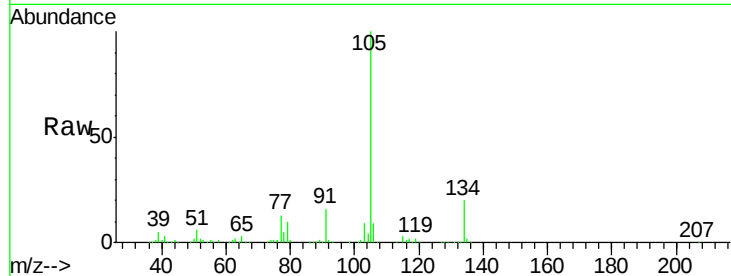
134 19.9 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.247 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

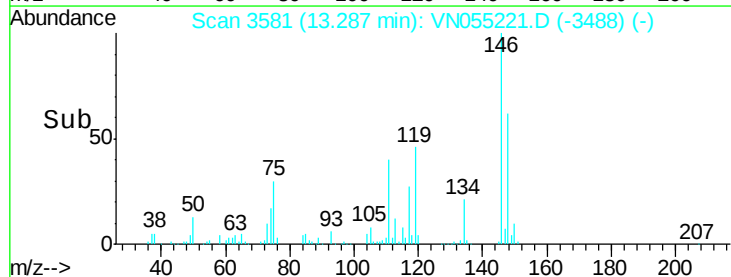
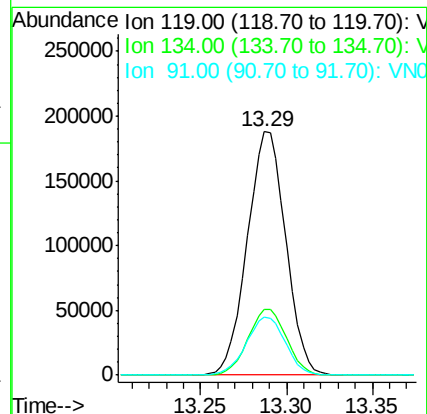
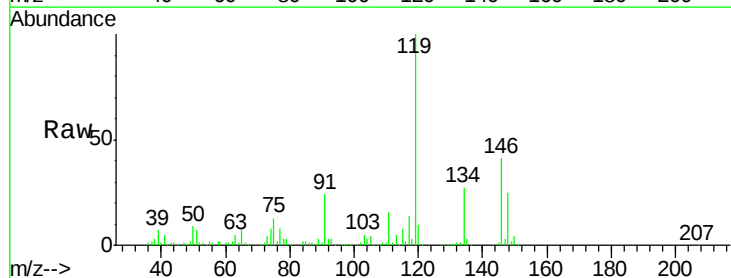
Tgt Ion:119 Resp: 290366

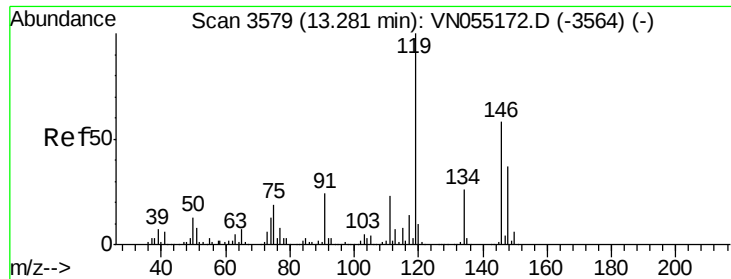
Ion Ratio Lower Upper

119 100

134 27.1 13.1 39.3

91 24.3 11.8 35.3





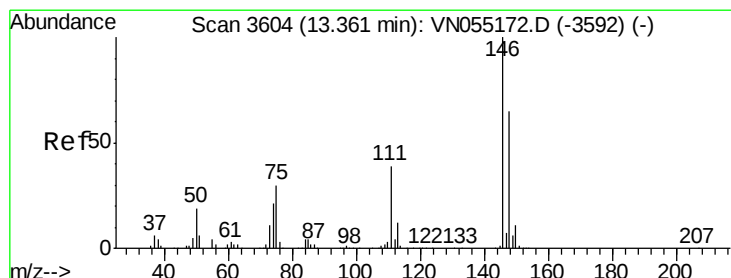
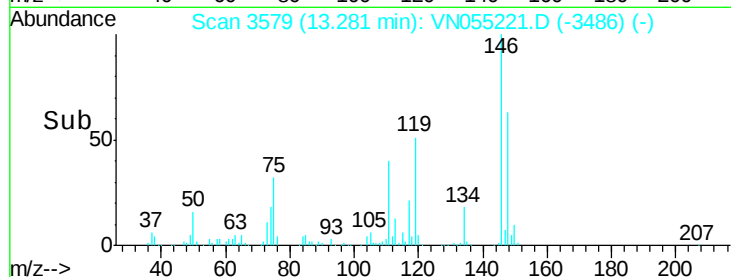
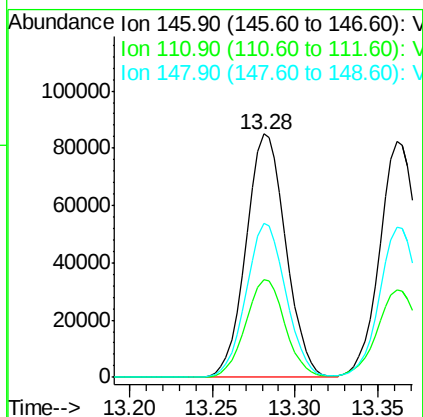
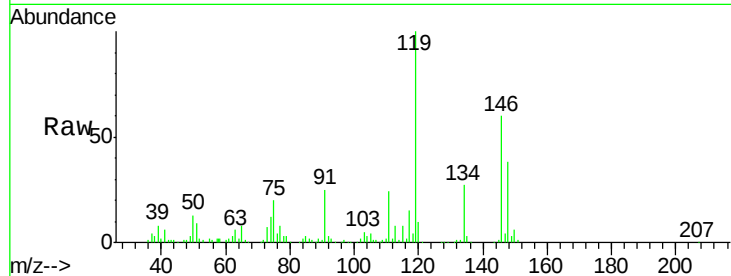
#87
 1,3-Dichlorobenzene
 Concen: 20.407 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	63.3	32.0	96.0

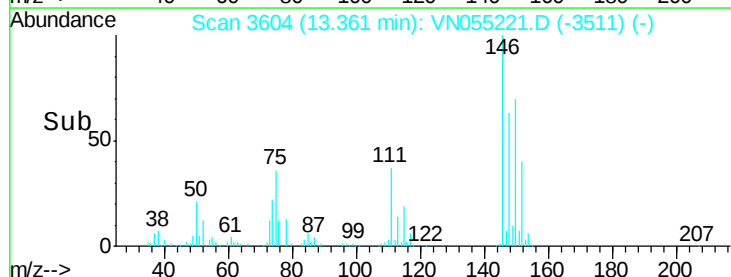
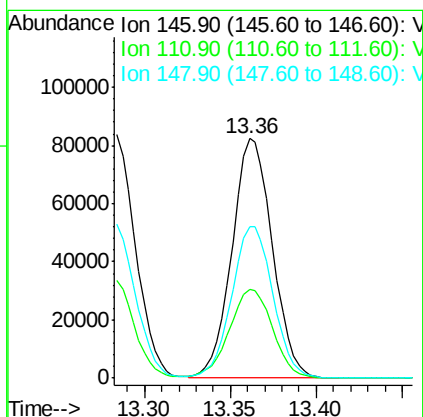
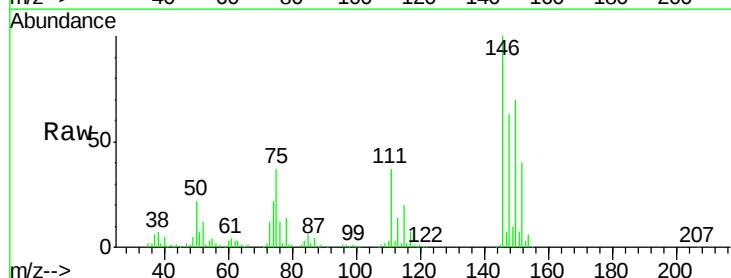
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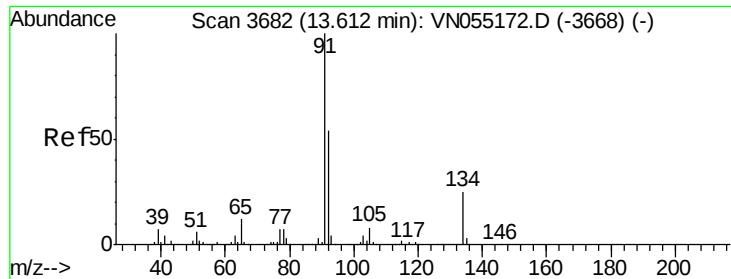
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#88
 1,4-Dichlorobenzene
 Concen: 19.818 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.2
148	64.7	32.9	98.6





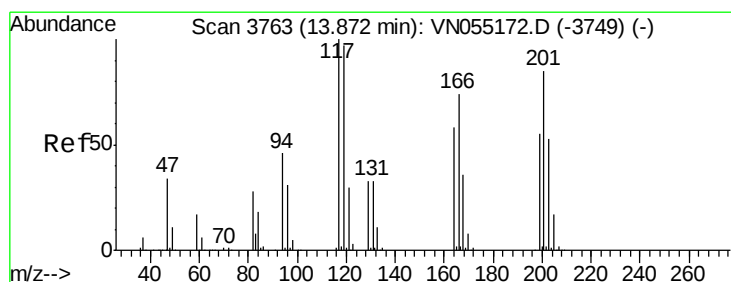
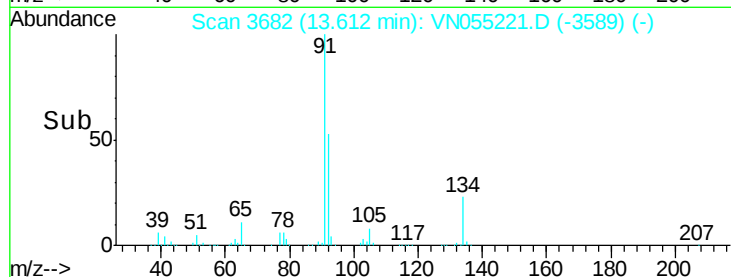
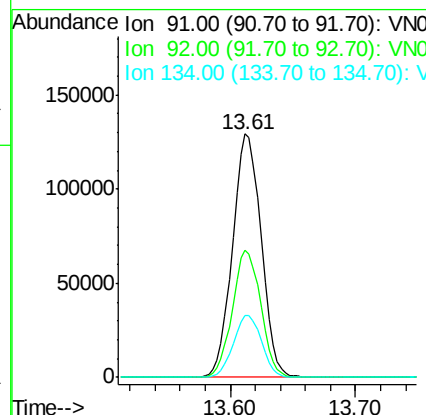
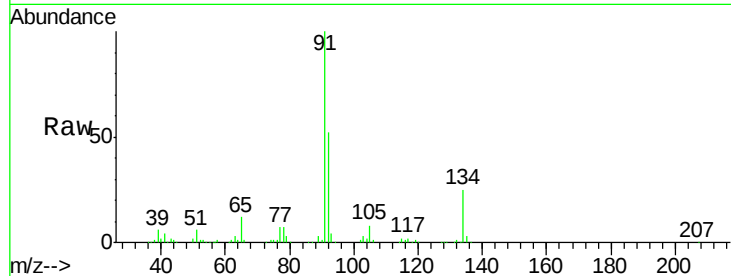
#89
n-Butylbenzene
Concen: 19.379 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :
VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.4	79.2
134	25.2	12.8	38.4

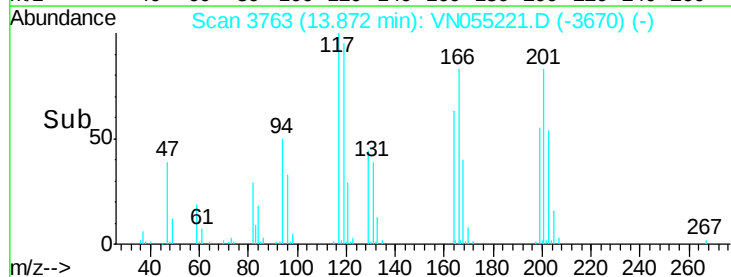
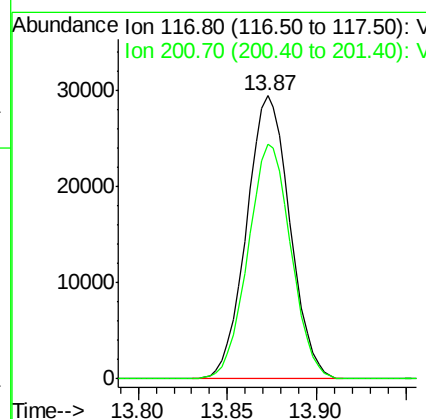
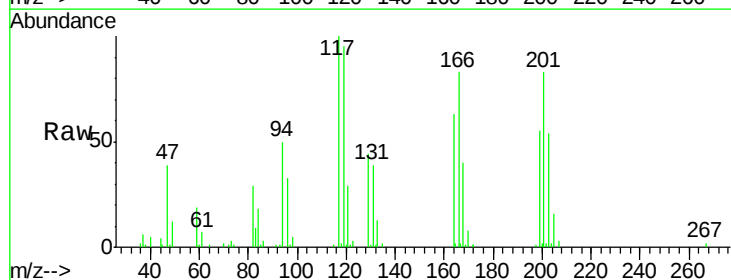
Manual Integrations
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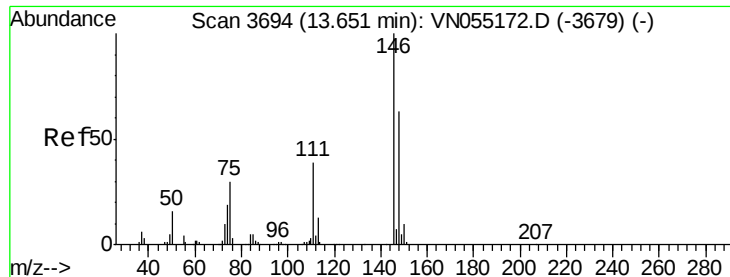
MMDadoda
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#90
Hexachloroethane
Concen: 19.619 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055221.D
Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	43.1	129.4





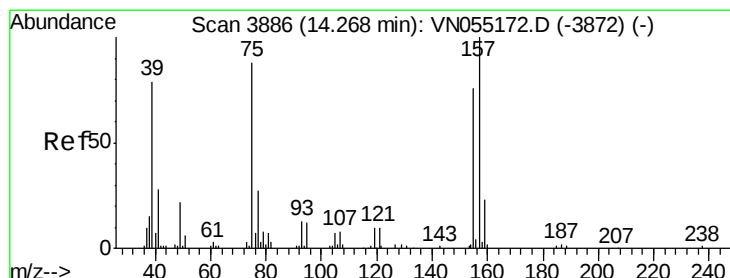
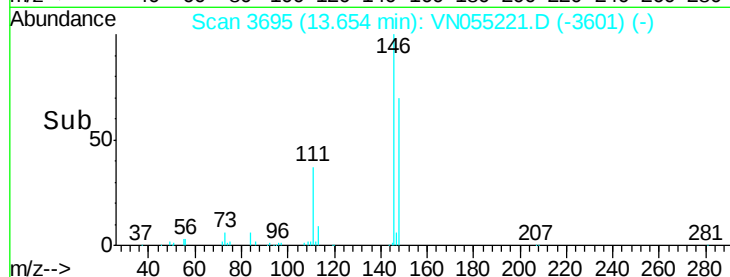
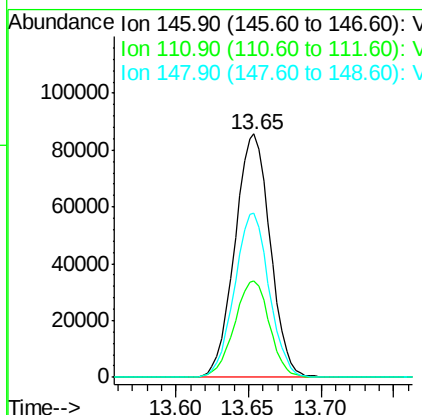
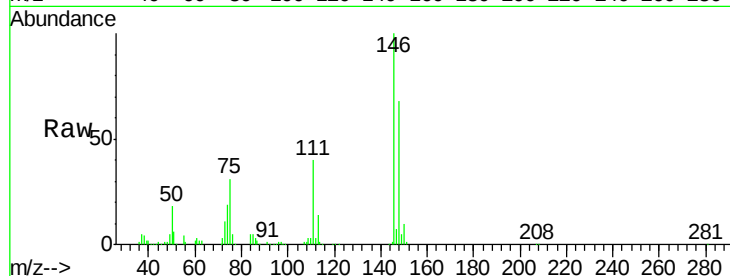
#91
 1,2-Dichlorobenzene
 Concen: 20.270 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	66.0	31.7	95.1

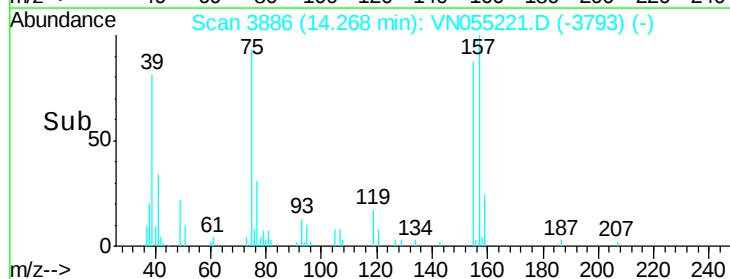
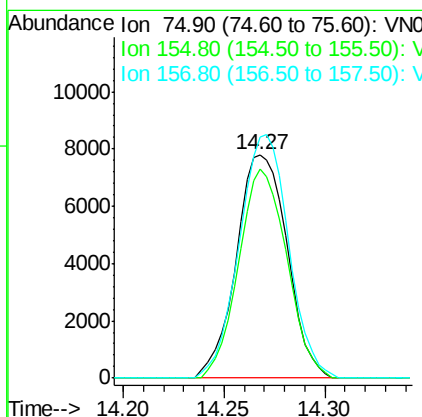
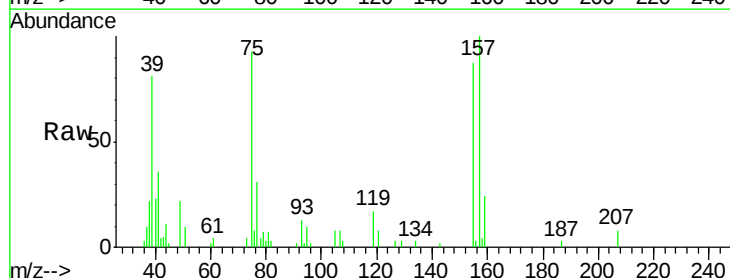
Manual Integrations
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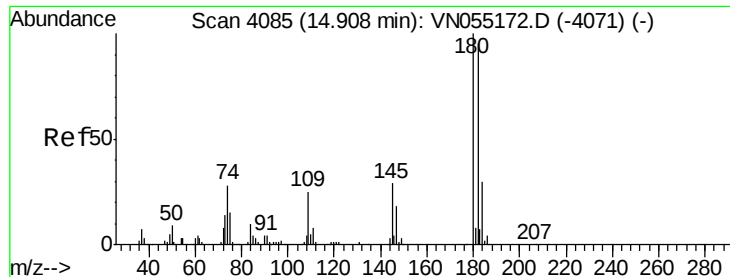
MMDadoda
 4/25/2019 12:40:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.077 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.0	129.0
157	106.1	55.7	167.1





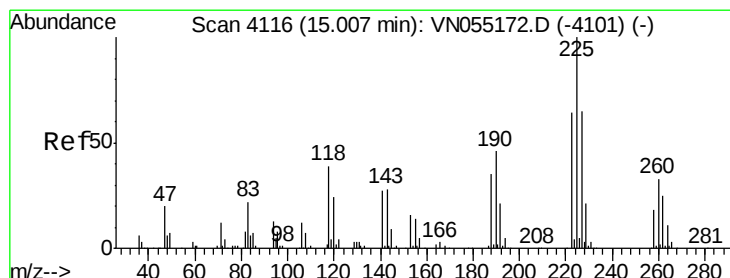
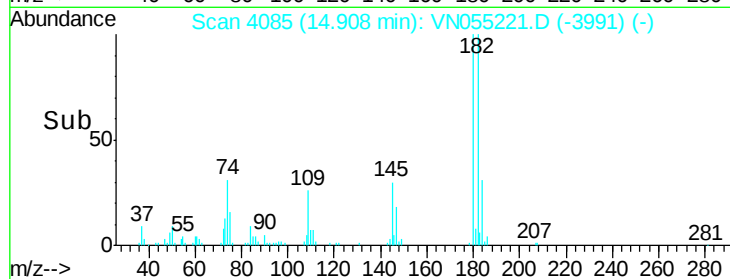
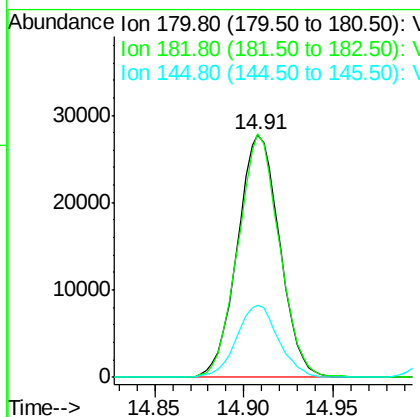
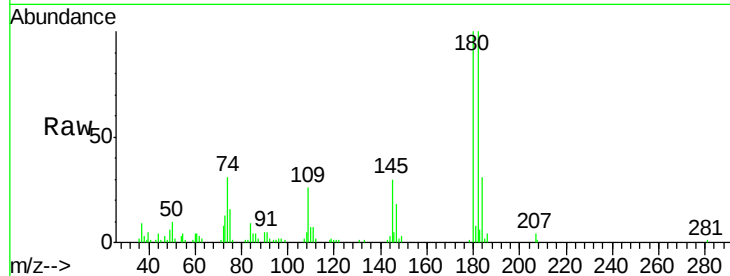
#93
 1,2,4-Trichlorobenzene
 Concen: 17.037 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Instrument :
 MSVOA_N
 ClientSampled :
 VN0424WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.8	143.4
145	29.6	14.5	43.5

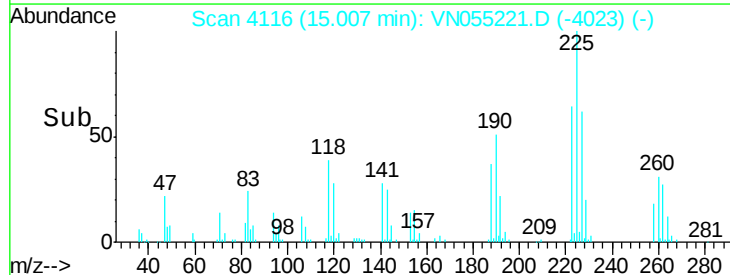
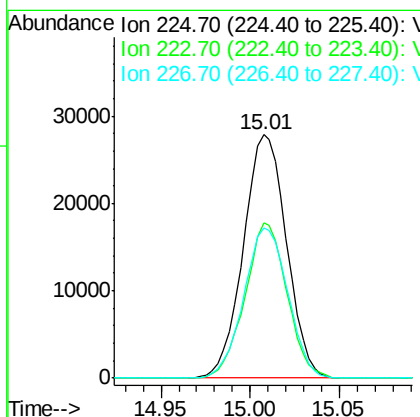
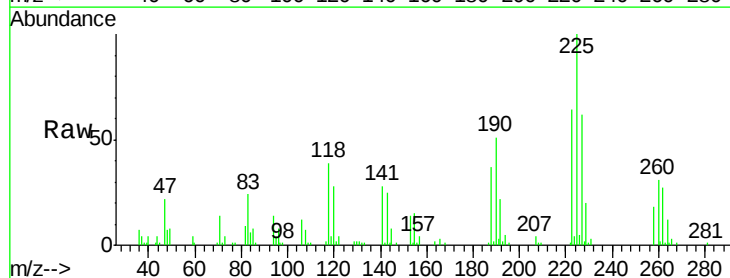
Manual Integrations
 APPROVED

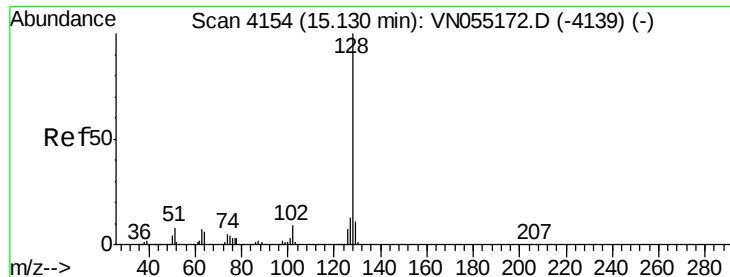
MMDadoda
 4/25/2019 12:40:07 PM



#94
 Hexachlorobutadiene
 Concen: 21.192 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055221.D
 Acq: 24 Apr 2019 12:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.2	96.6
227	62.9	32.6	98.0





#95

Naphthalene

Concen: 17.819 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Instrument :

MSVOA_N

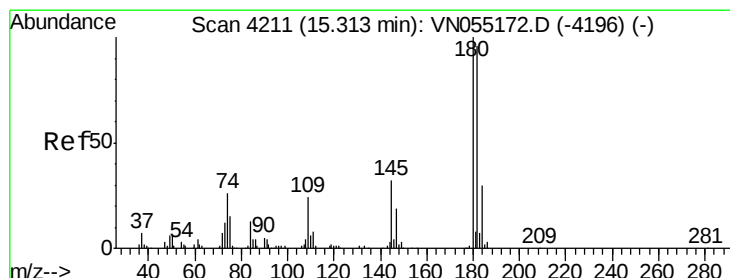
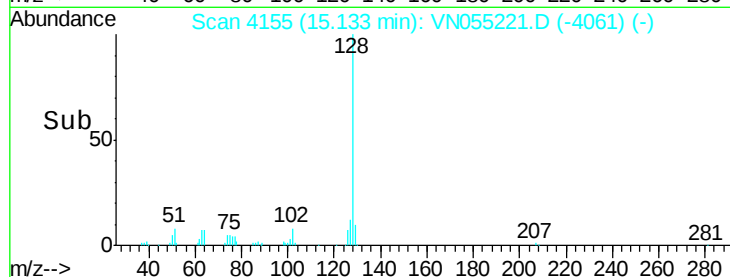
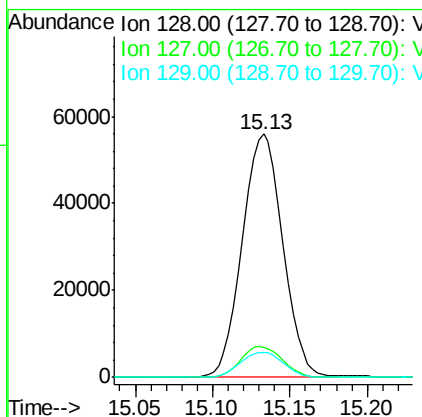
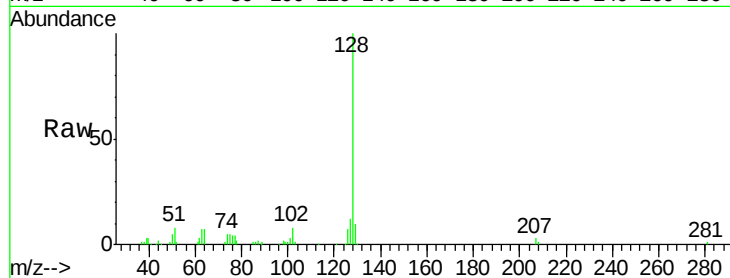
ClientSampleId :

VN0424WBSD01

Tot Ion:	128	Resp:	102267
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 18.492 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055221.D

Acq: 24 Apr 2019 12:20

Tgt Ion:	180	Resp:	51317
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.2	141.6
145	30.8	15.4	46.1

