

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055167.D
 Acq On : 20 Apr 2019 3:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/22/2019 10:07:48 AM

Quant Time: Apr 20 05:58:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	490664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	759549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	582969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	307539	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.59	113	250835	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	884848	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	259269	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	190108	34.093	ug/l	99
3) Chloromethane	2.06	50	245645	33.775	ug/l	99
4) Vinyl Chloride	2.19	62	204189	33.402	ug/l	97
5) Bromomethane	2.55	94	105928	30.630	ug/l	98
6) Chloroethane	2.70	64	112029	33.983	ug/l	96
7) Trichlorofluoromethane	3.02	101	302199	39.528	ug/l	98
8) Diethyl Ether	3.41	74	122241	50.090	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	180507	45.116	ug/l	98
10) Methyl Iodide	3.95	142	274421	44.199	ug/l	94
11) Tert butyl alcohol	4.79	59	96285	269.327	ug/l	100
12) 1,1-Dichloroethene	3.74	96	181660	46.646	ug/l	90
13) Acrolein	3.61	56	83713	189.442	ug/l	95
14) Allyl chloride	4.33	41	365590	38.351	ug/l	99
15) Acrylonitrile	4.99	53	475044	222.094	ug/l	99
16) Acetone	3.82	43	359888	203.301	ug/l	93
17) Carbon Disulfide	4.06	76	413523	32.894	ug/l	99
18) Methyl Acetate	4.33	43	241053	47.222	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	598774	42.981	ug/l	98
20) Methylene Chloride	4.55	84	226121	36.337	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	193878	36.809	ug/l	98
22) Diisopropyl ether	5.95	45	814616	41.569	ug/l	96
23) Vinyl Acetate	5.90	43	2891718	223.247	ug/l	99
24) 1,1-Dichloroethane	5.85	63	412154	39.495	ug/l	99
25) 2-Butanone	6.84	43	583728	220.938	ug/l	99
26) 2,2-Dichloropropane	6.83	77	196268	29.799	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	234774	39.398	ug/l	96
28) Bromochloromethane	7.19	49	202424	40.240	ug/l	99
29) Tetrahydrofuran	7.22	42	395304	228.161	ug/l	100
30) Chloroform	7.37	83	392753	38.746	ug/l	99
31) Cyclohexane	7.65	56	346192	37.203	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	323420	40.272	ug/l	100
36) 1,1-Dichloropropene	7.80	75	278908	38.953	ug/l	99
37) Ethyl Acetate	6.93	43	254032	43.579	ug/l	98
38) Carbon Tetrachloride	7.77	117	267010	39.196	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	278559	35.902	ug/l	98
40) Benzene	8.04	78	875965	40.592	ug/l	99
41) Methacrylonitrile	7.18	41	148572	45.915	ug/l	95
42) 1,2-Dichloroethane	8.13	62	310468	41.438	ug/l	100
43) Isopropyl Acetate	8.17	43	457548	50.940	ug/l	99
44) Trichloroethene	8.83	130	217909	40.315	ug/l	99
45) 1,2-Dichloropropane	9.12	63	252769	42.000	ug/l	98
46) Dibromomethane	9.21	93	145775	42.555	ug/l	99
47) Bromodichloromethane	9.40	83	299838	42.455	ug/l	100
48) Methyl methacrylate	9.20	41	211371	47.478	ug/l	98
49) 1,4-Dioxane	9.20	88	48820	1170.466	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1259115	242.645	ug/l	100
52) Toluene	10.16	92	510009	41.264	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	282558	45.780	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	331648	43.294	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	203452	42.725	ug/l	99
56) Ethyl methacrylate	10.43	69	282362	49.409	ug/l	99
57) 1,3-Dichloropropane	10.71	76	351852	43.398	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	467059	188.817	ug/l	98
59) 2-Hexanone	10.75	43	788522	241.933	ug/l	100
60) Dibromochloromethane	10.90	129	212847	45.774	ug/l	98
61) 1,2-Dibromoethane	11.01	107	195741	44.660	ug/l	99
64) Tetrachloroethene	10.63	164	210726	44.452	ug/l	98
65) Chlorobenzene	11.43	112	520365	44.344	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208858	48.392	ug/l	99
67) Ethyl Benzene	11.51	91	951671	45.413	ug/l	100
68) m/p-Xylenes	11.62	106	687342	90.577	ug/l	100
69) o-Xylene	11.95	106	341167	46.418	ug/l	99
70) Styrene	11.96	104	573255	48.184	ug/l	99
71) Bromoform	12.13	173	134231	54.261	ug/l #	99
73) Isopropylbenzene	12.25	105	900808	44.028	ug/l	99
74) N-amyl acetate	12.07	43	332868	57.795	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	259361	47.374	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	210653m	50.806	ug/l	
77) Bromobenzene	12.53	156	222644	43.649	ug/l	98
78) n-propylbenzene	12.59	91	993678	44.952	ug/l	100
79) 2-Chlorotoluene	12.67	91	617647	44.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	734531	44.487	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54206	52.280	ug/l	94
82) 4-Chlorotoluene	12.77	91	593330	46.124	ug/l	100
83) tert-Butylbenzene	12.99	119	629643	45.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	721639	46.119	ug/l	99
85) sec-Butylbenzene	13.17	105	801825	45.128	ug/l	99
86) p-Isopropyltoluene	13.29	119	695708	45.639	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	357731	46.141	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	350641	47.427	ug/l	99
89) n-Butylbenzene	13.61	91	532703	47.074	ug/l	99
90) Hexachloroethane	13.87	117	120317	48.508	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	365097	46.803	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37152	55.108	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	147363	42.120	ug/l	98
94) Hexachlorobutadiene	15.01	225	109603	45.490	ug/l	99
95) Naphthalene	15.13	128	343592	42.056	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	155893	51.803	ug/l	99

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

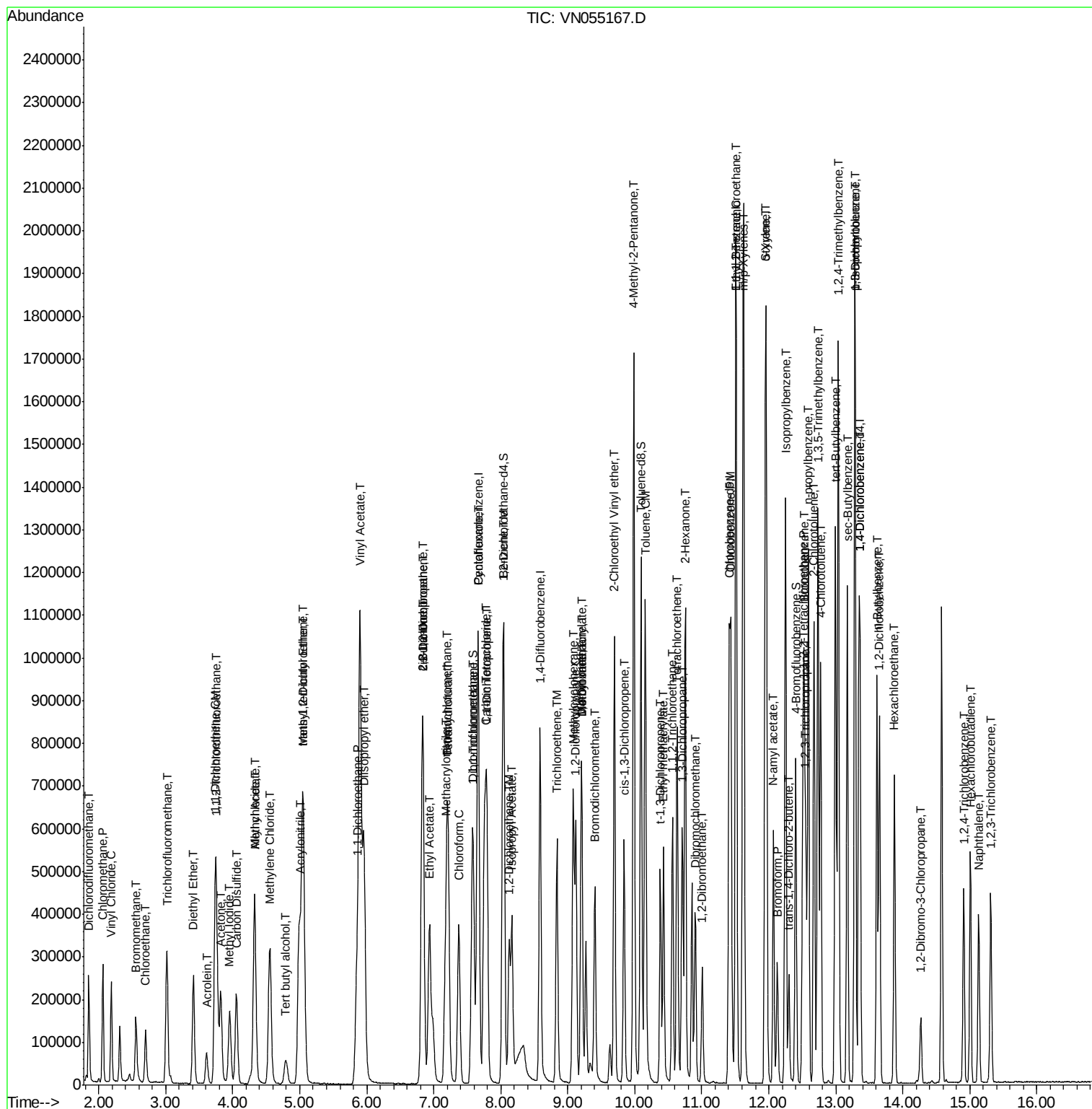
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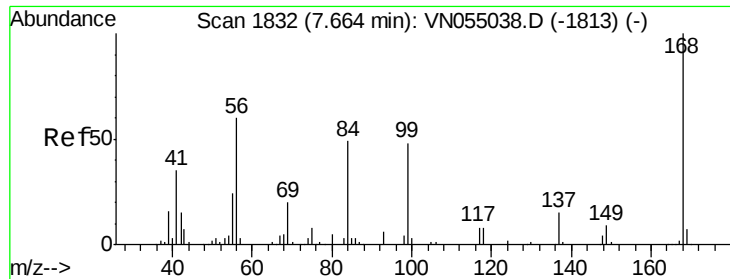
Instrument :
MSVOA_N
Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 490664

Ion Ratio Lower Upper

168 100

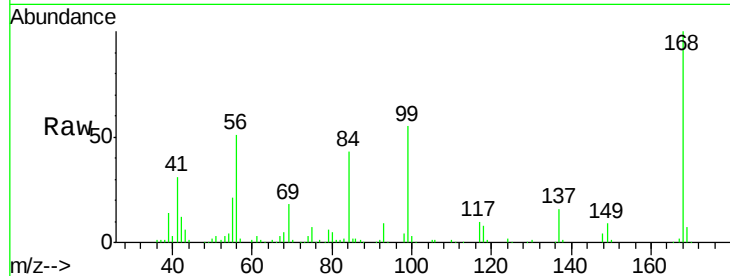
99 54.0 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

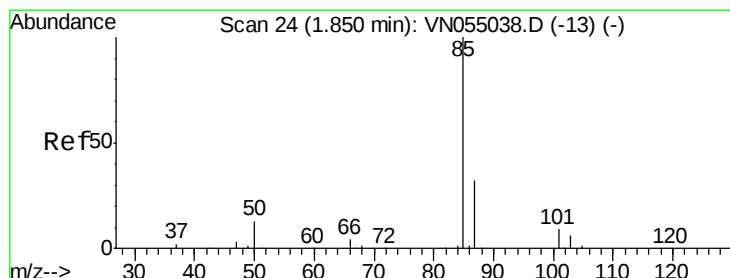
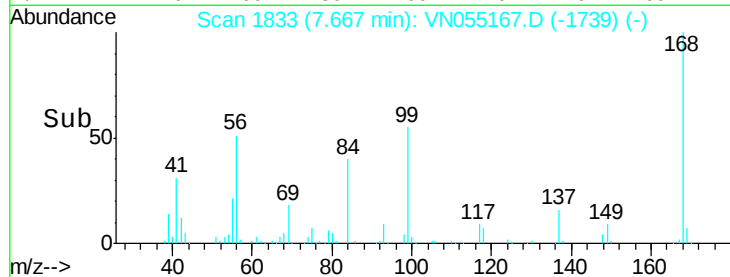
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 34.093 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055167.D

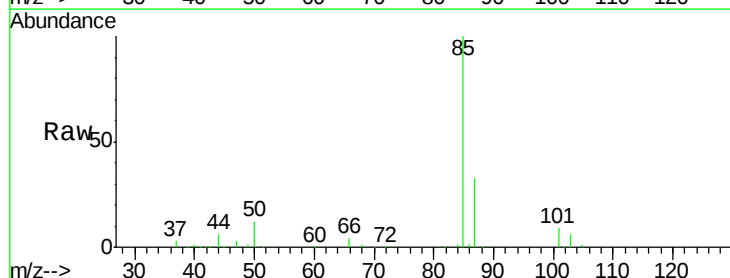
Acq: 20 Apr 2019 3:36

Tgt Ion: 85 Resp: 190108

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

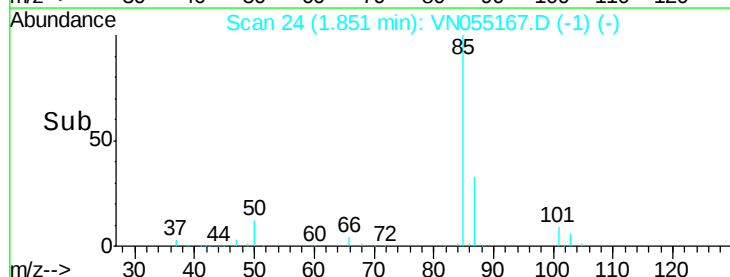
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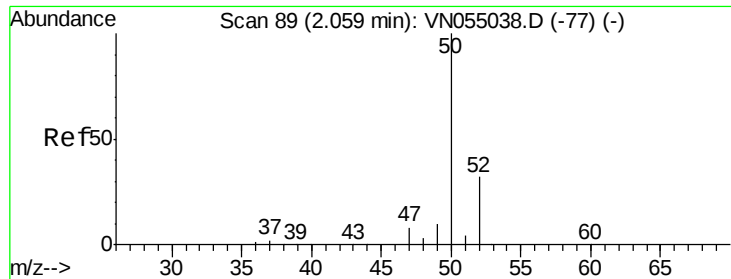
100000

50000

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Time-->





#3

Chloromethane

Concen: 33.775 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 245645

Ion Ratio Lower Upper

50 100

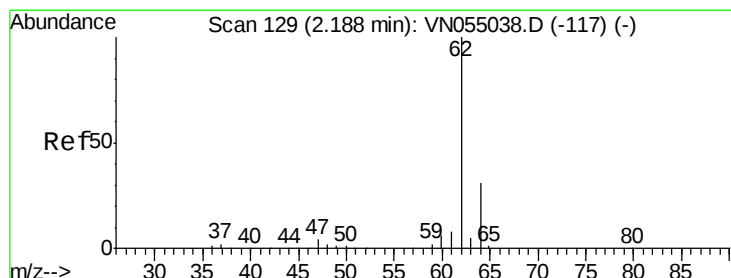
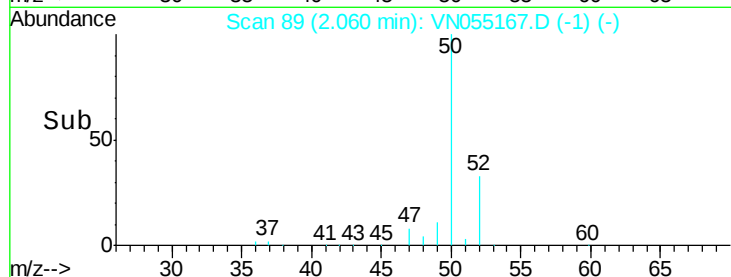
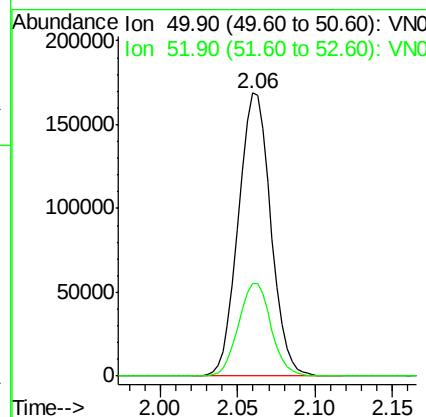
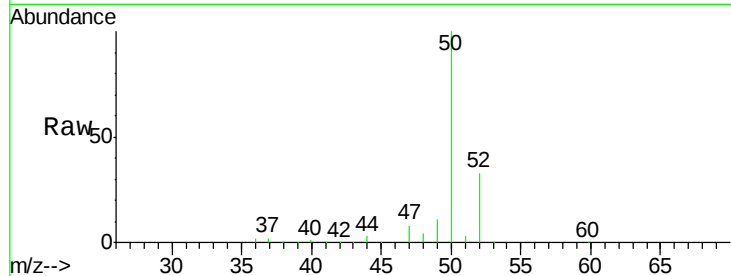
52 32.8 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 33.402 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055167.D

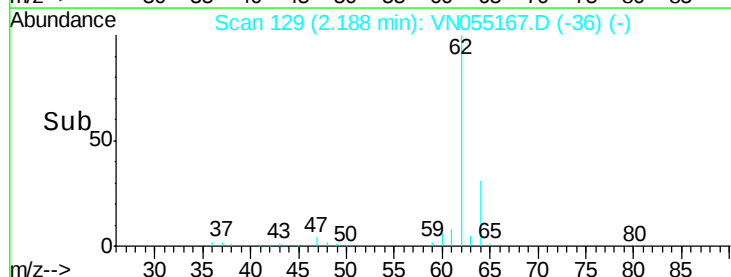
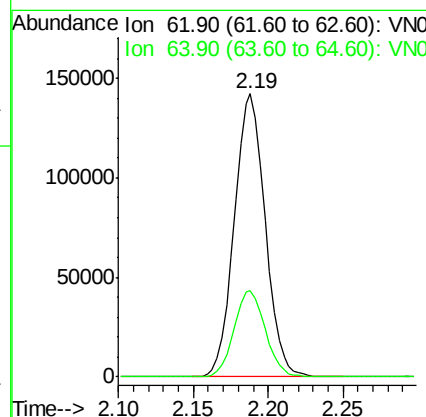
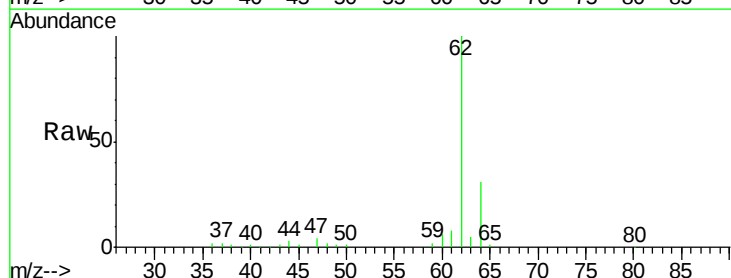
Acq: 20 Apr 2019 3:36

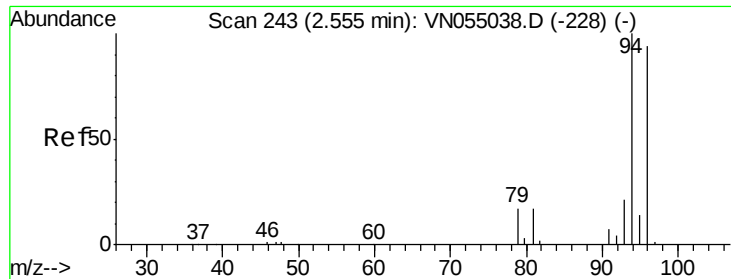
Tgt Ion: 62 Resp: 204189

Ion Ratio Lower Upper

62 100

64 30.5 25.8 38.6





#5

Bromomethane

Concen: 30.630 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tot Ion: 94 Resp: 105928

Ion Ratio Lower Upper

94 100

96 93.2 76.2 114.4

Instrument :

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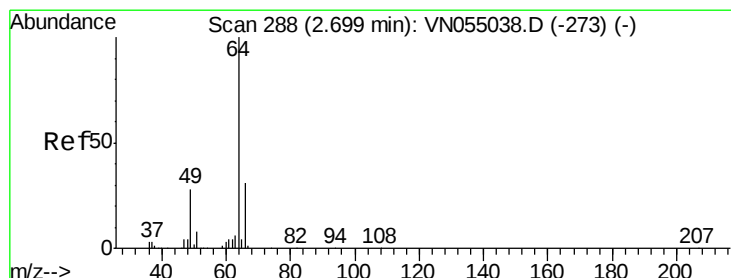
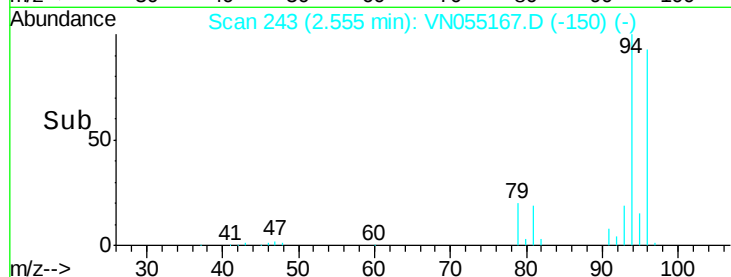
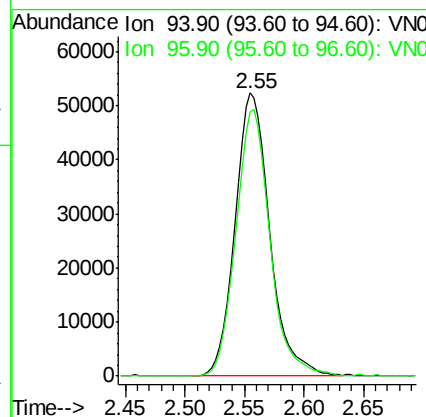
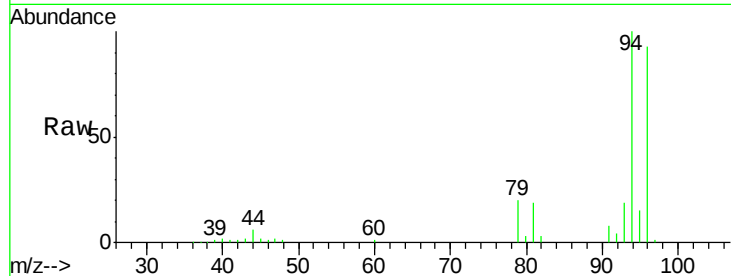
VSTDCCC050EC

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#6

Chloroethane

Concen: 33.983 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055167.D

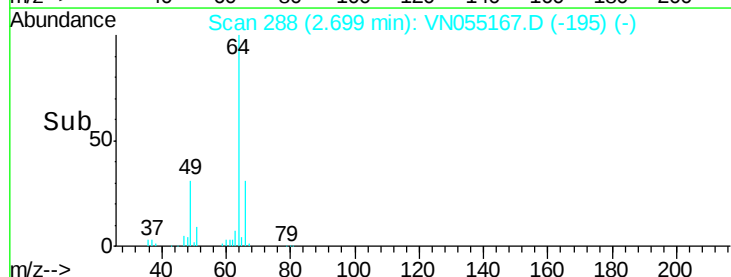
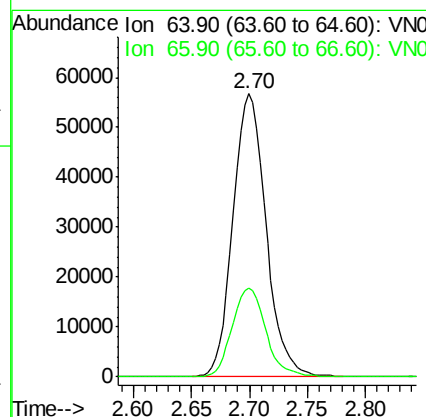
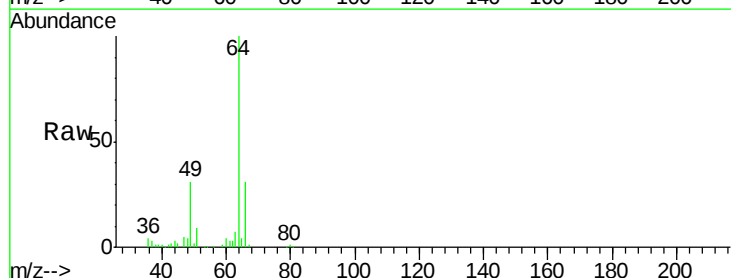
Acq: 20 Apr 2019 3:36

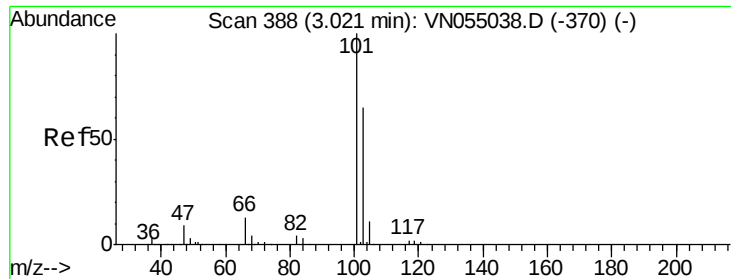
Tgt Ion: 64 Resp: 112029

Ion Ratio Lower Upper

64 100

66 31.2 26.6 40.0





#7

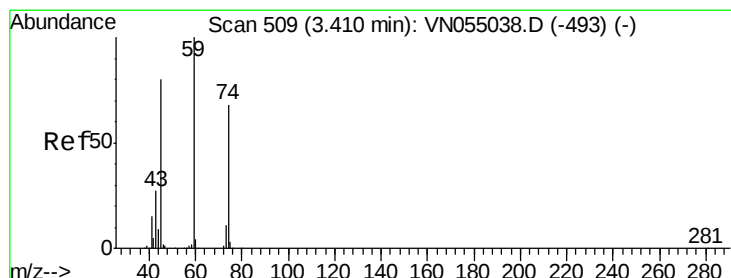
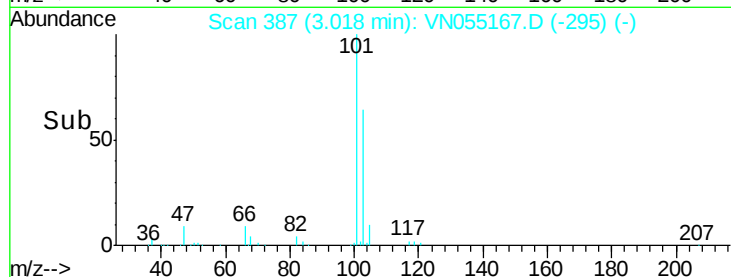
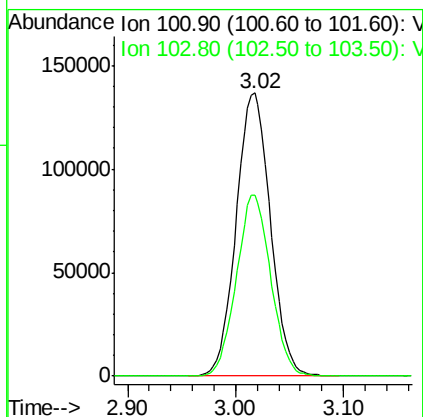
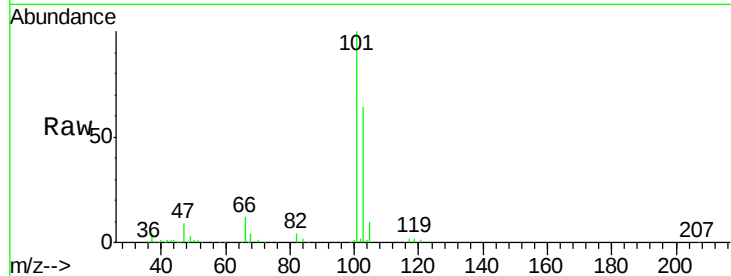
Trichlorofluoromethane
Concen: 39.528 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	302199		
103	64.1	52.5	78.7	

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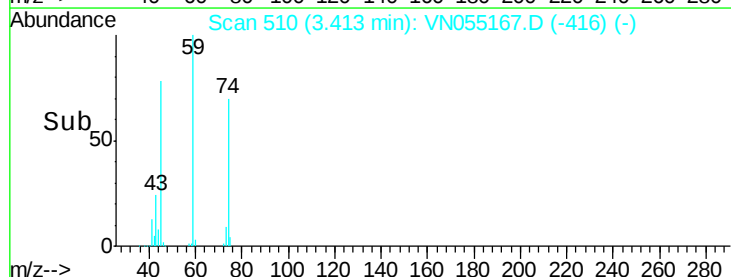
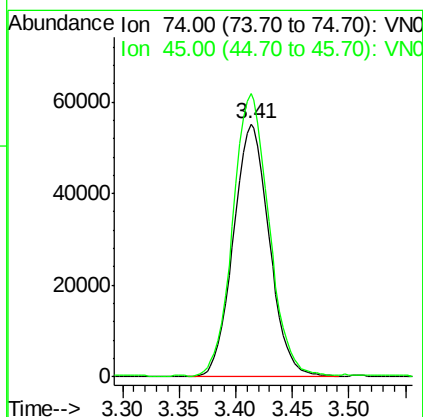
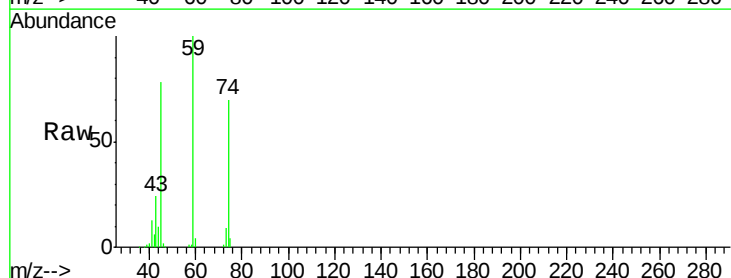
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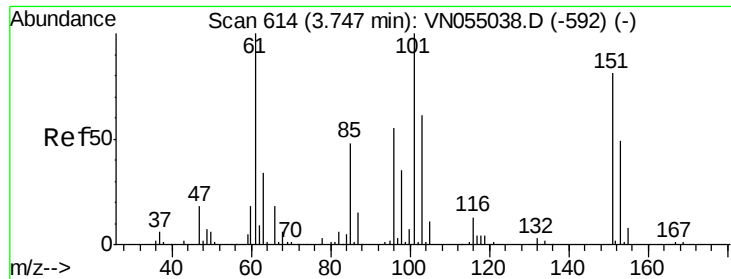


#8

Diethyl Ether
Concen: 50.090 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055167.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	122241		
45	112.0	55.7	167.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.116 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

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MSVOA_N

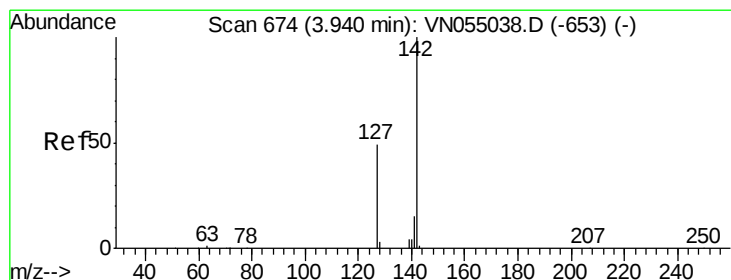
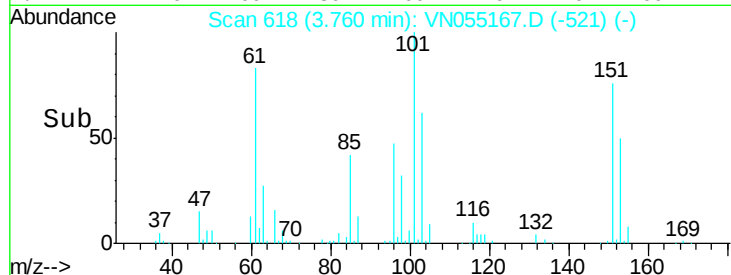
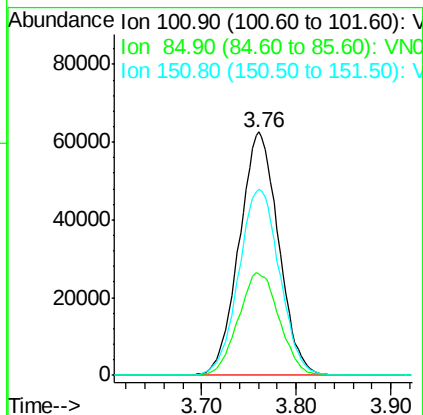
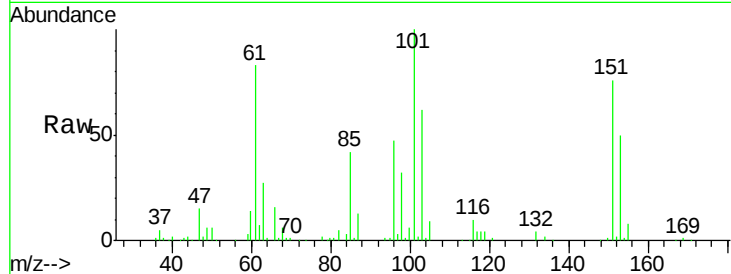
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	180507
Ion Ratio	Lower	Upper	
101	100		
85	43.8	36.9	55.3
151	79.5	64.4	96.6

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#10

Methyl Iodide

Concen: 44.199 ug/l

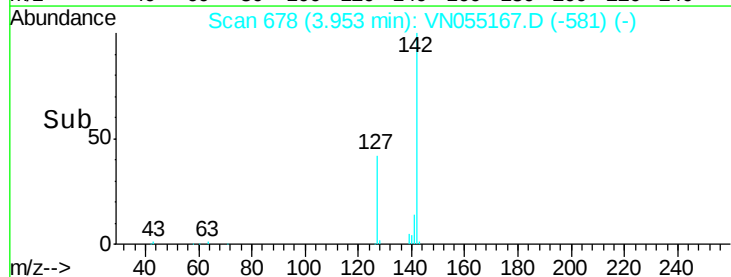
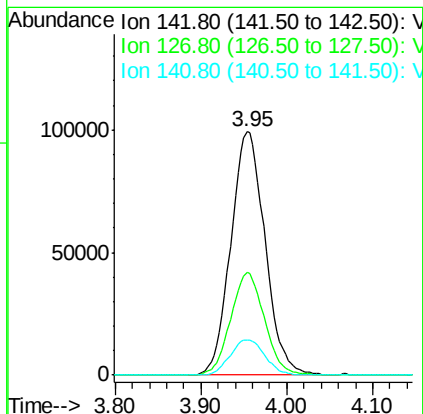
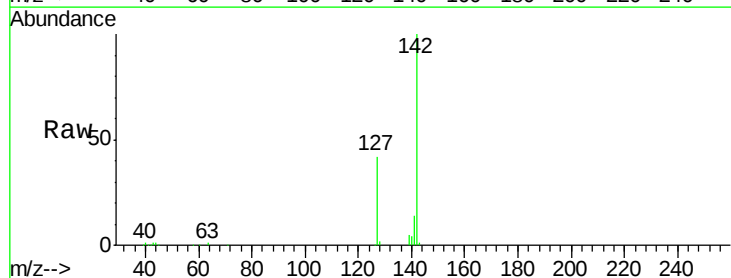
RT: 3.95 min Scan# 678

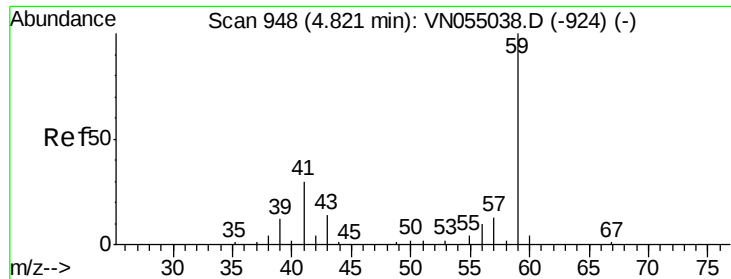
Delta R.T. 0.01 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion:	142	Resp:	274421
Ion Ratio	Lower	Upper	
142	100		
127	41.8	37.9	56.9
141	14.7	11.8	17.8





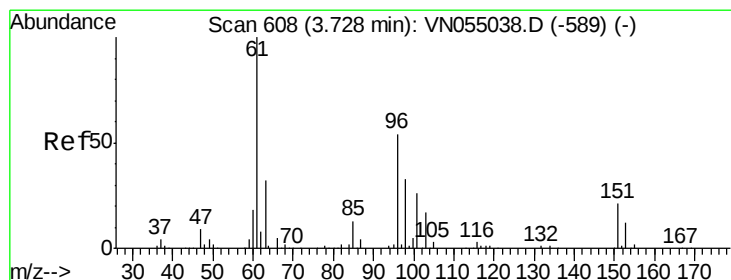
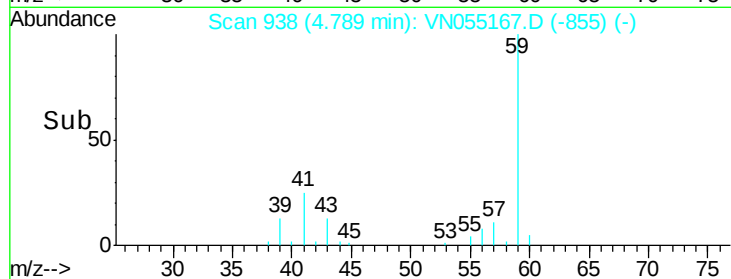
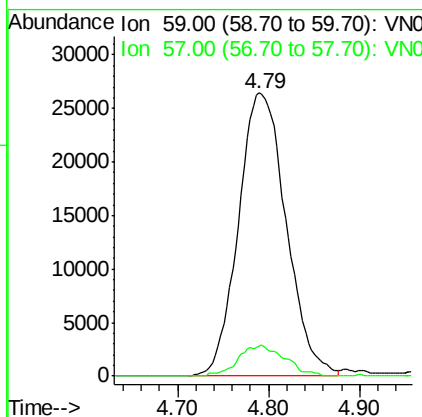
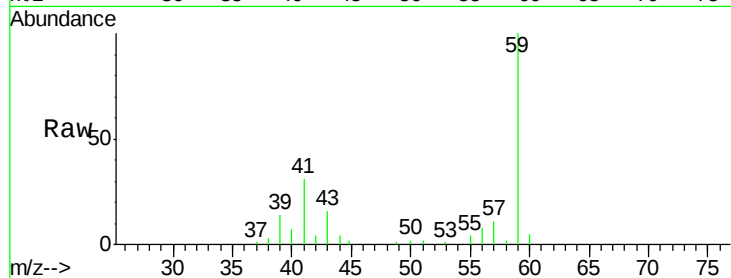
#11
Tert butyl alcohol
Concen: 269.327 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.03 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	96285		
57	10.3		8.3	12.5

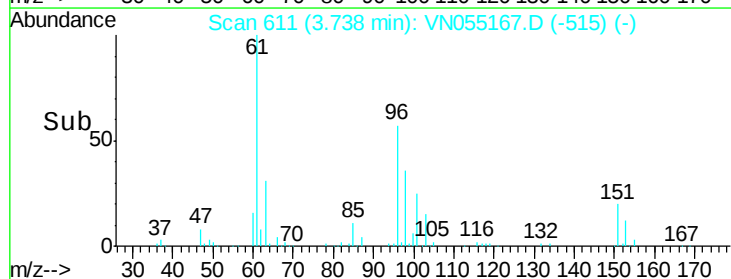
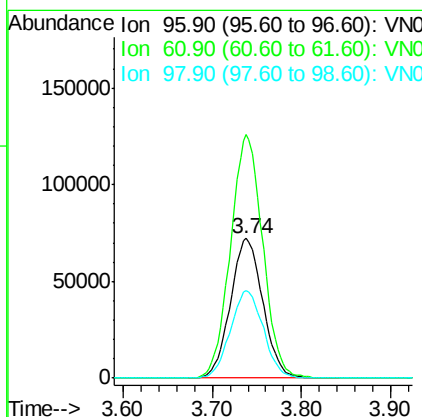
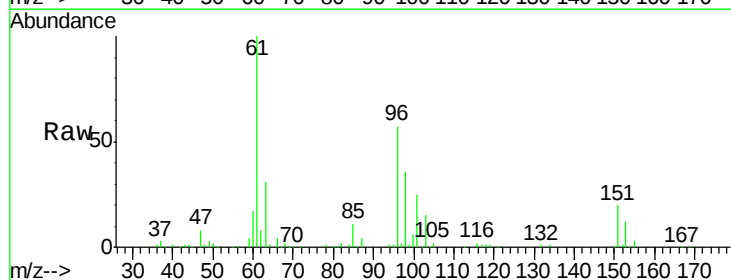
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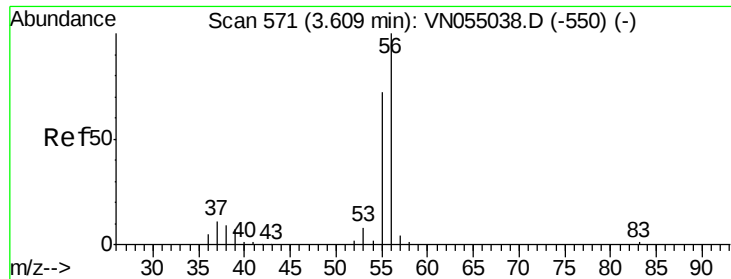
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.646 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	181660		
61	174.2		154.2	231.4
98	63.0		52.9	79.3





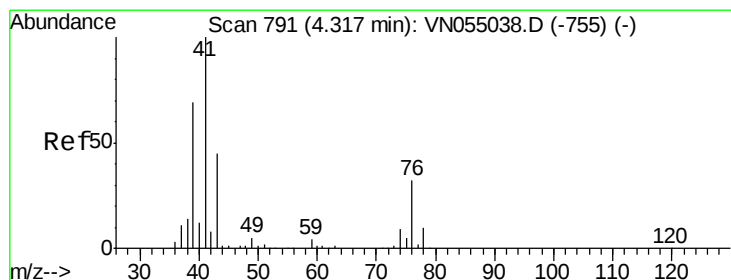
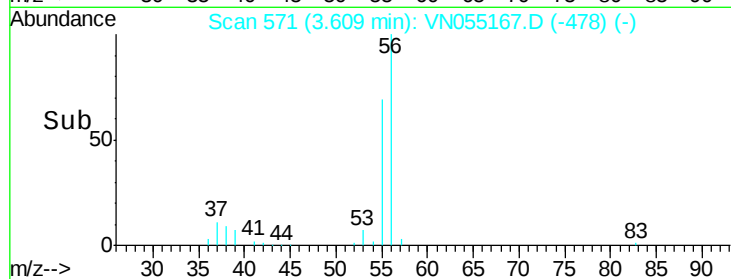
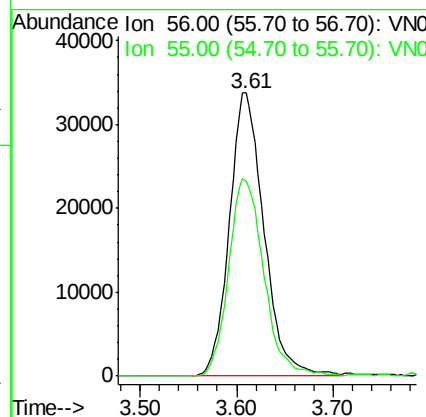
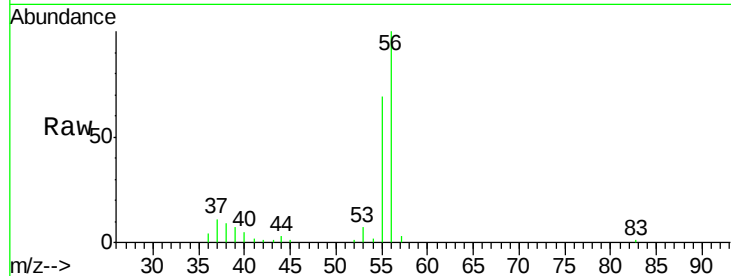
#13
Acrolein
Concen: 189.442 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.5	59.5	89.3

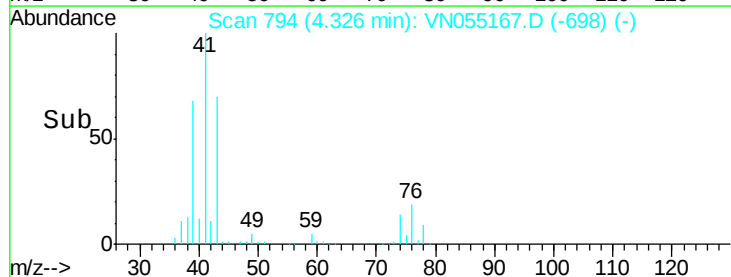
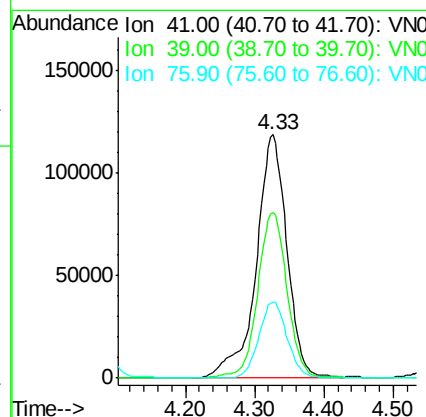
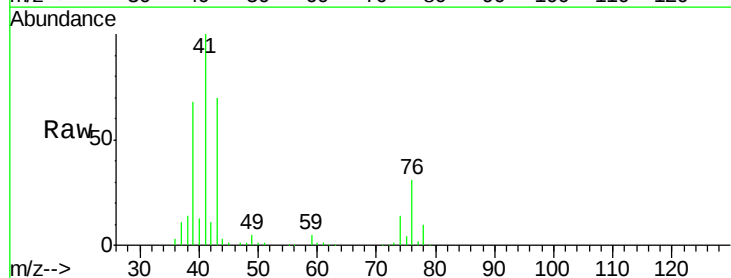
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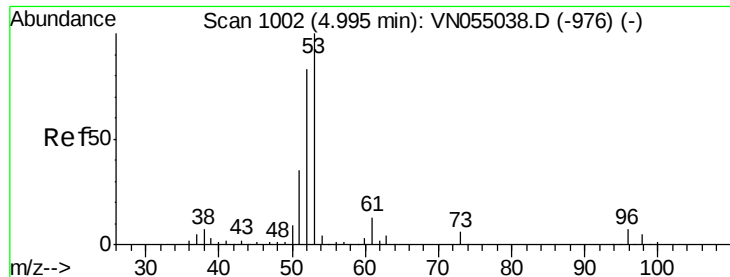
MMDadoda
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#14
Allyl chloride
Concen: 38.351 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.01 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.2	52.7	79.1
76	28.6	23.2	34.8





#15

Acrylonitrile

Concen: 222.094 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

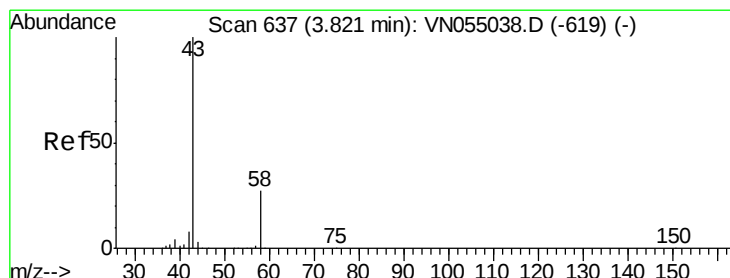
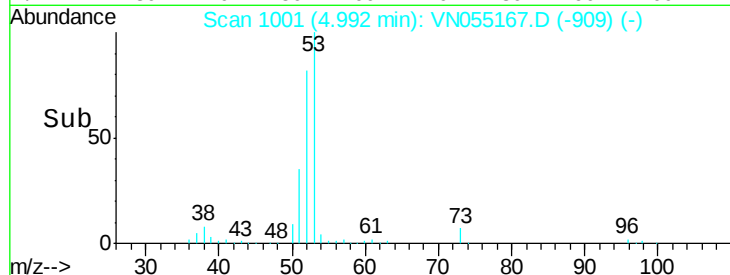
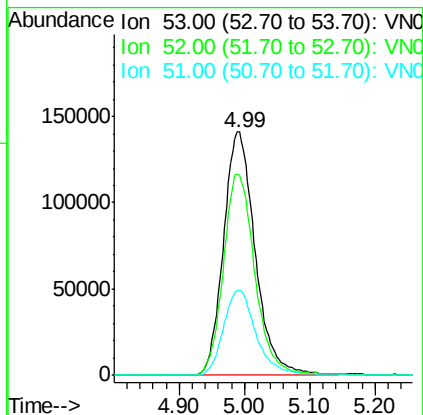
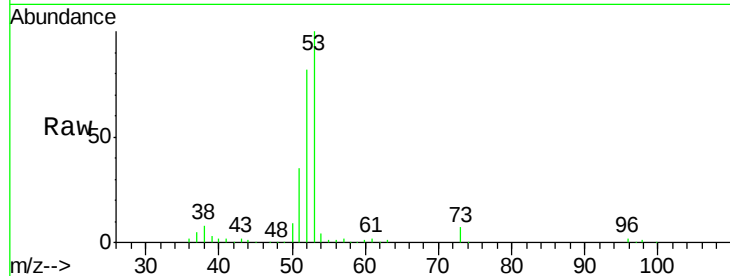
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	475044
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.9	98.9
51	36.0	29.7	44.5

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#16

Acetone

Concen: 203.301 ug/l

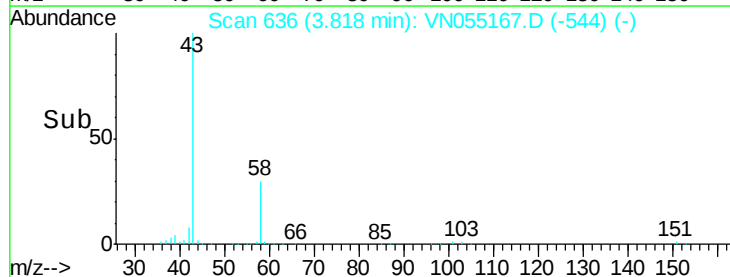
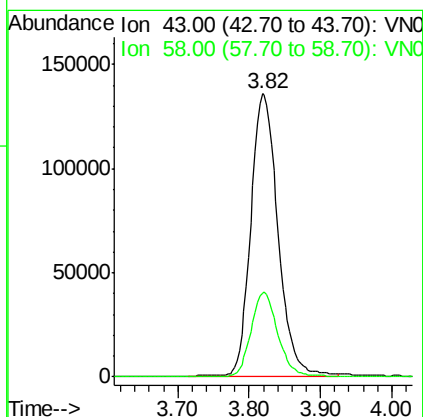
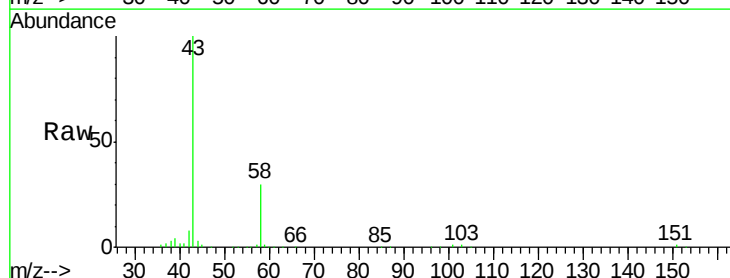
RT: 3.82 min Scan# 636

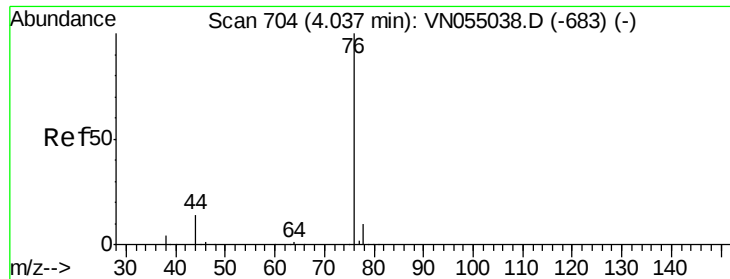
Delta R.T. -0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion:	43	Resp:	359888
Ion Ratio	Lower	Upper	
43	100		
58	29.8	20.9	31.3





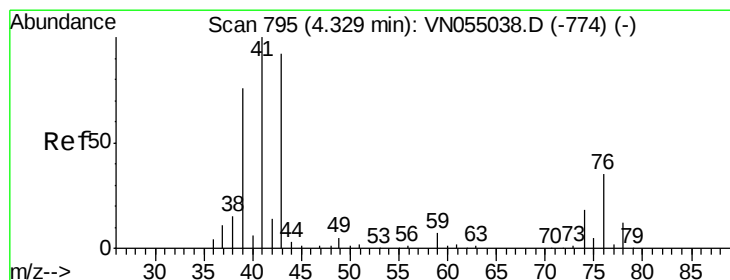
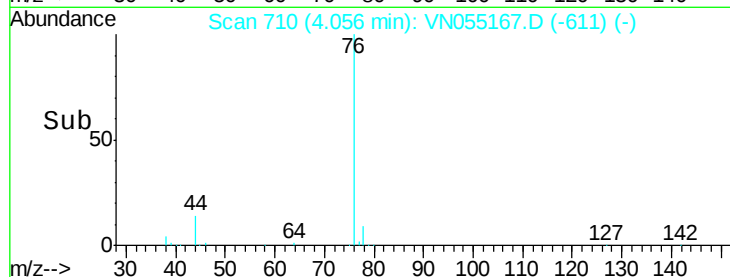
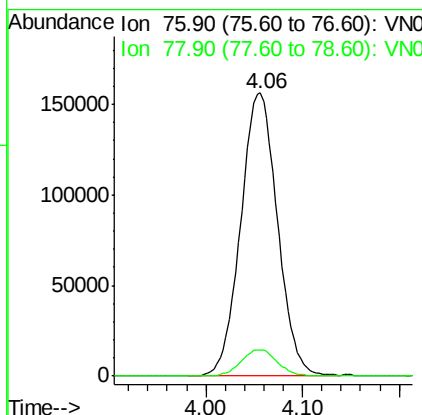
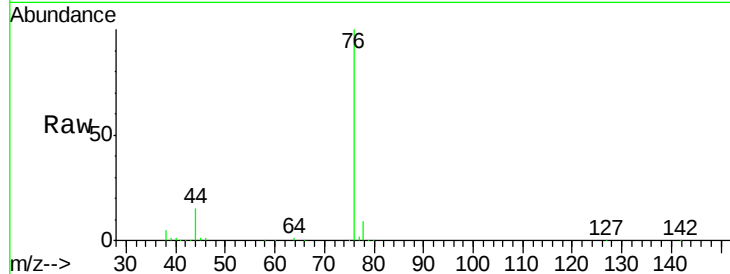
#17
Carbon Disulfide
Concen: 32.894 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.02 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

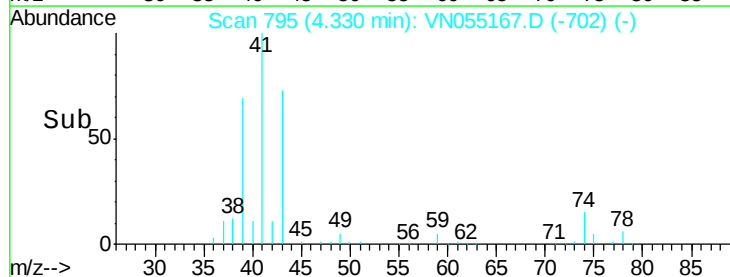
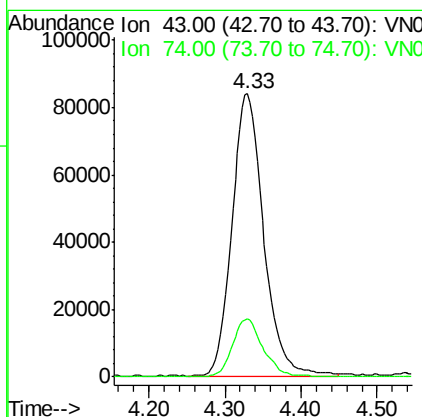
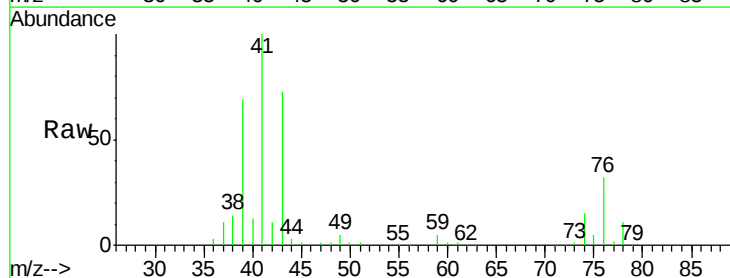
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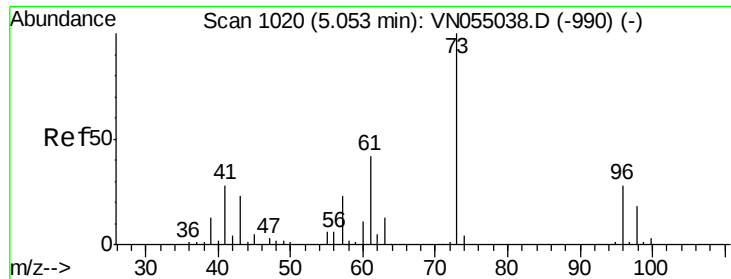
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#18
Methyl Acetate
Concen: 47.222 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	16.1	24.1





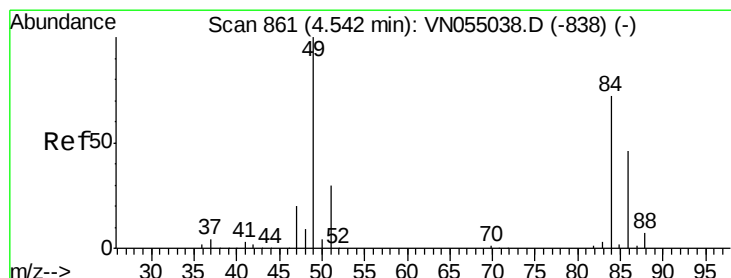
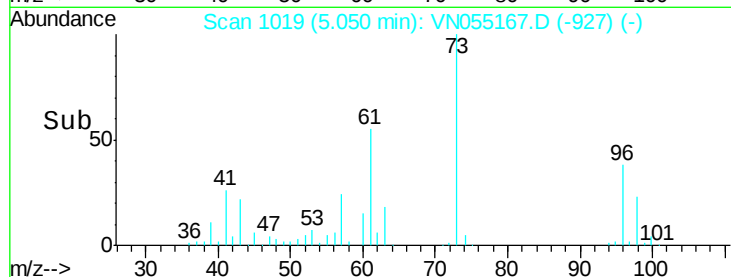
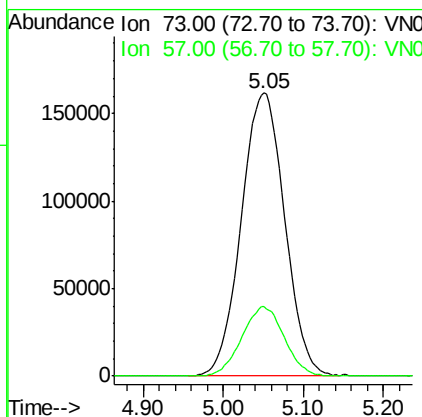
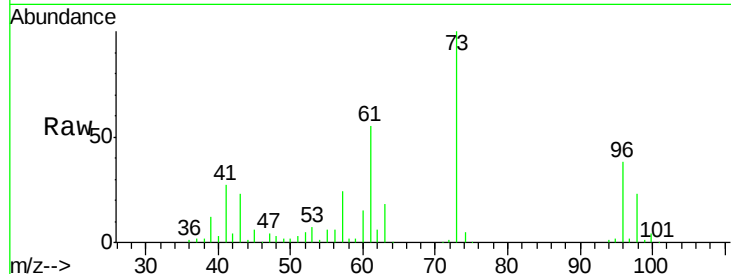
#19
Methvl tert-butvl Ether
Concen: 42.981 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 598774
Ion Ratio Lower Upper
73 100
57 24.5 19.0 28.4

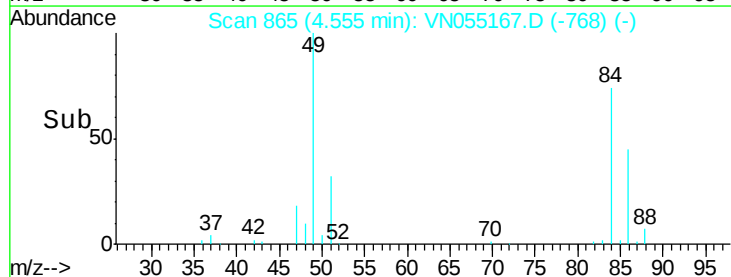
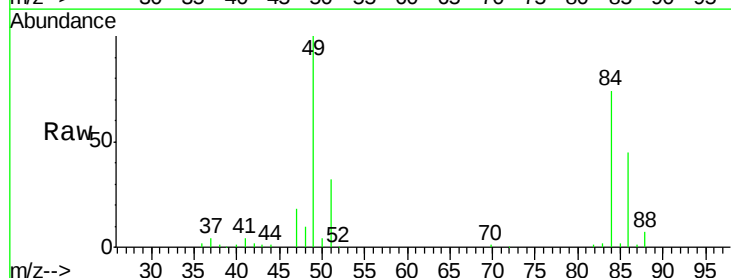
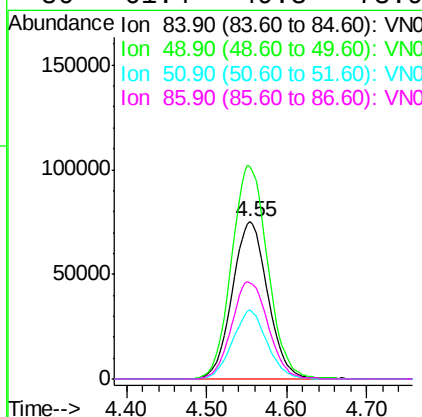
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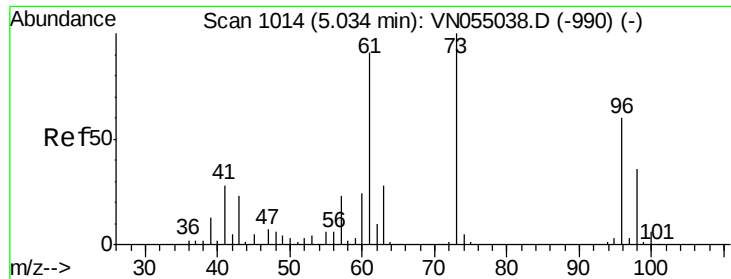
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#20
Methylene Chloride
Concen: 36.337 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 84 Resp: 226121
Ion Ratio Lower Upper
84 100
49 135.5 109.4 164.2
51 43.9 32.2 48.4
86 61.4 49.3 73.9





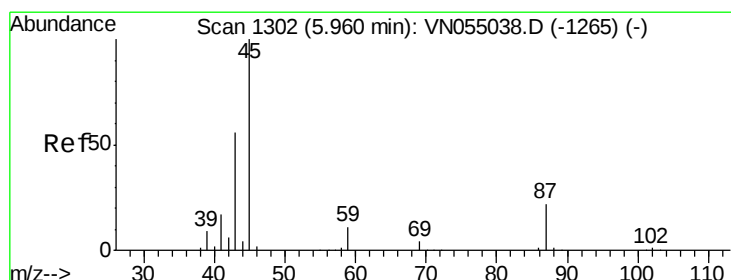
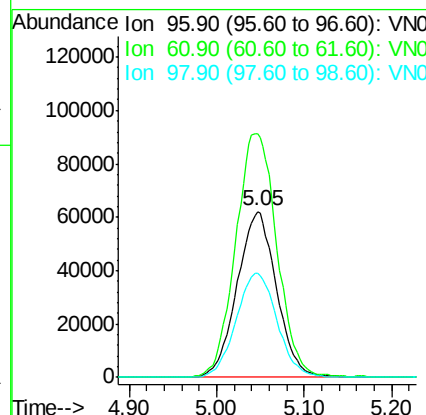
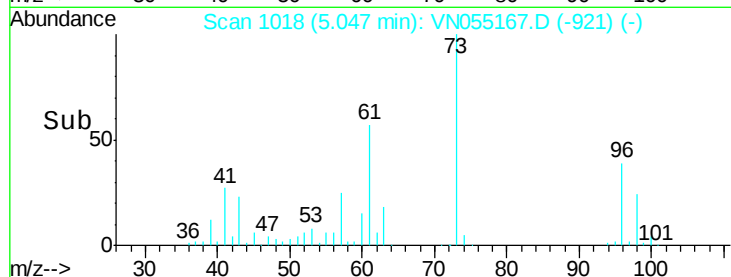
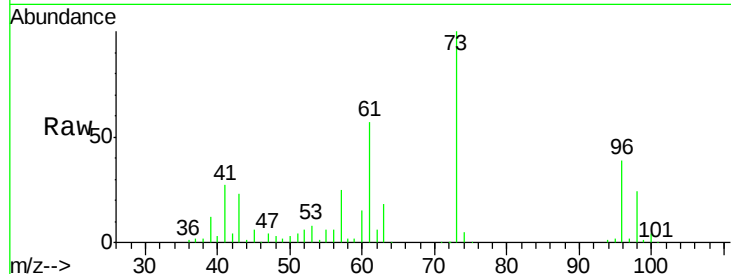
#21
trans-1,2-Dichloroethene
Concen: 36.809 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	114.9	172.3
98	62.7	48.4	72.6

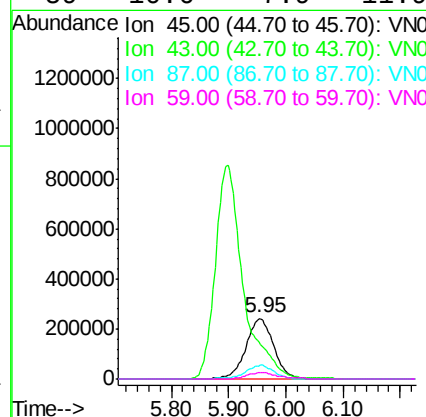
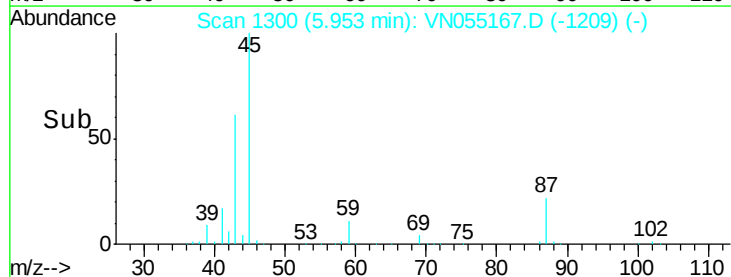
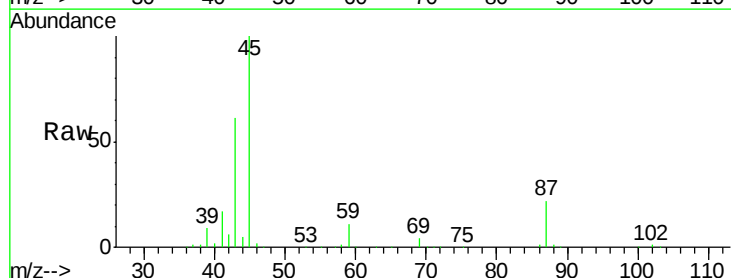
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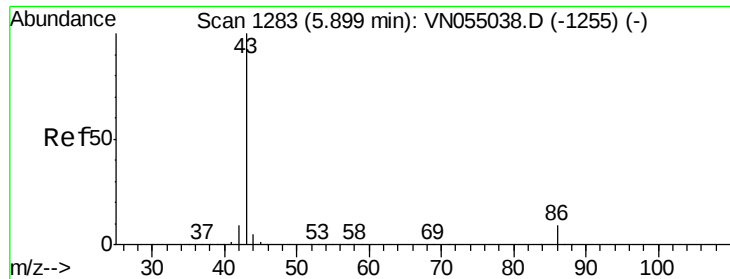
MMDadoda
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#22
Diisopropyl ether
Concen: 41.569 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	44.8	67.2
87	22.3	18.9	28.3
59	10.6	7.9	11.9





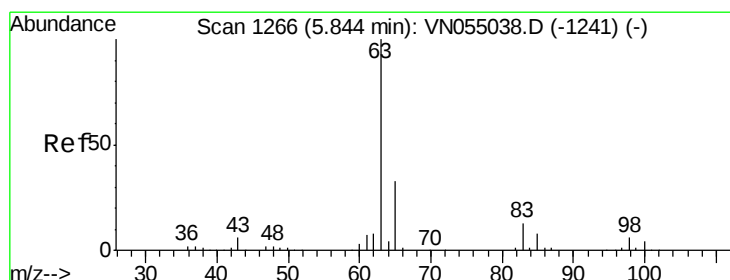
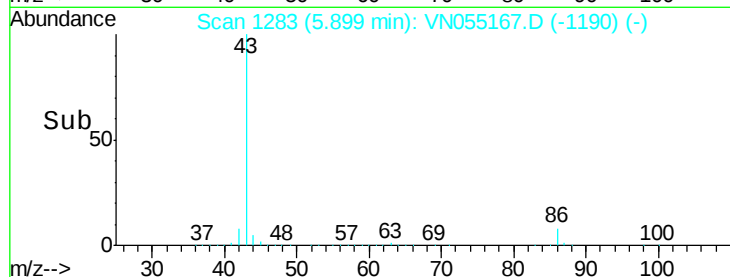
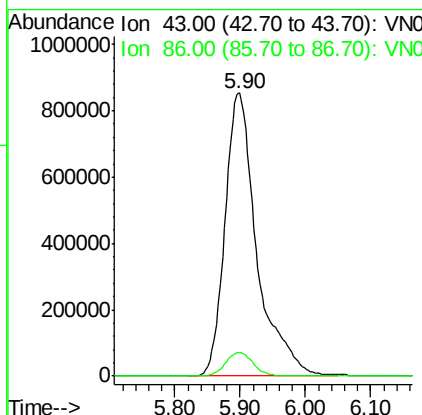
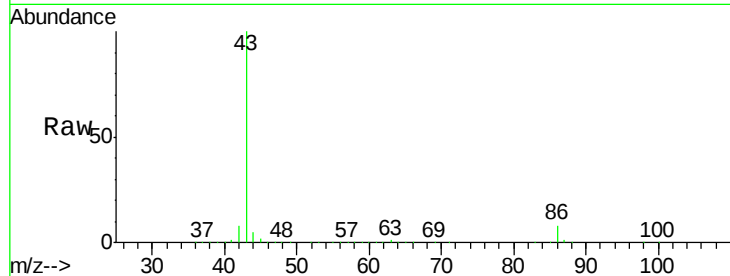
#23
 Vinyl Acetate
 Concen: 223.247 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2891718
 Ion Ratio Lower Upper
 43 100
 86 8.3 7.0 10.4

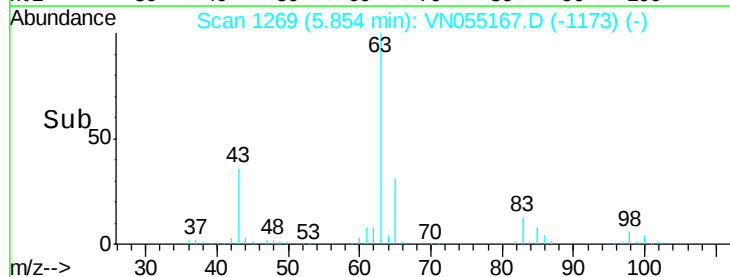
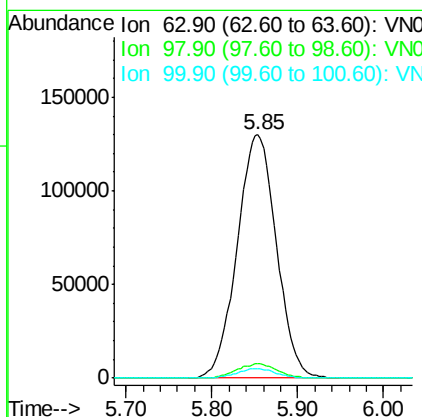
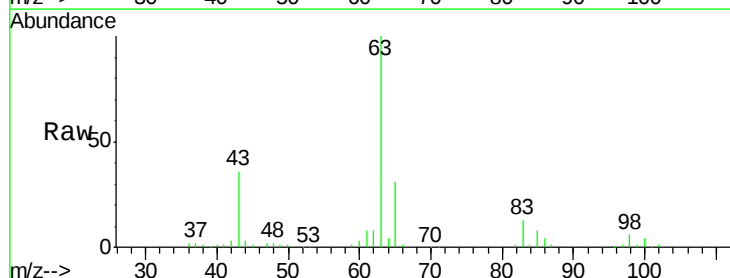
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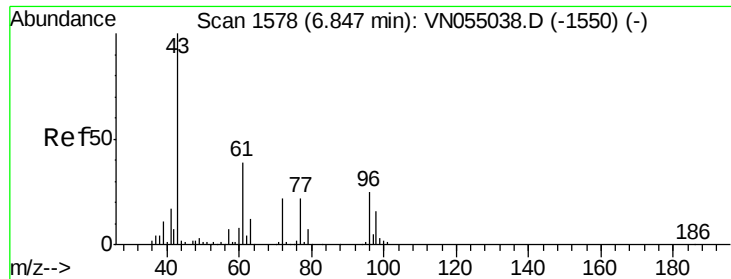
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 39.495 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion: 63 Resp: 412154
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.8 8.4
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 220.938 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 583728

Ion Ratio Lower Upper

43 100

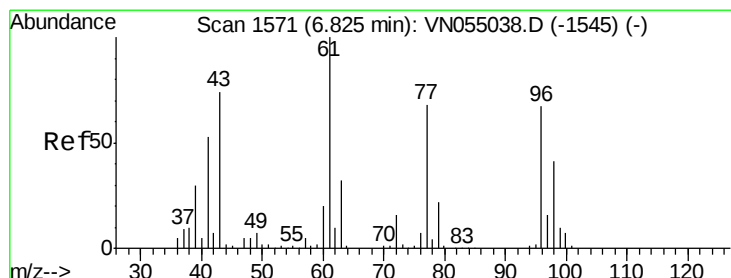
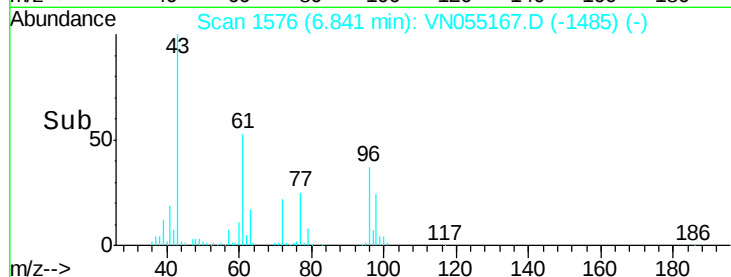
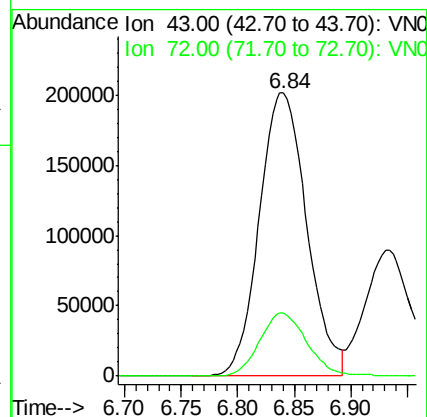
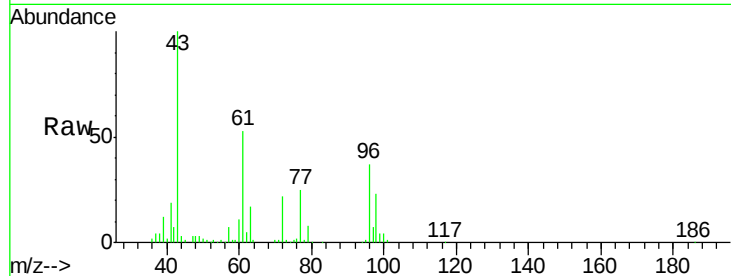
72 22.3 18.1 27.1

Manual Integrations

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4/22/2019 10:07:48 AM



#26

2,2-Dichloropropane

Concen: 29.799 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055167.D

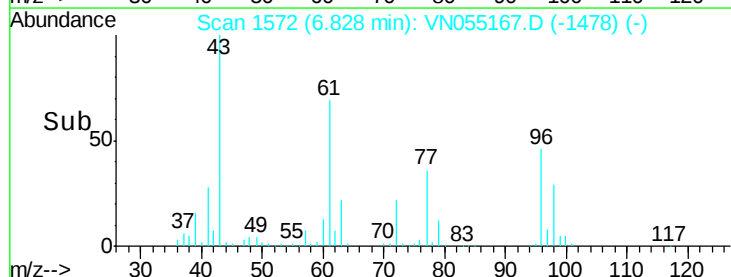
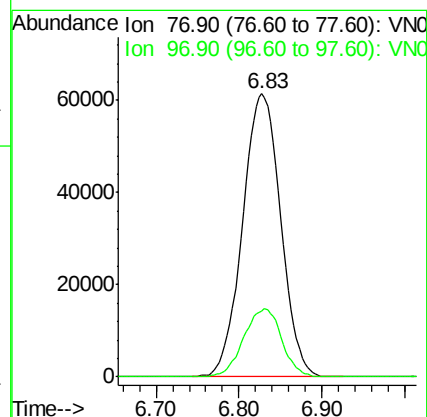
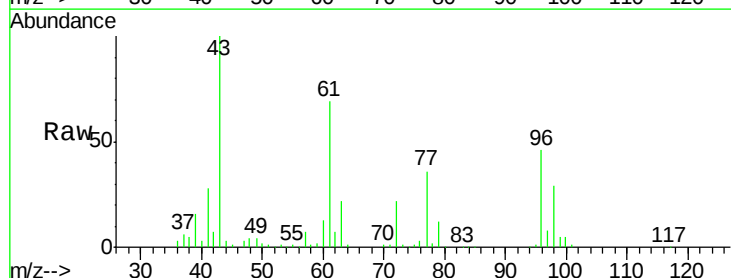
Acq: 20 Apr 2019 3:36

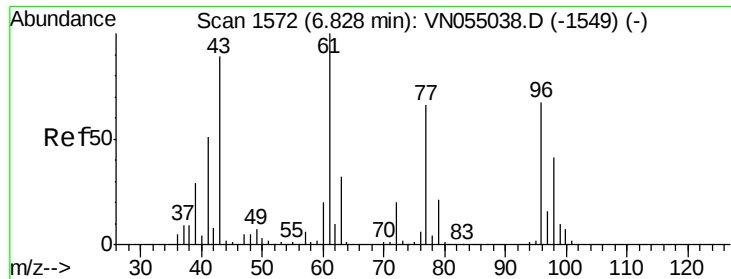
Tgt Ion: 77 Resp: 196268

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 39.398 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

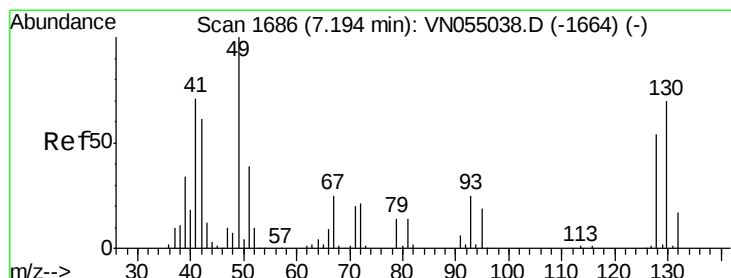
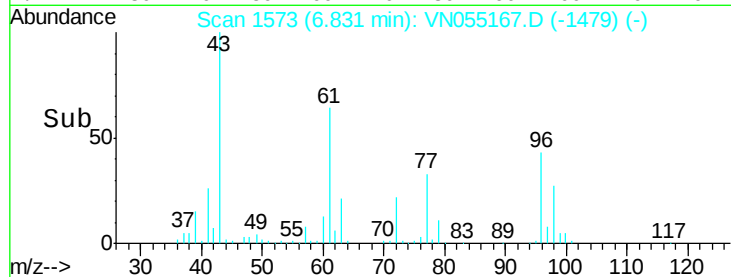
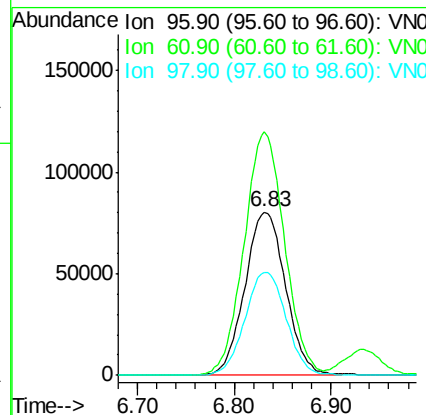
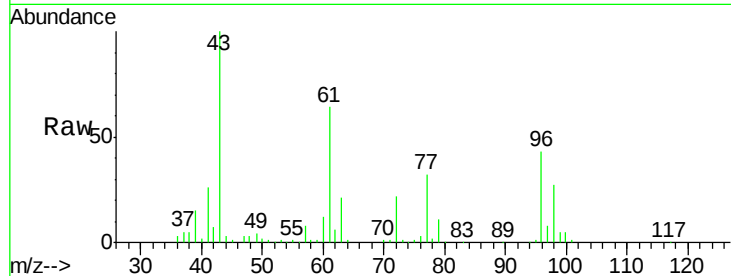
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	234774
Ion Ratio	Lower	Upper	
96	100		
61	148.4	0.0	311.0
98	64.1	0.0	127.4

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#28

Bromochloromethane

Concen: 40.240 ug/l

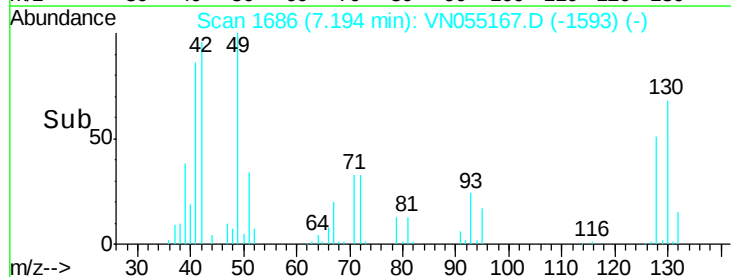
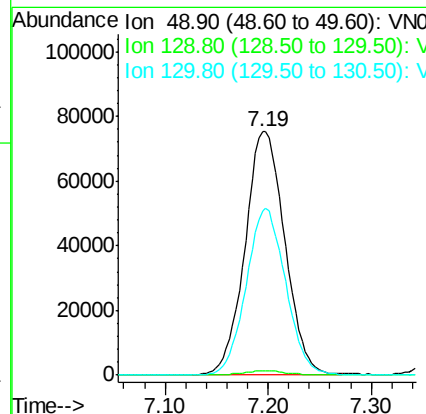
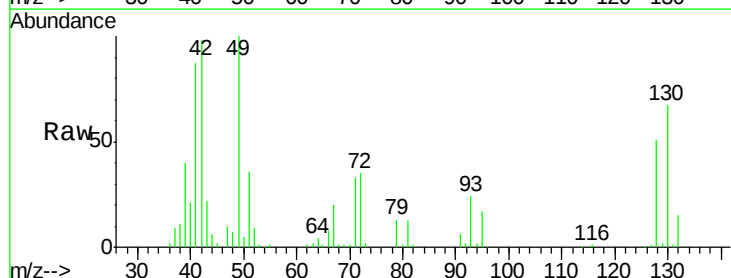
RT: 7.19 min Scan# 1686

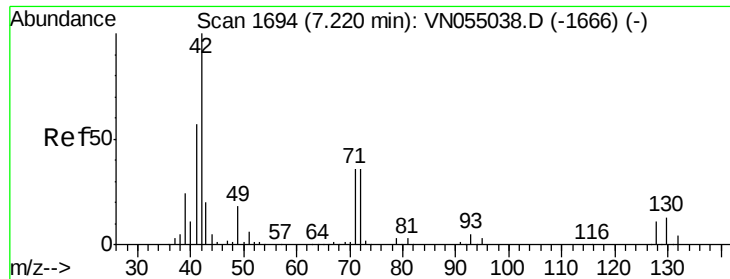
Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion:	49	Resp:	202424
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	2.0
130	67.7	53.4	80.2





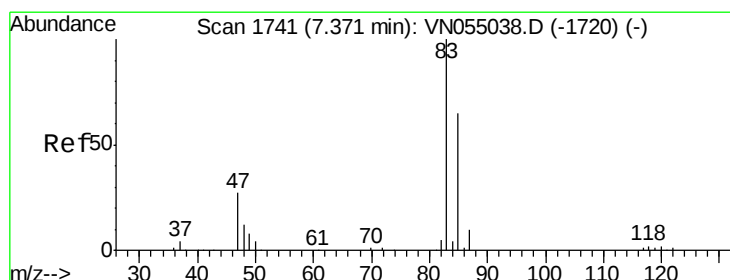
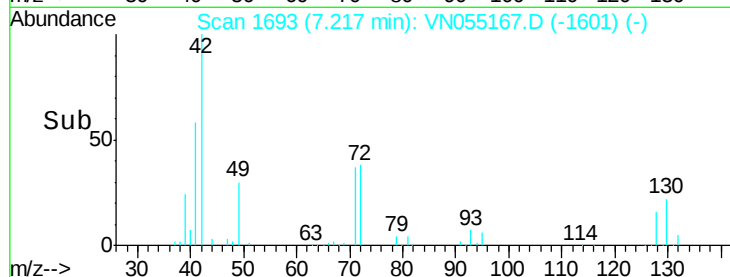
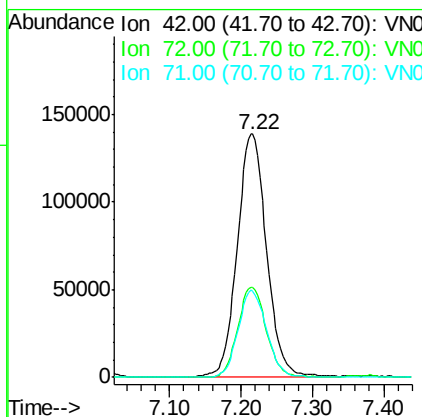
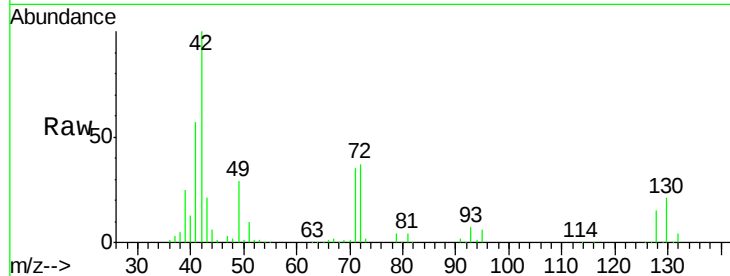
#29
Tetrahydrofuran
Concen: 228.161 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.4	44.0
71	35.0	27.8	41.6

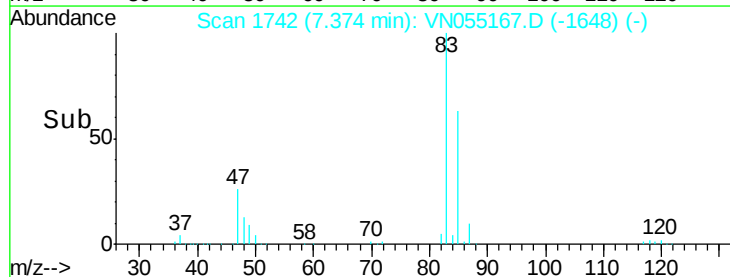
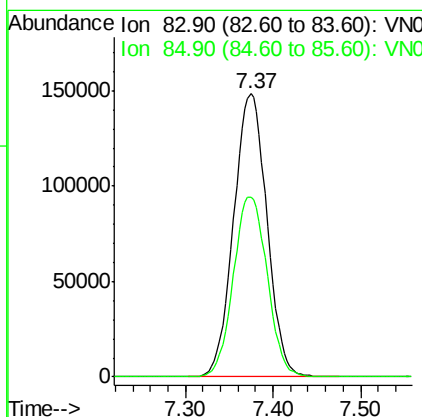
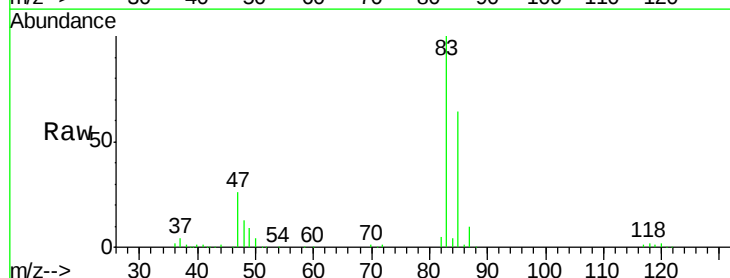
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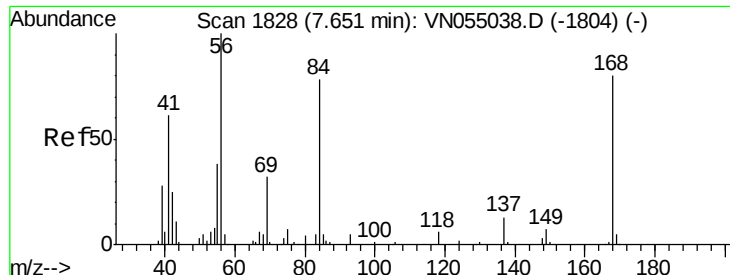
MMDadoda
4/22/2019 10:07:48 AM



#30
Chloroform
Concen: 38.746 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6





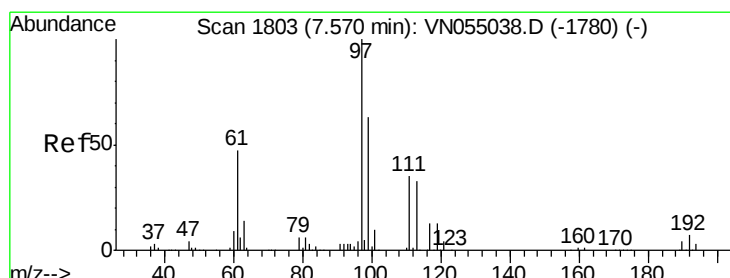
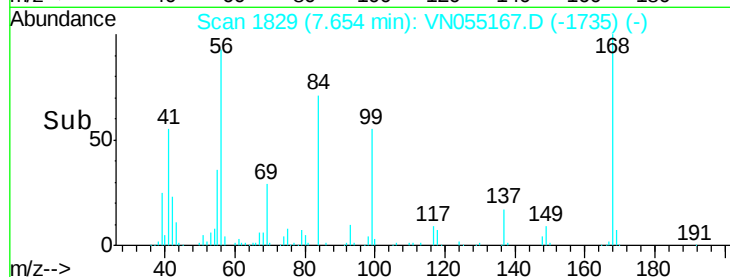
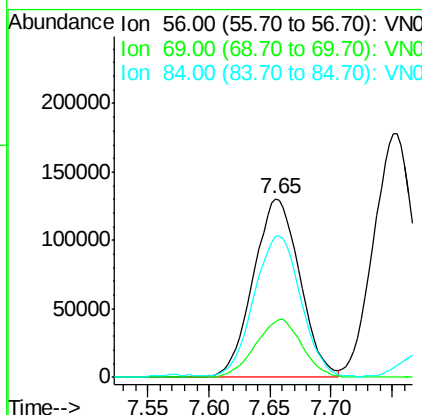
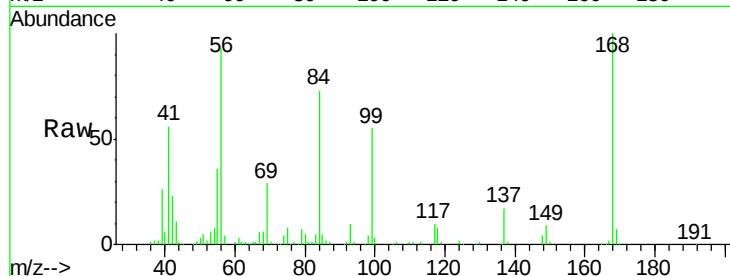
#31
Cyclohexane
Concen: 37.203 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.5	36.7
84	77.6	62.9	94.3

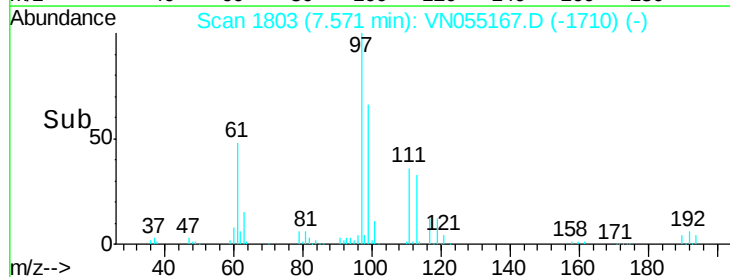
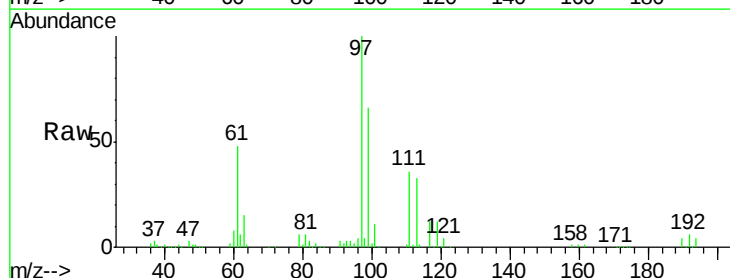
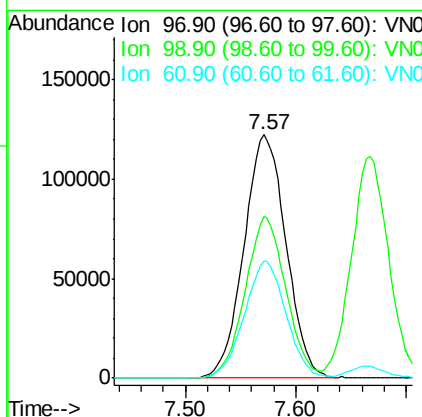
Manual Integrations
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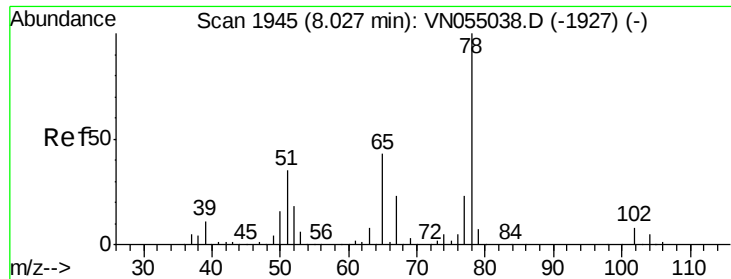
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#32
1,1,1-Trichloroethane
Concen: 40.272 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	47.8	38.3	57.5





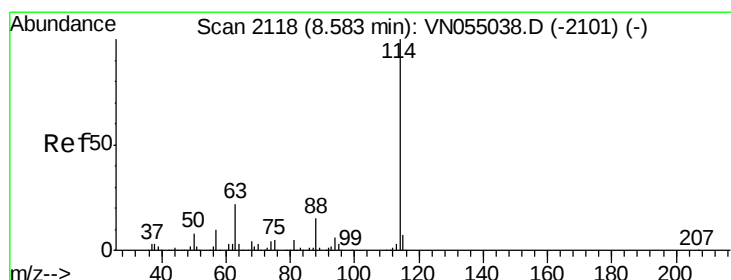
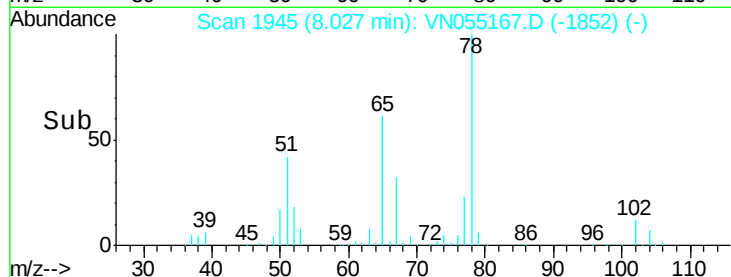
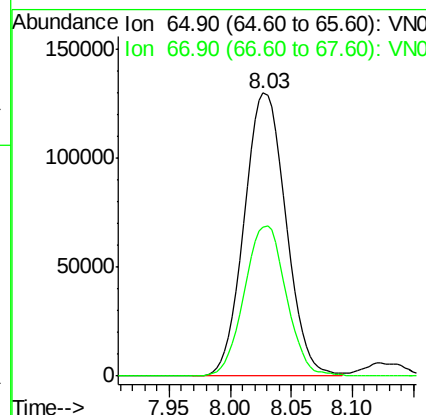
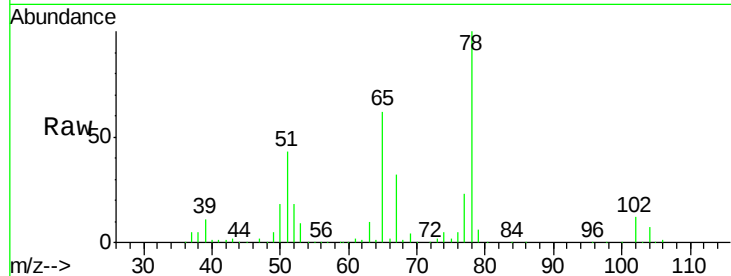
#33
 1,2-Dichloroethane-d4
 Concen: 47.153 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	307539		
67	53.4	0.0	106.4	

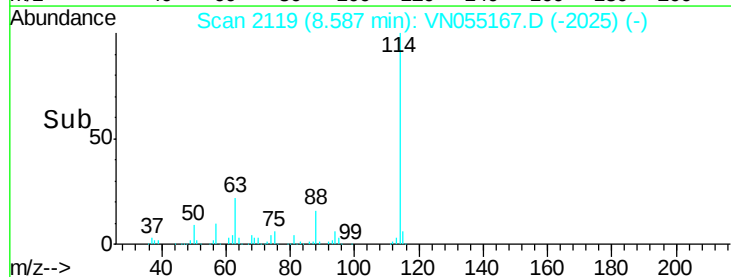
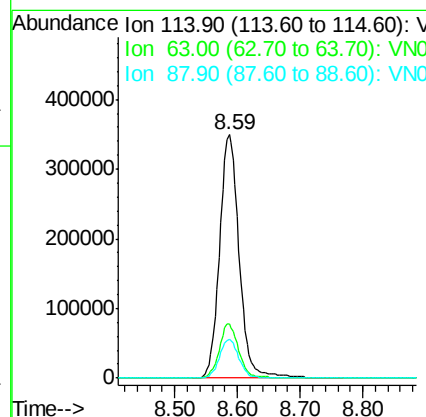
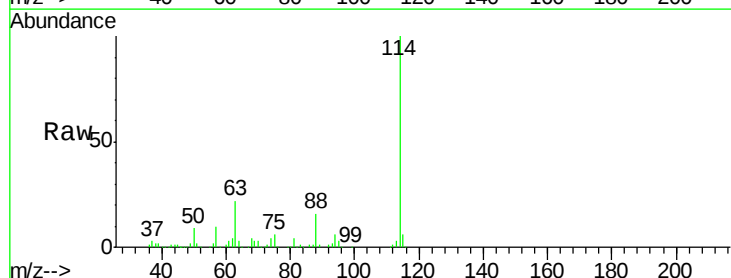
Manual Integrations
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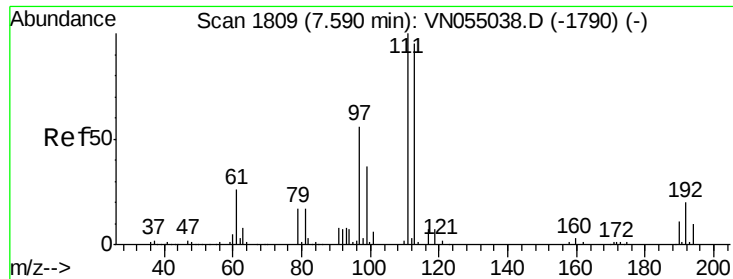
MMDadoda
 4/22/2019 10:07:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	759549		
63	22.1	0.0	45.2	
88	15.8	0.0	31.8	





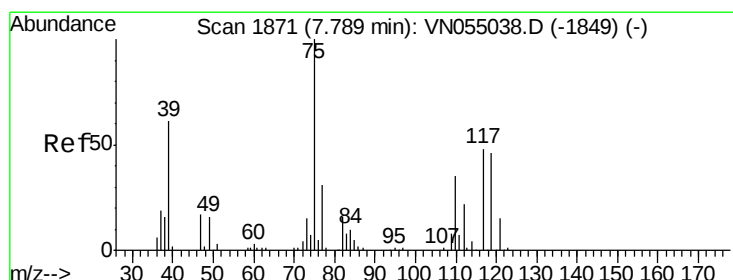
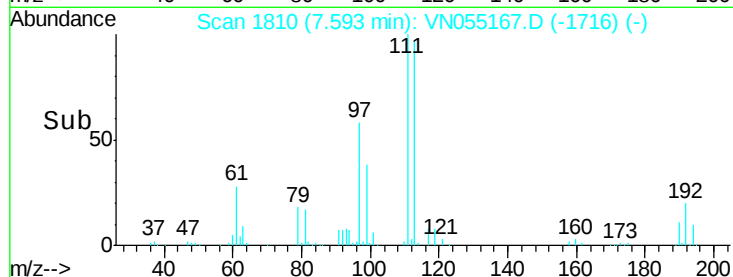
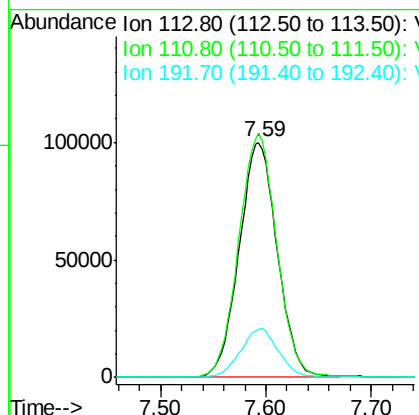
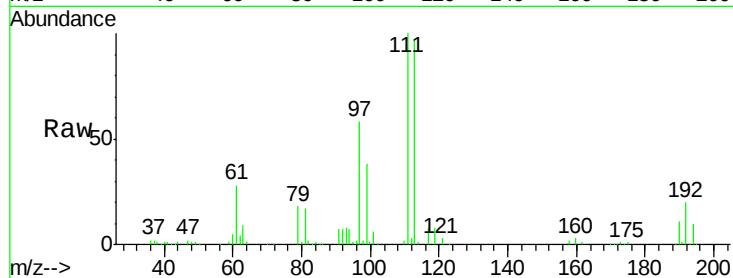
#35
Dibromofluoromethane
Concen: 49.415 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	250835		
111	103.6	82.1	123.1	
192	20.6	16.5	24.7	

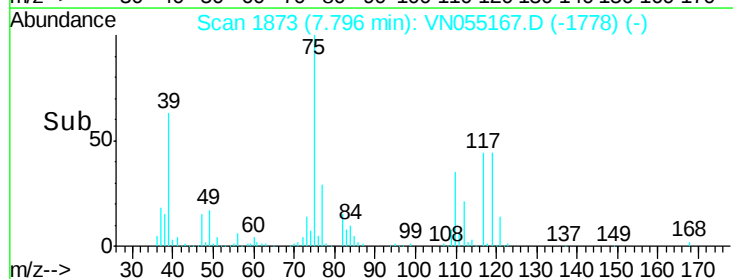
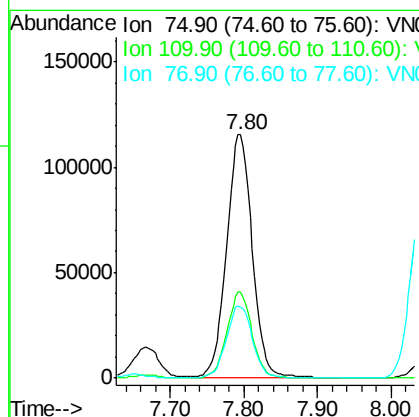
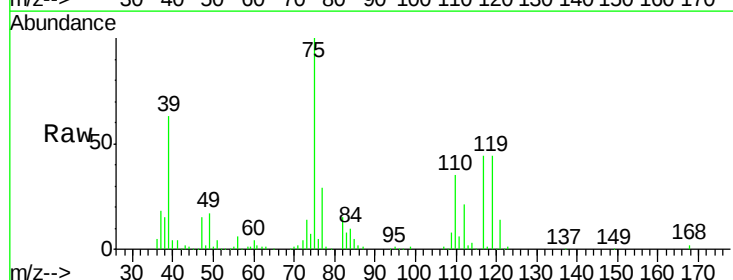
Manual Integrations
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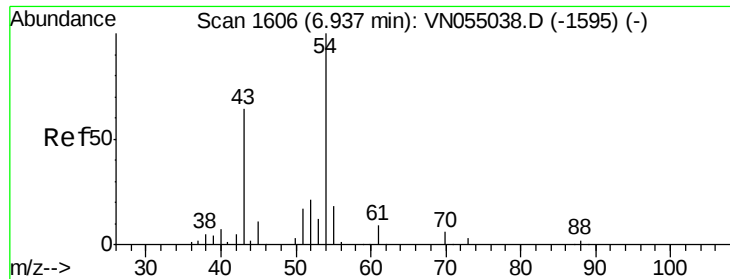
MMDadoda
4/22/2019 10:07:48 AM



#36
1,1-Dichloropropene
Concen: 38.953 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.01 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	278908		
110	34.5	17.5	52.5	
77	30.5	24.9	37.3	





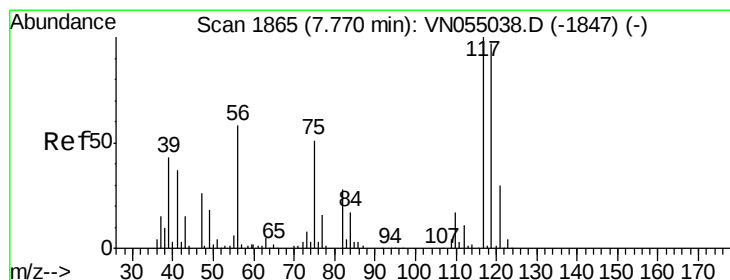
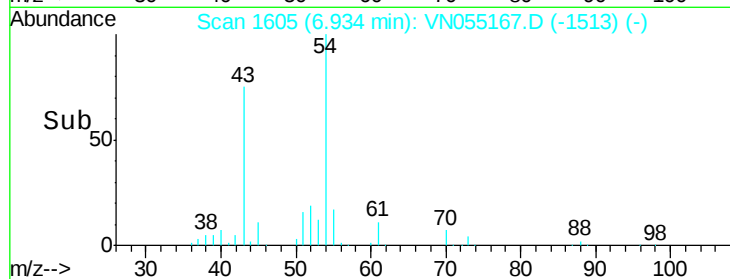
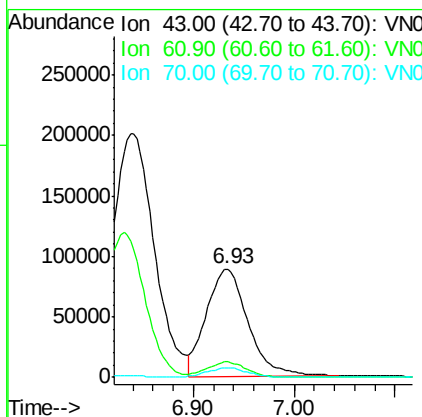
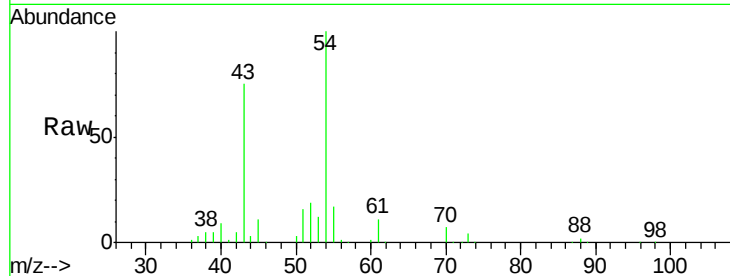
#37
Ethyl Acetate
Concen: 43.579 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.0	15.0
70	9.0	7.1	10.7

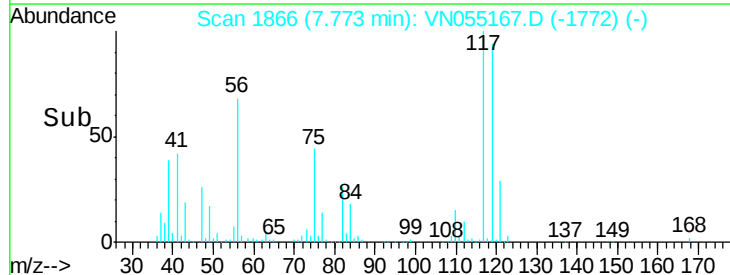
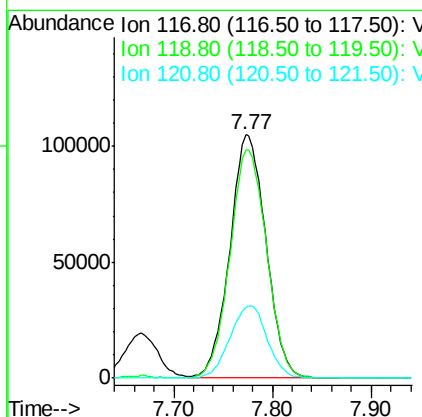
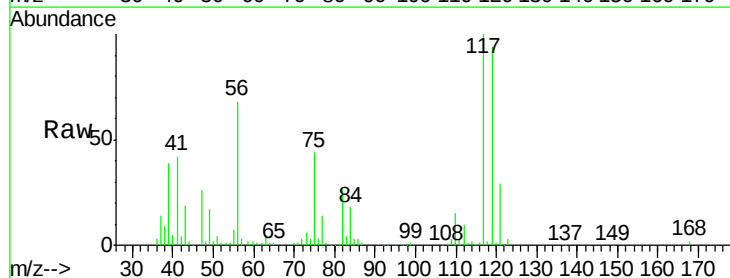
Manual Integrations
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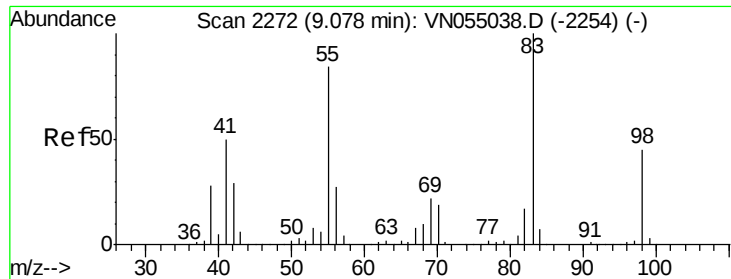
MMDadoda
4/22/2019 10:07:48 AM



#38
Carbon Tetrachloride
Concen: 39.196 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.3	114.5
121	29.1	23.9	35.9





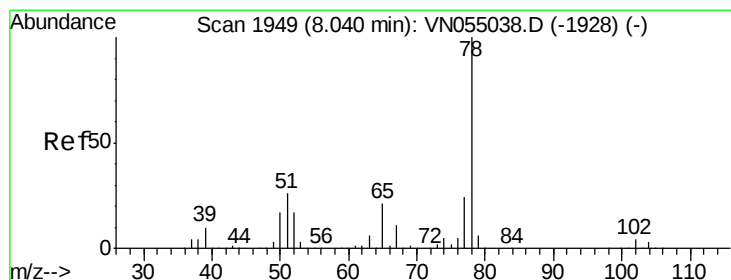
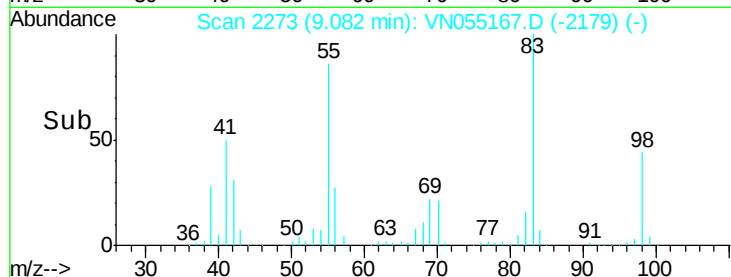
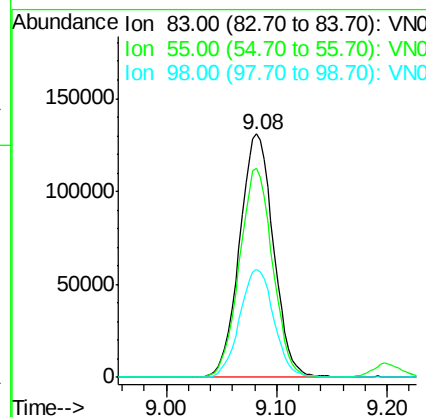
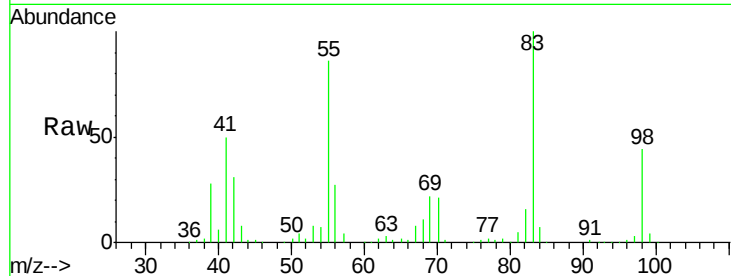
#39
Methylvlcyclohexane
Concen: 35.902 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	278559
Ion Ratio	100	Lower	Upper
83	100		
55	85.9	67.0	100.4
98	44.2	35.6	53.4

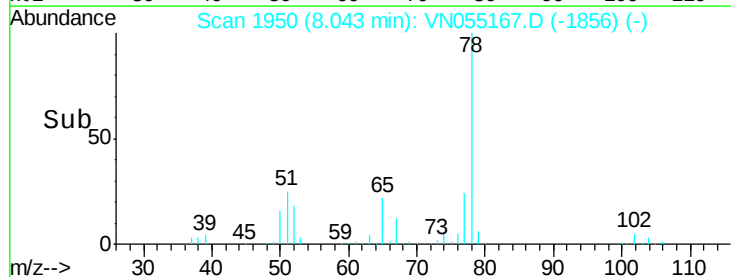
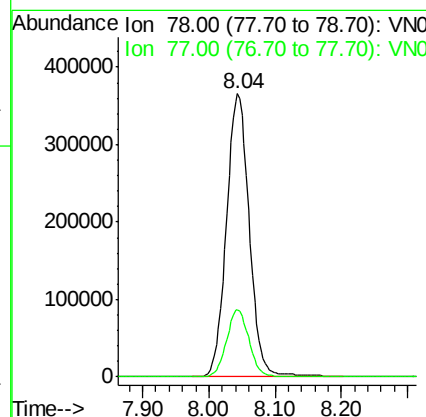
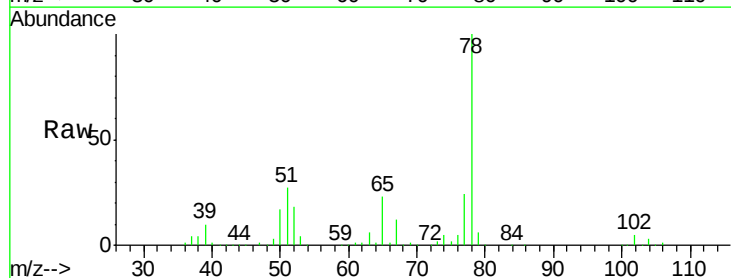
Manual Integrations
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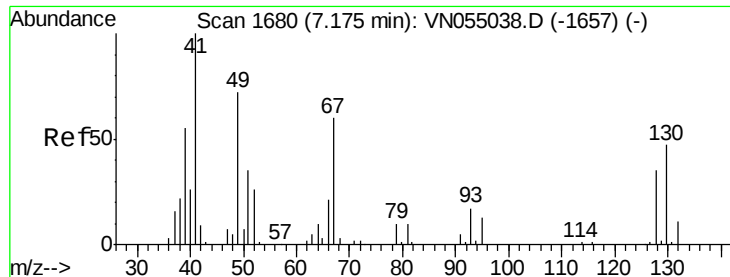
MMDadoda
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#40
Benzene
Concen: 40.592 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	78	Resp	875965
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.8	28.2





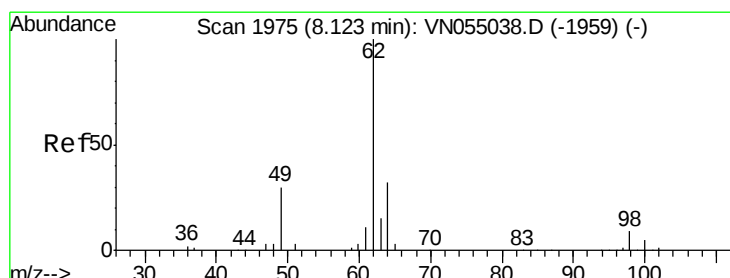
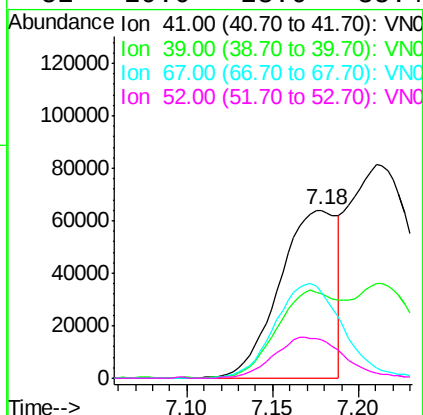
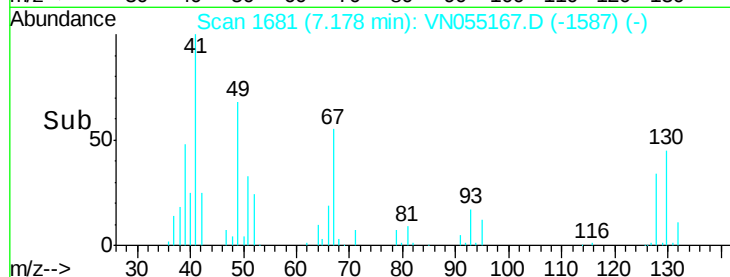
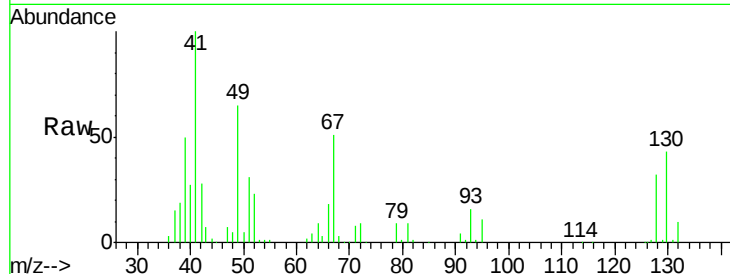
#41
Methacrylonitrile
Concen: 45.915 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		148572		
39	52.3	45.6	68.4		
67	67.4	57.0	85.6		
52	29.0	23.6	35.4		

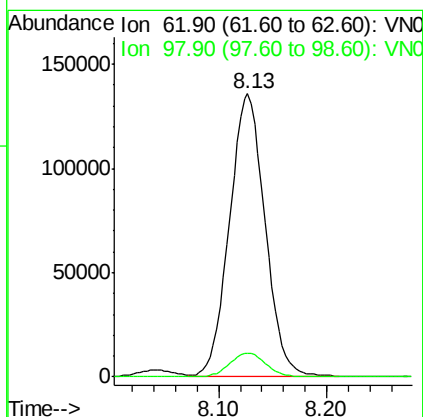
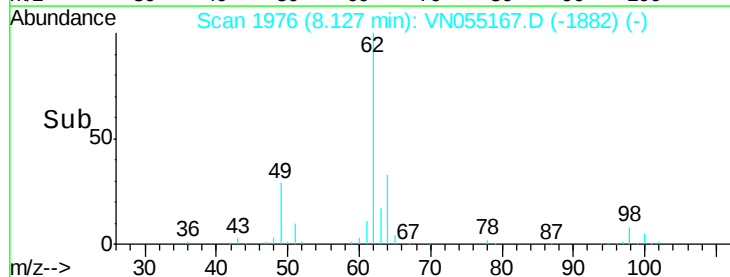
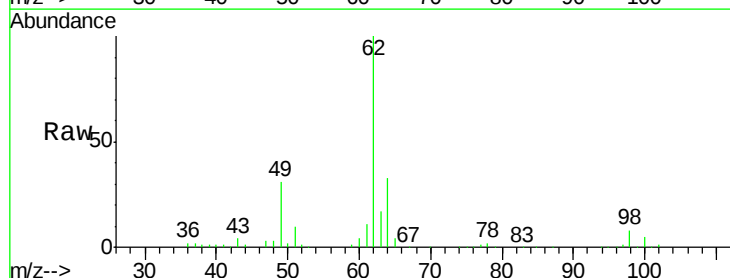
Manual Integrations
APPROVED

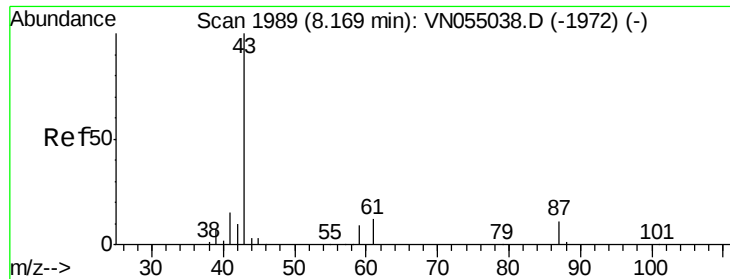
MMDadoda
4/22/2019 10:07:48 AM



#42
1,2-Dichloroethane
Concen: 41.438 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		310468		
98	8.6	0.0	17.4		





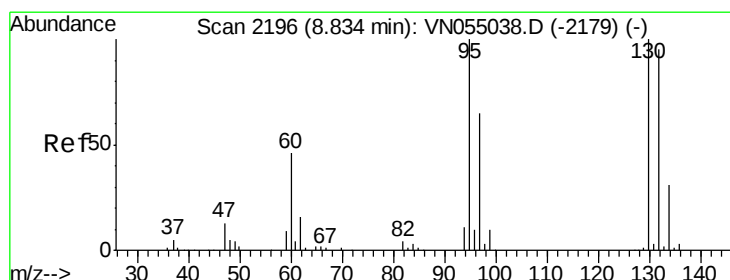
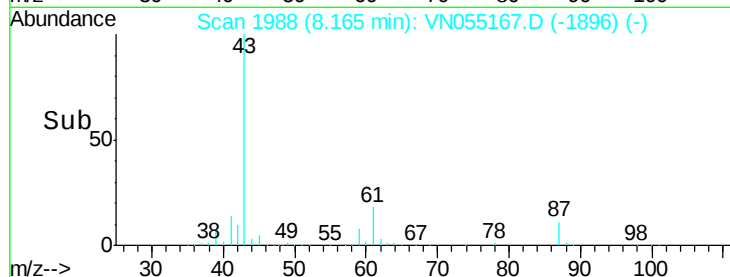
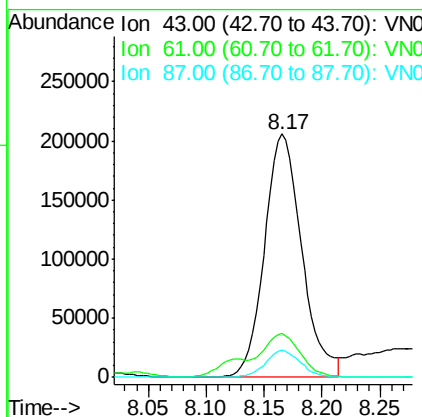
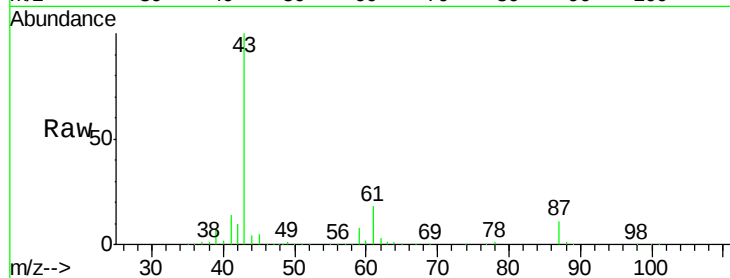
#43
Isopropyl Acetate
Concen: 50.940 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.3	21.5
87	10.6	8.6	13.0

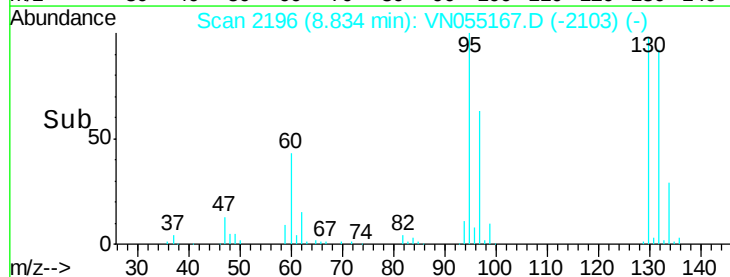
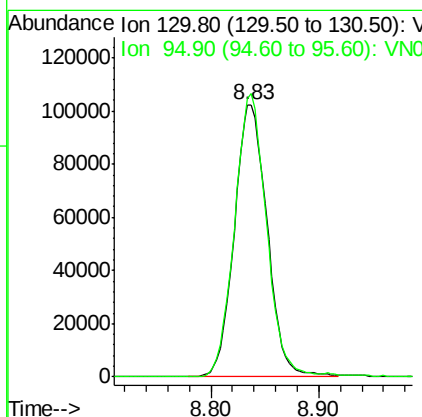
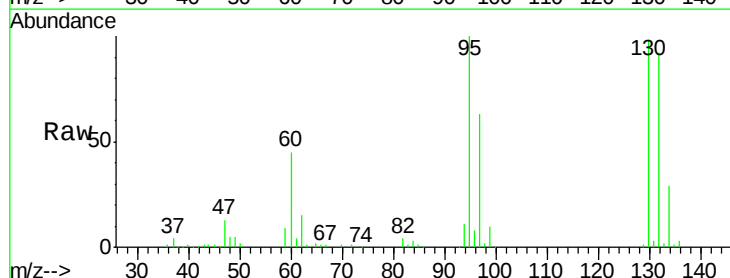
Manual Integrations
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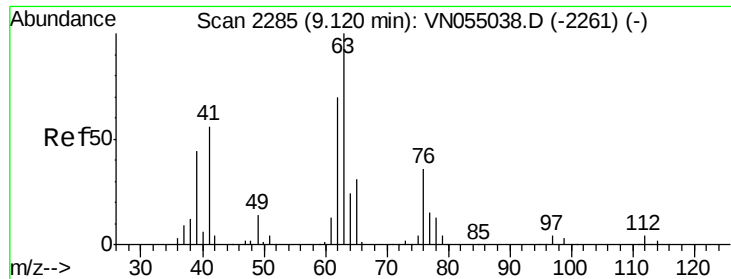
MMDadoda
4/22/2019 10:07:48 AM



#44
Trichloroethene
Concen: 40.315 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	201.6





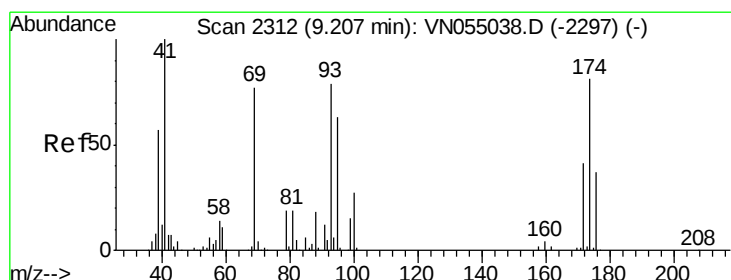
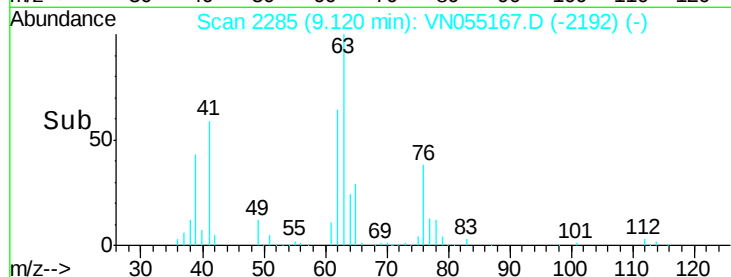
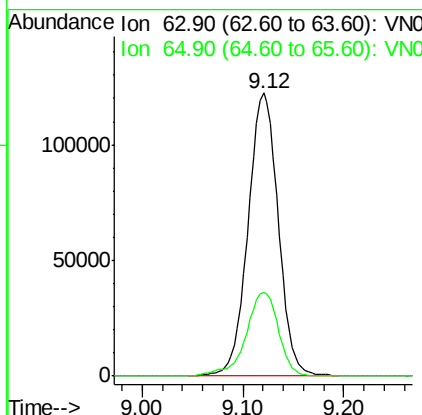
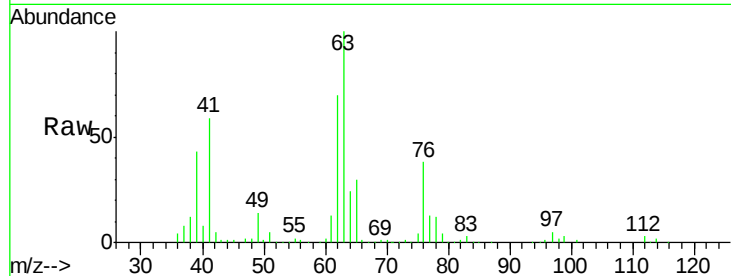
#45
 1,2-Dichloropropane
 Concen: 42.000 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 63 Resp: 252769
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6

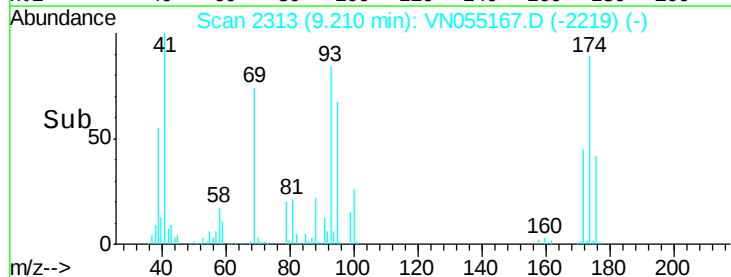
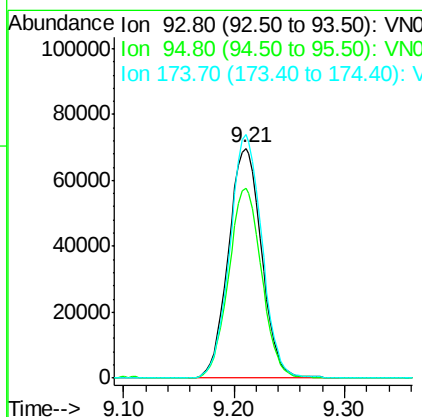
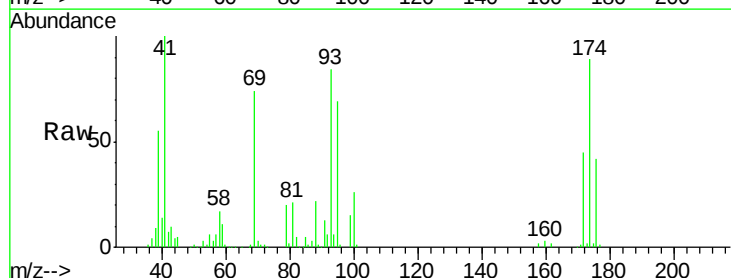
Manual Integrations
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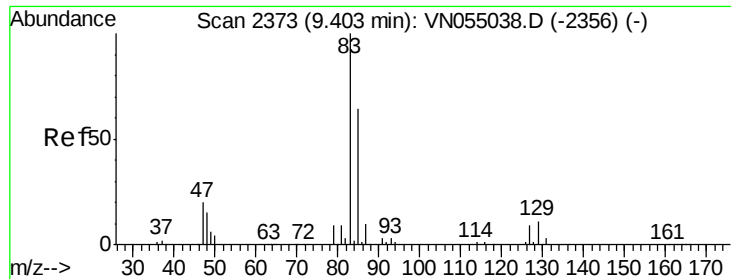
MMDadoda
 4/22/2019 10:07:48 AM



#46
 Dibromomethane
 Concen: 42.555 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion: 93 Resp: 145775
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.0 97.6
 174 102.5 81.0 121.6





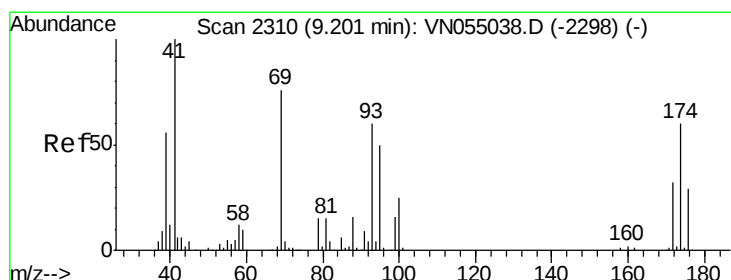
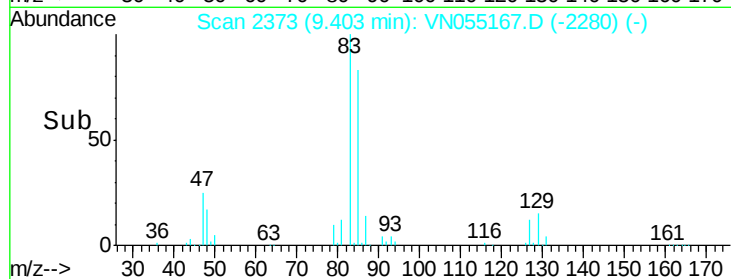
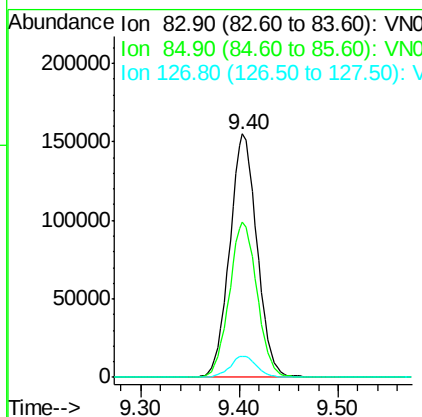
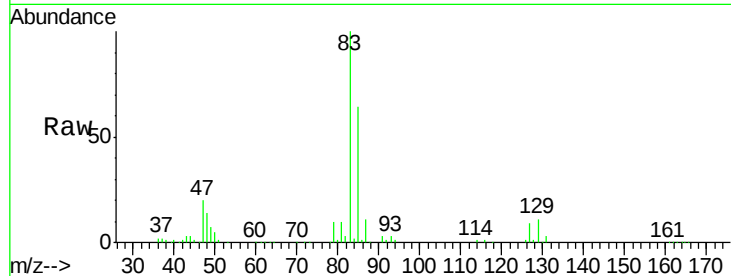
#47
Bromodichloromethane
Concen: 42.455 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	299838
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	51.2	76.8
127	8.8	6.8	10.2

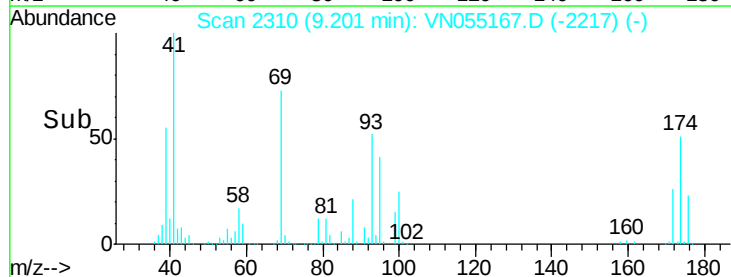
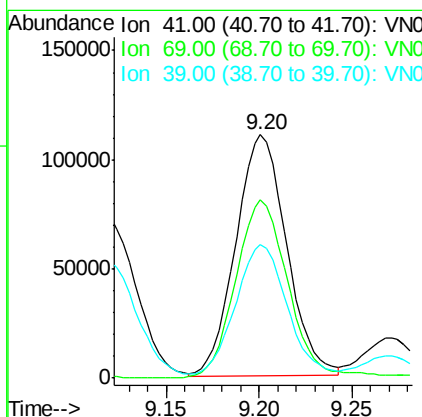
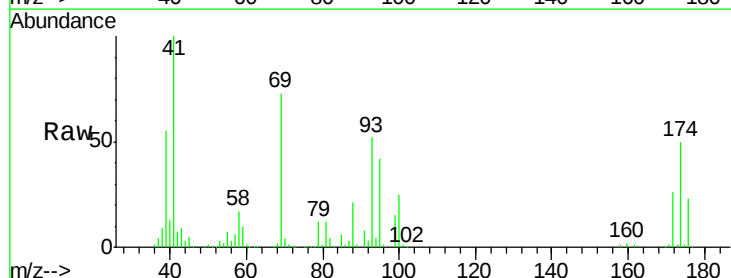
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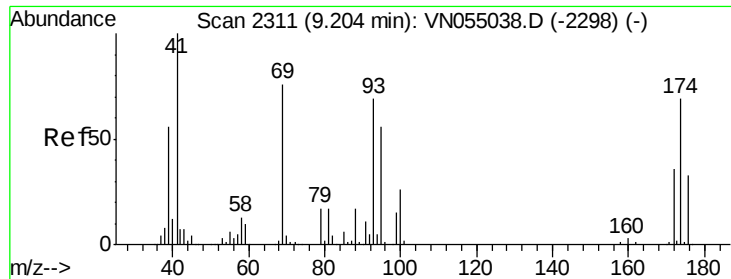
MMDadoda
4/22/2019 10:07:48 AM



#48
Methyl methacrylate
Concen: 47.478 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	41	Resp	211371
Ion Ratio	100	Lower	Upper
41	100		
69	76.9	60.5	90.7
39	56.0	43.9	65.9





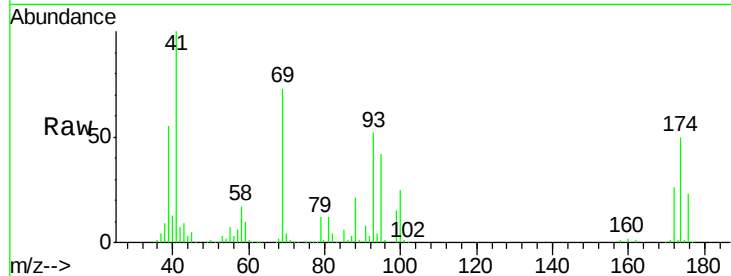
#49
 1,4-Dioxane
 Concen: 1170.466 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	48820		
43	38.6		31.8	47.8
58	75.8		61.6	92.4

Manual Integrations
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MMDadoda
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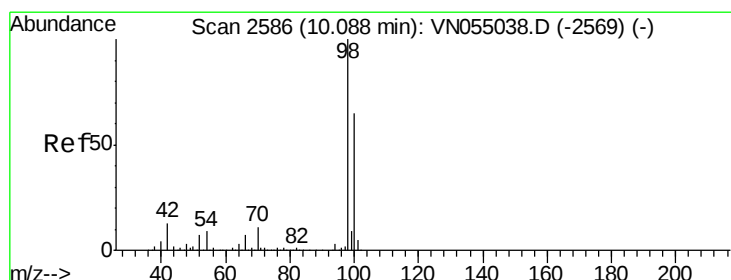
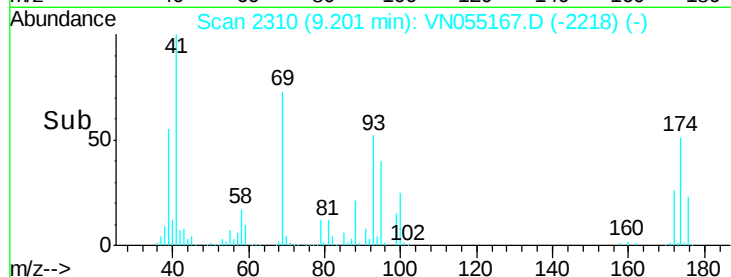
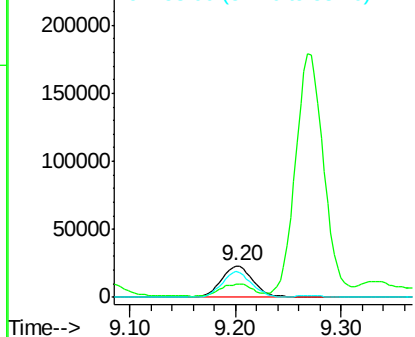


Abundance

Ion 88.00 (87.70 to 88.70): VN055167.D (-2218) (-)

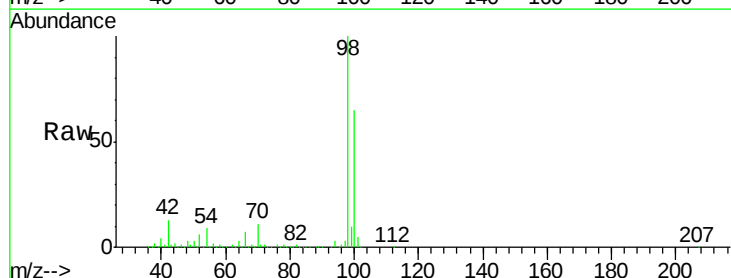
Ion 43.00 (42.70 to 43.70): VN055167.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055167.D (-2218) (-)



#50
 Toluene-d8
 Concen: 48.704 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

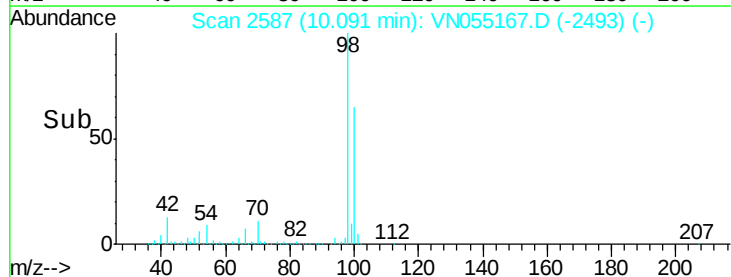
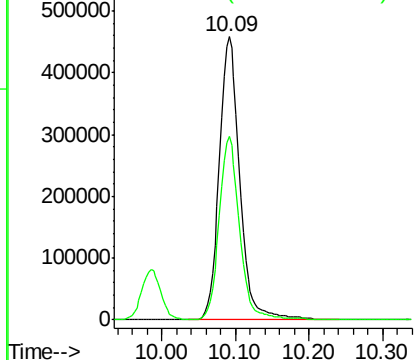
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	884848		
100	64.8		51.1	76.7



Abundance

Ion 98.00 (97.70 to 98.70): VN055167.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN055167.D (-2493) (-)





#51

4-Methyl-2-Pentanone

Concen: 242.645 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1259115

Ion Ratio Lower Upper

43 100

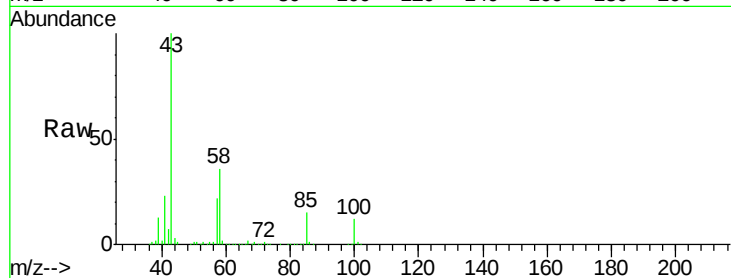
58 36.0 29.0 43.4

Manual Integrations

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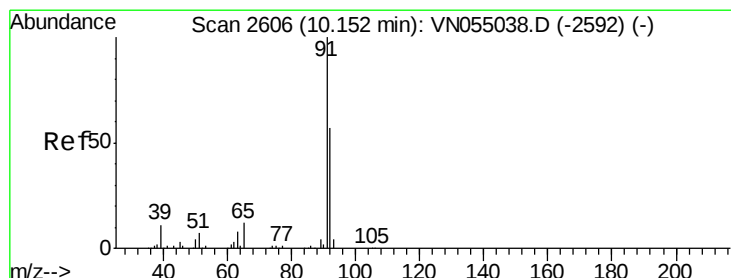
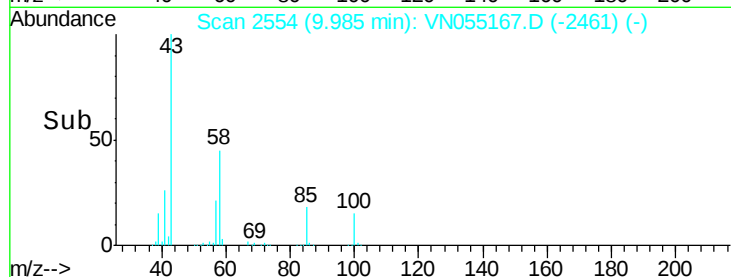
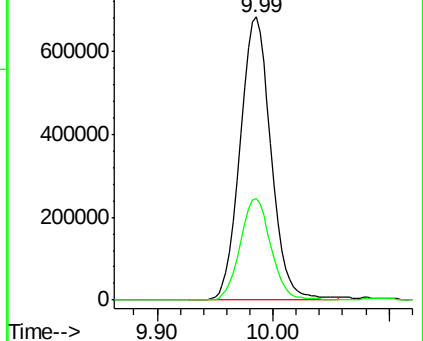
MMDadoda

4/22/2019 10:07:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 41.264 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055167.D

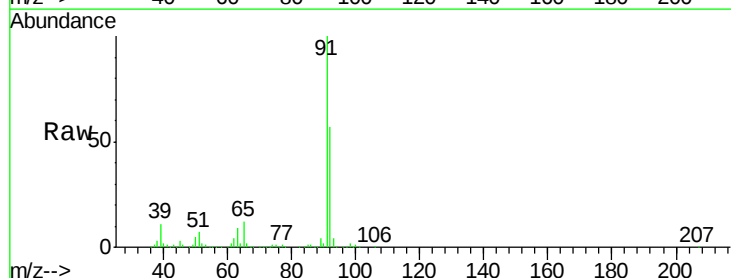
Acq: 20 Apr 2019 3:36

Tgt Ion: 92 Resp: 510009

Ion Ratio Lower Upper

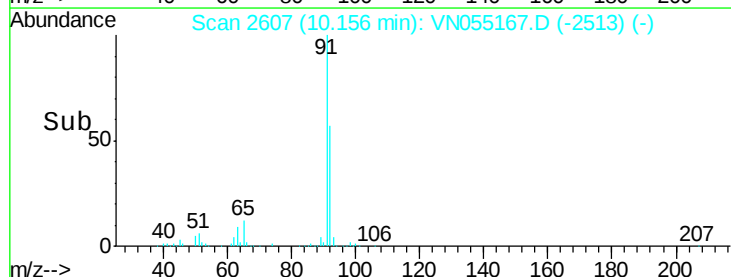
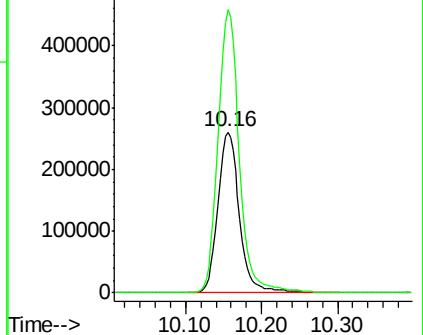
92 100

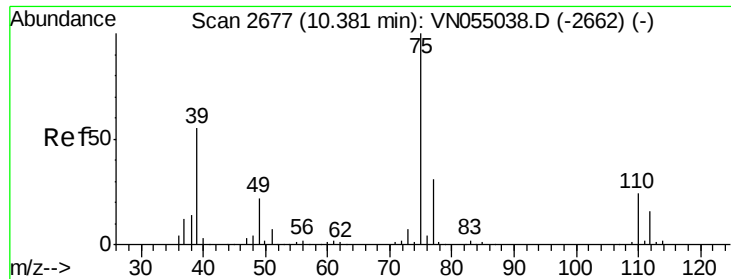
91 174.4 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





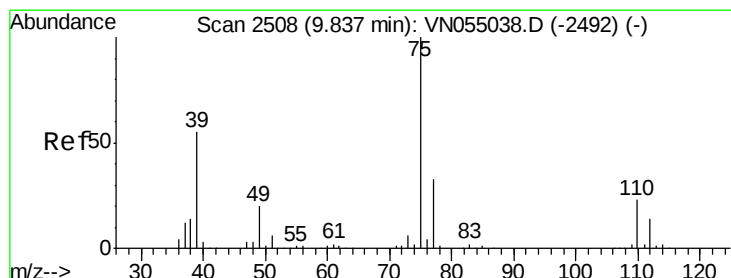
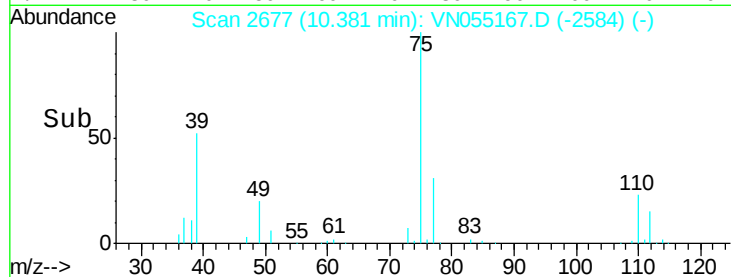
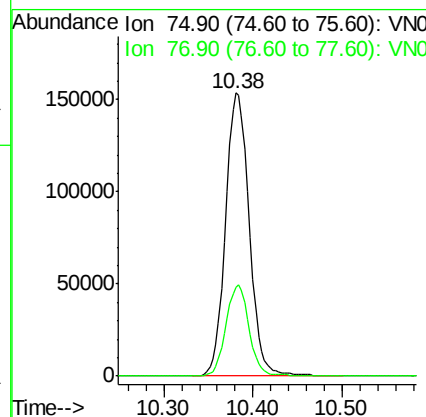
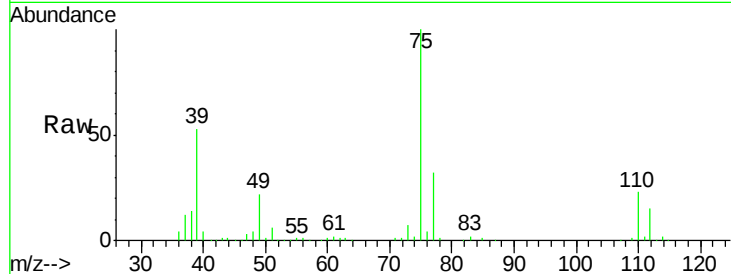
#53
t-1,3-Dichloropropene
Concen: 45.780 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 282558
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

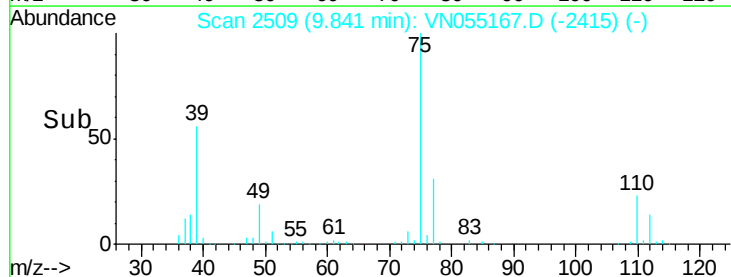
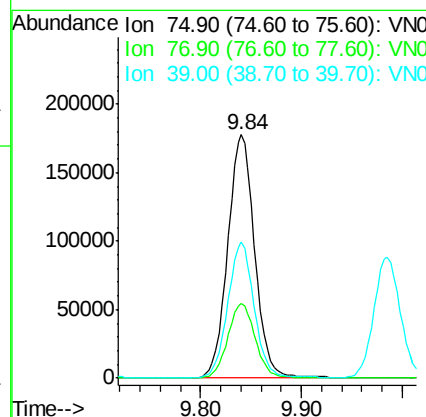
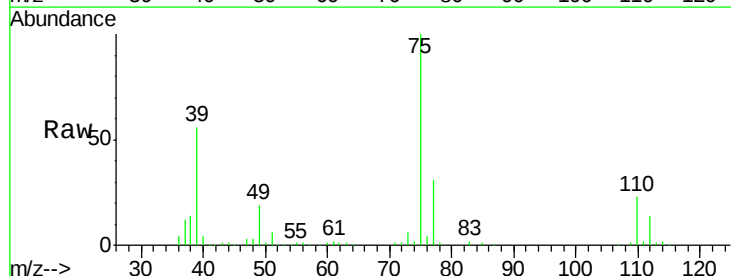
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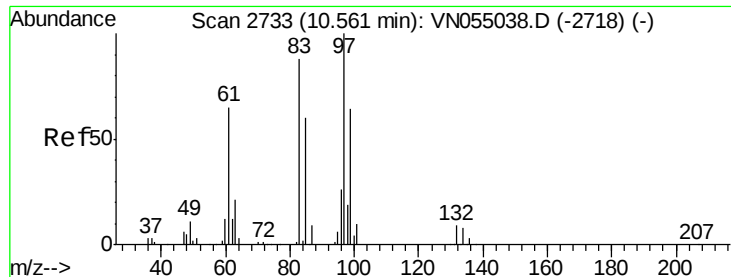
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#54
cis-1,3-Dichloropropene
Concen: 43.294 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 75 Resp: 331648
Ion Ratio Lower Upper
75 100
77 30.8 25.8 38.6
39 55.7 43.8 65.8





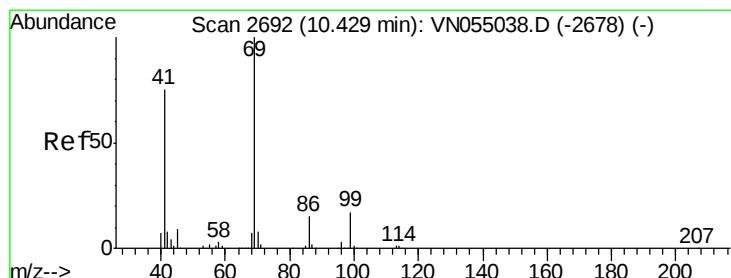
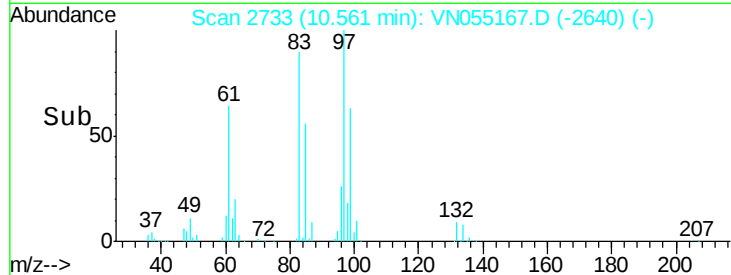
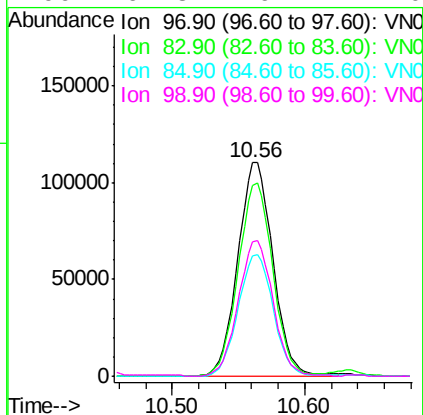
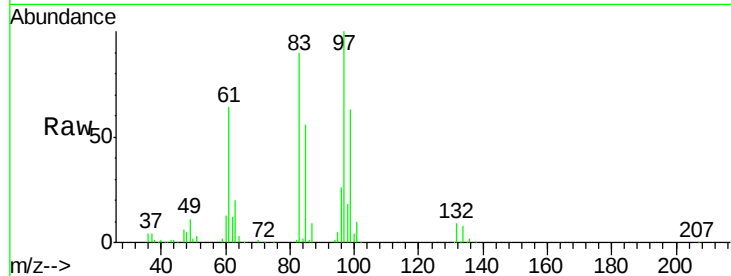
#55
 1,1,2-Trichloroethane
 Concen: 42.725 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	203452
Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.5	105.7
85	56.1	45.5	68.3
99	62.8	49.4	74.0

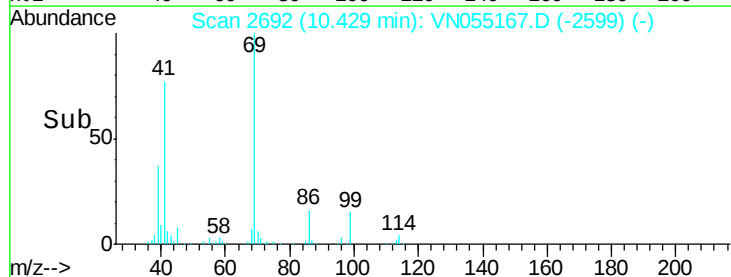
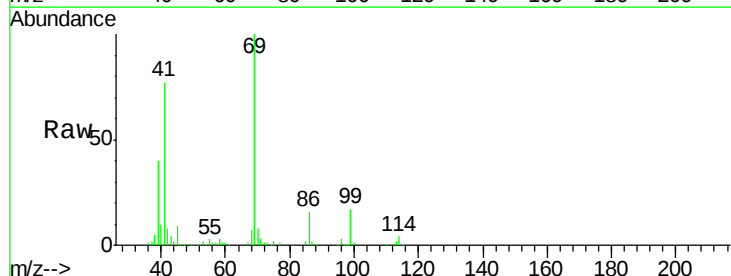
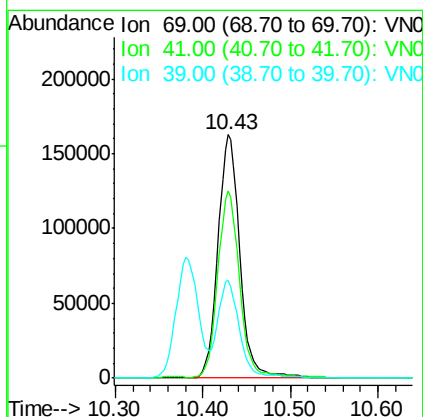
Manual Integrations
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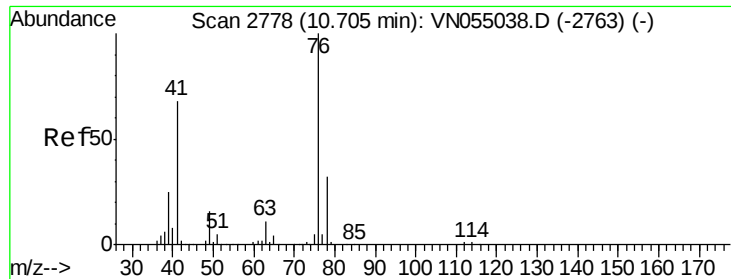
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 49.409 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion:	69	Resp:	282362
Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.4	92.0
39	39.5	30.8	46.2





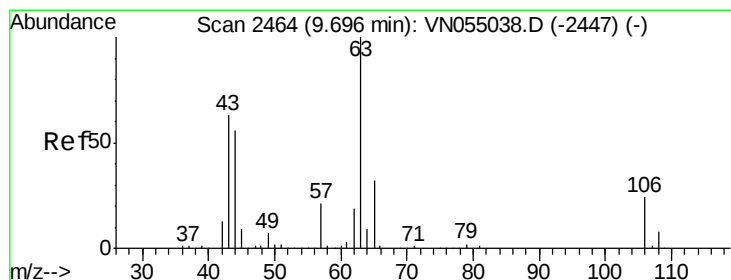
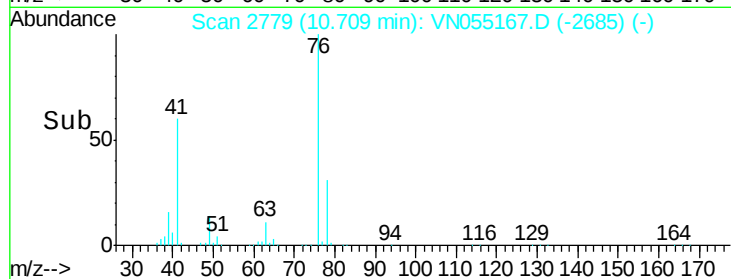
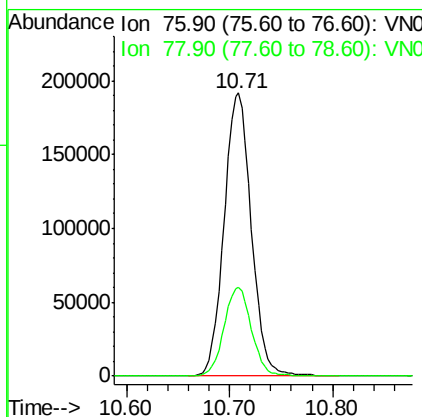
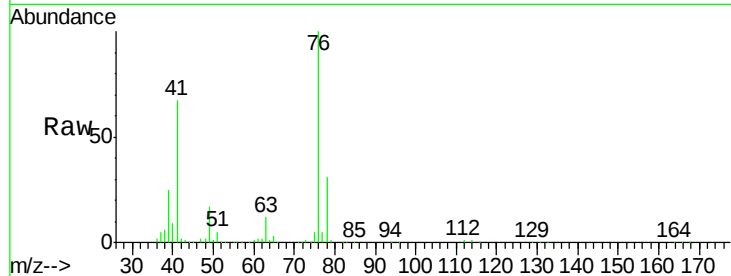
#57
 1,3-Dichloropropane
 Concen: 43.398 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 351852
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

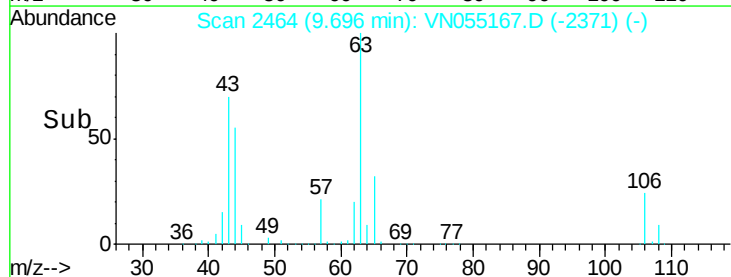
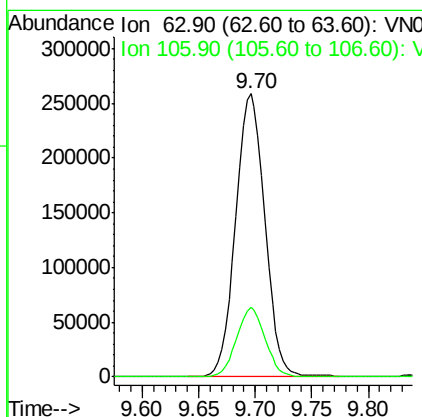
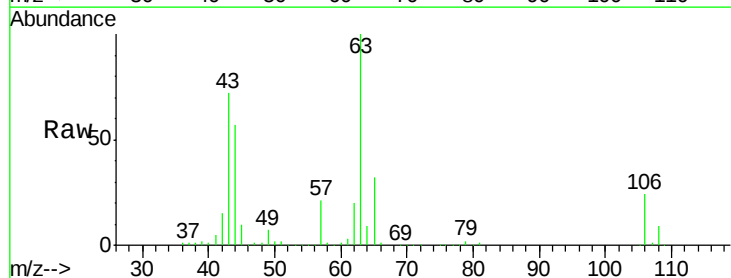
Manual Integrations
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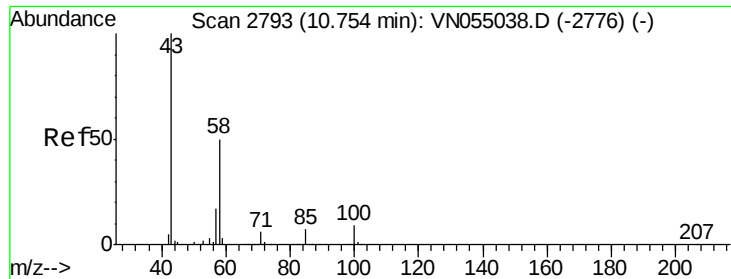
MMDadoda
 4/22/2019 10:07:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 188.817 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion: 63 Resp: 467059
 Ion Ratio Lower Upper
 63 100
 106 24.1 20.0 30.0





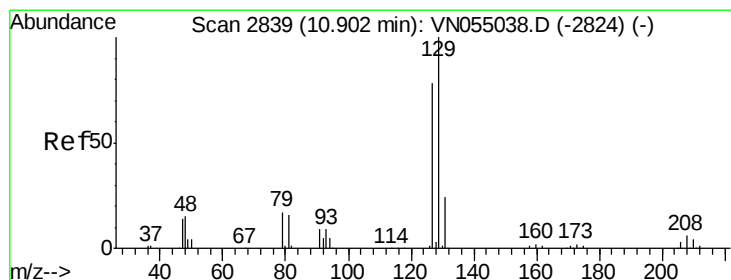
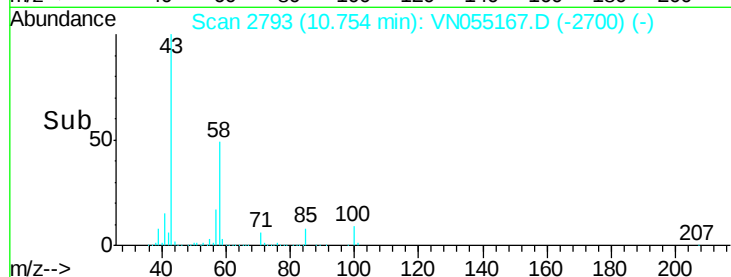
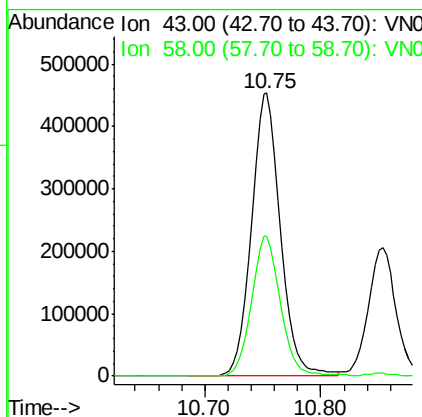
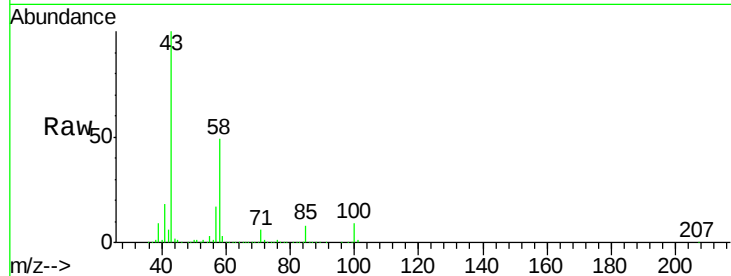
#59
2-Hexanone
Concen: 241.933 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 788522
Ion Ratio Lower Upper
43 100
58 49.8 25.1 75.2

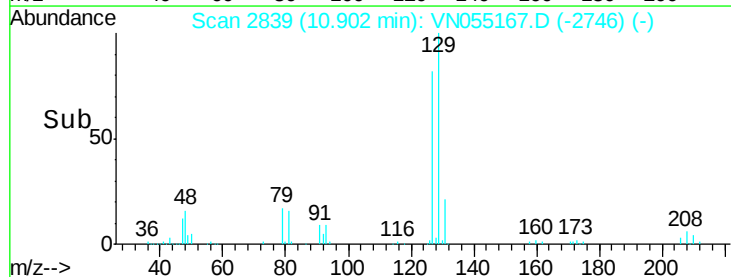
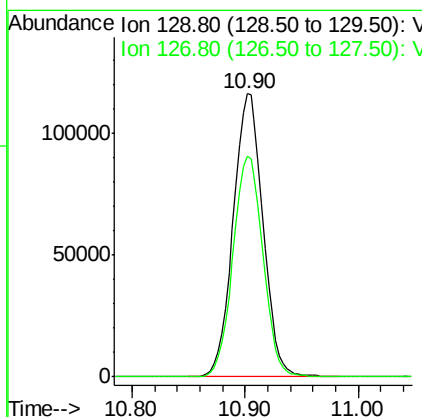
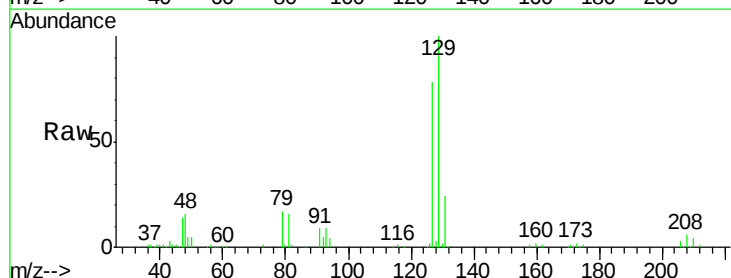
Manual Integrations
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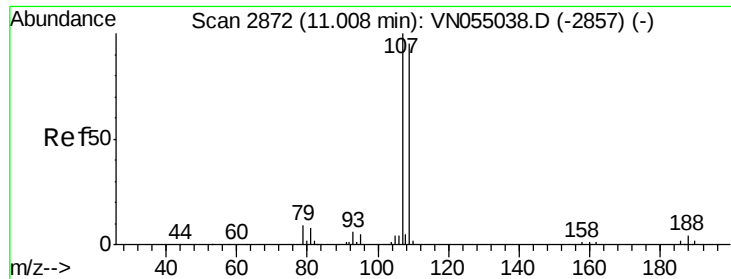
MMDadoda
4/22/2019 10:07:48 AM



#60
Dibromochloromethane
Concen: 45.774 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 129 Resp: 212847
Ion Ratio Lower Upper
129 100
127 78.4 38.2 114.6





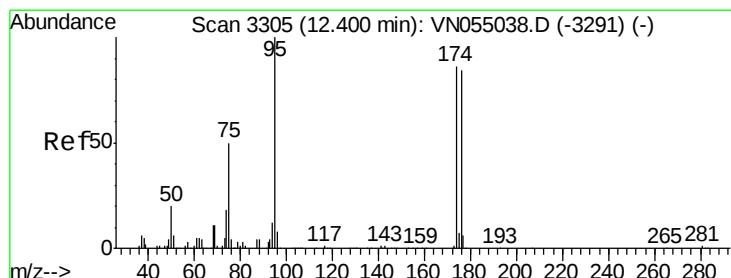
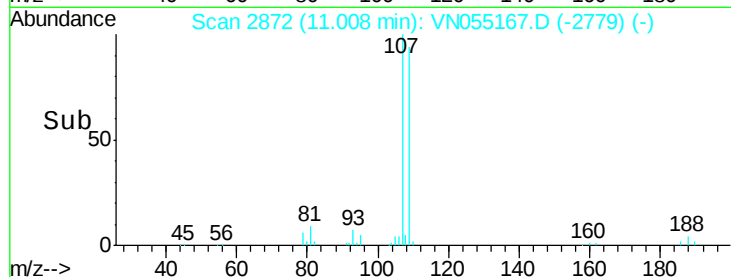
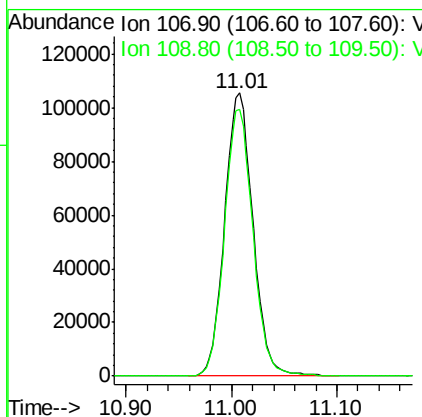
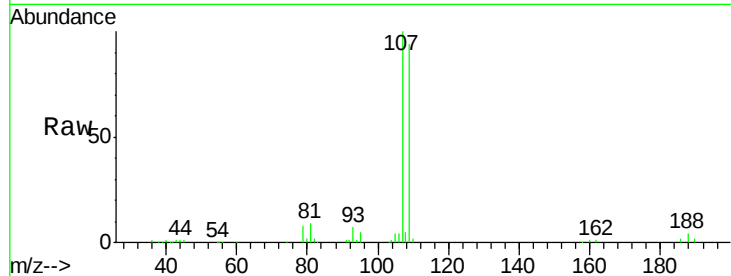
#61
 1,2-Dibromoethane
 Concen: 44.660 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.5	114.7

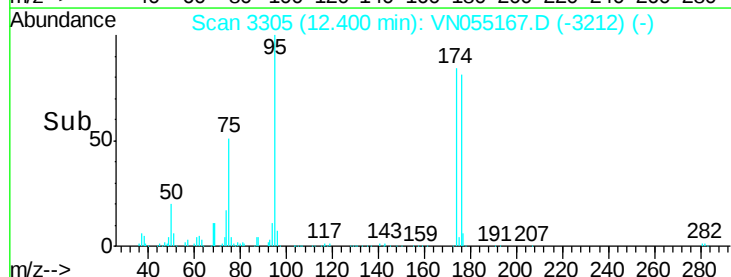
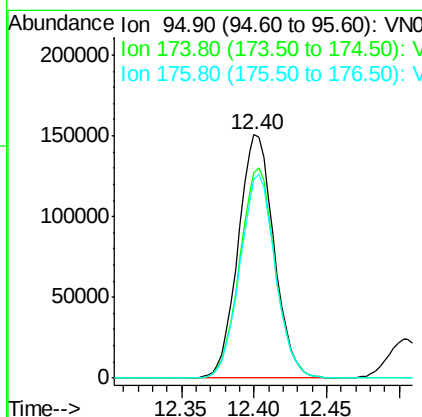
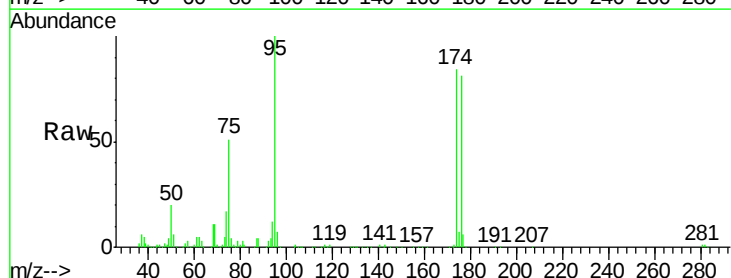
Manual Integrations
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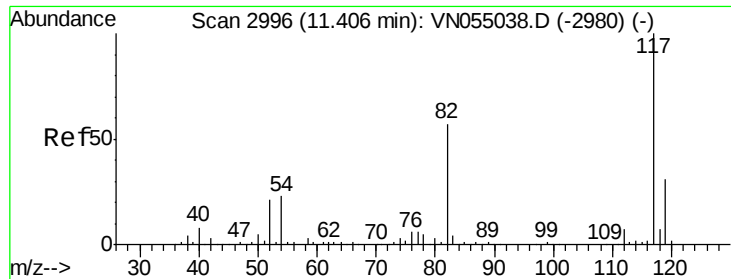
MMDadoda
 4/22/2019 10:07:48 AM



#62
 4-Bromofluorobenzene
 Concen: 43.897 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	174.4
176	82.6	0.0	166.8





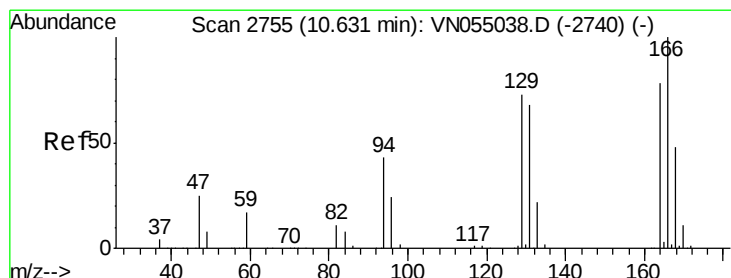
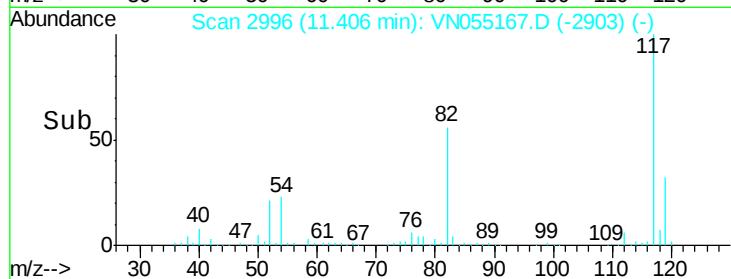
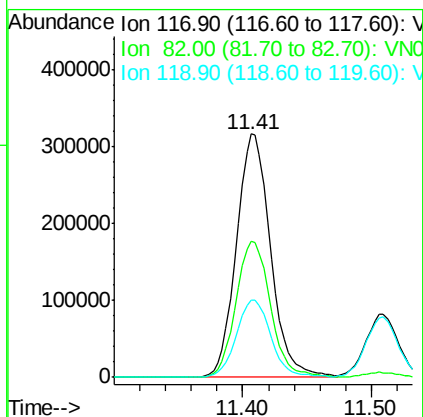
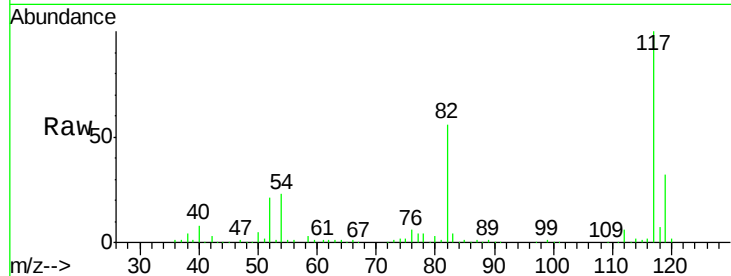
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.6	66.8
119	31.9	25.5	38.3

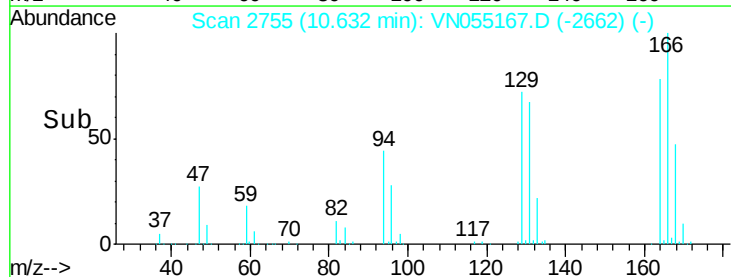
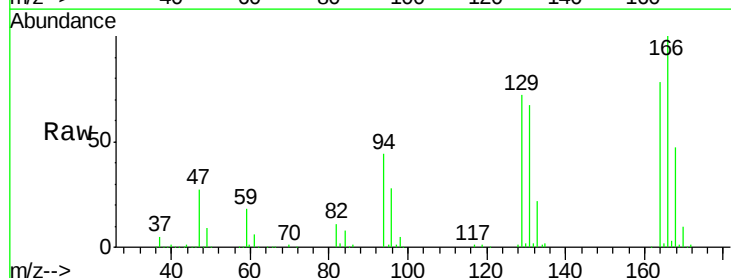
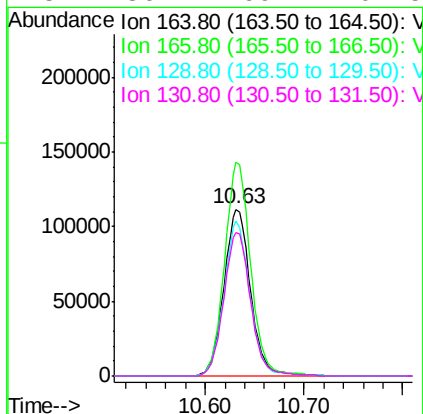
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#64
Tetrachloroethene
Concen: 44.452 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	100.0	150.0
129	92.9	72.0	108.0
131	86.4	69.7	104.5





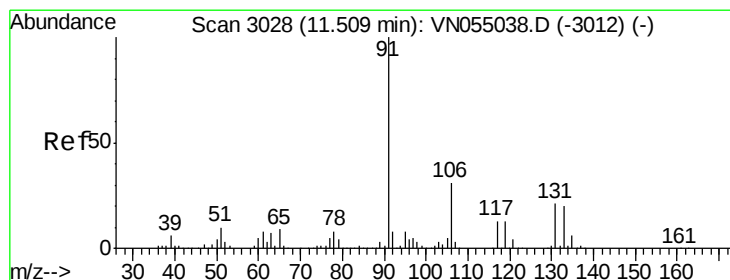
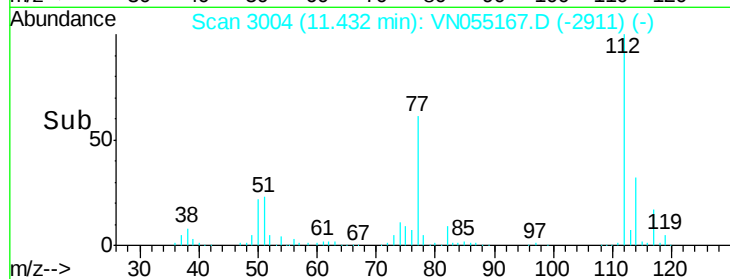
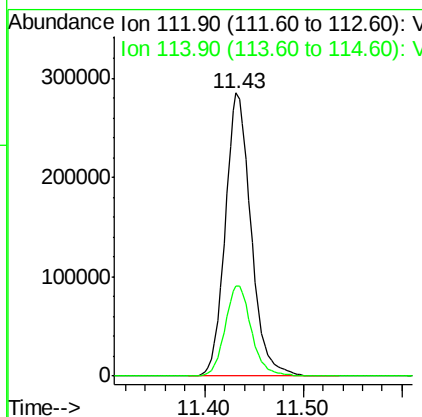
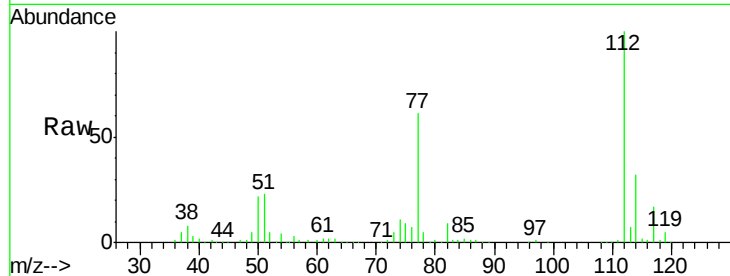
#65
Chlorobenzene
Concen: 44.344 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 520365
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

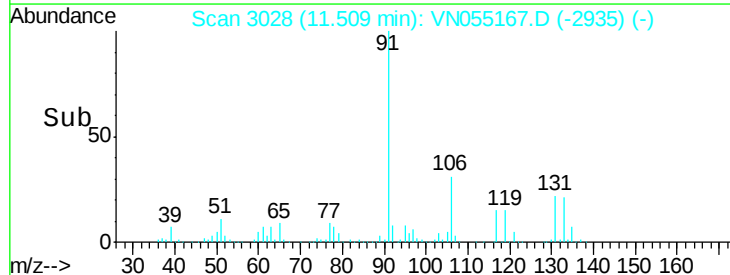
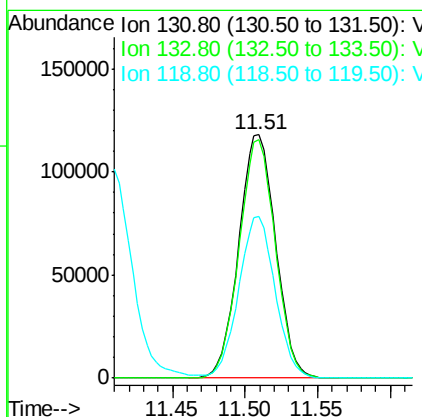
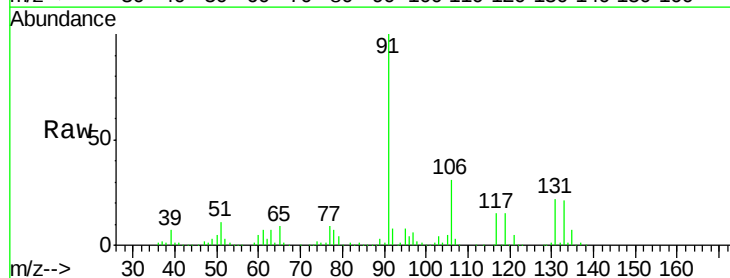
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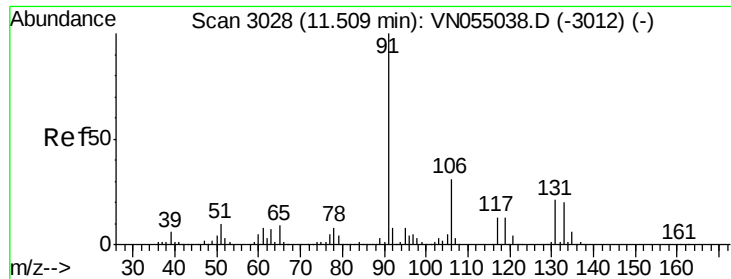
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.392 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion:131 Resp: 208858
Ion Ratio Lower Upper
131 100
133 96.2 47.8 143.3
119 65.6 33.6 100.6





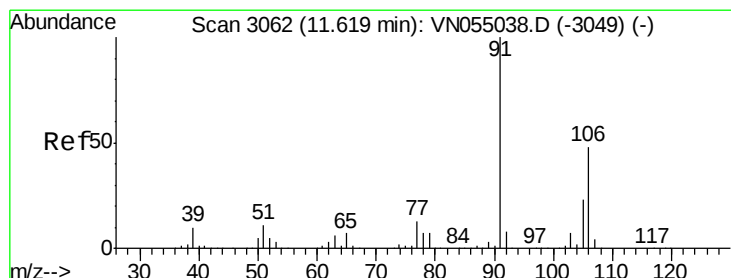
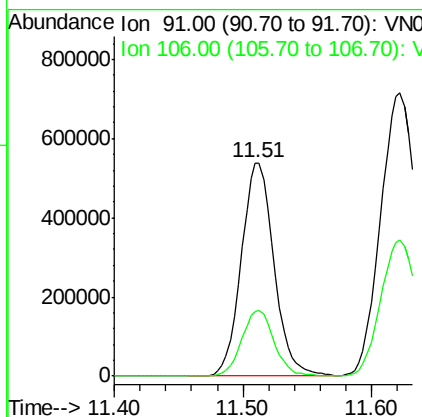
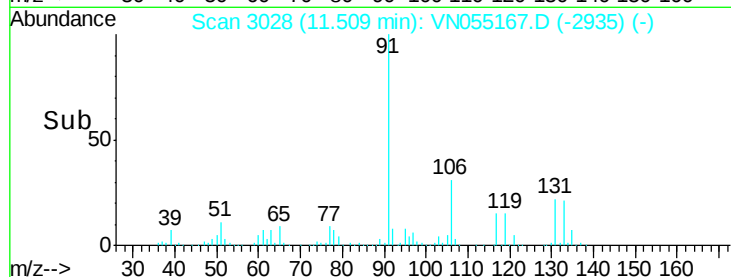
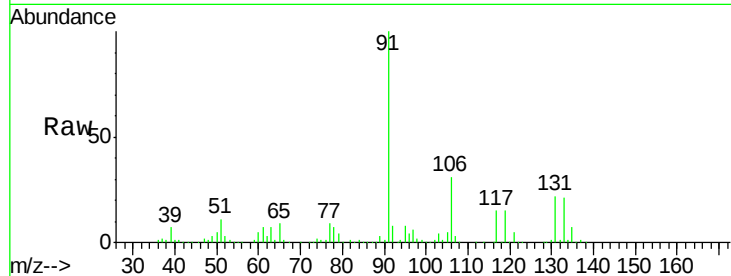
#67
Ethyl Benzene
Concen: 45.413 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 951671
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

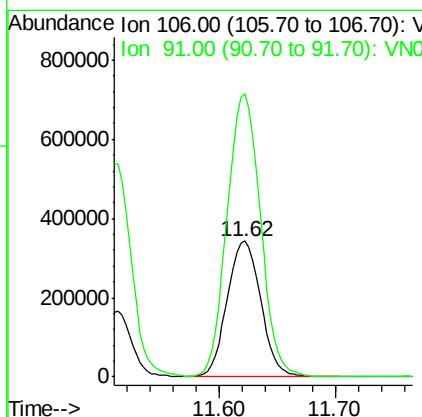
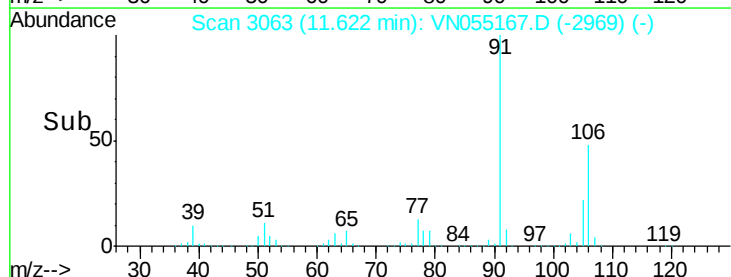
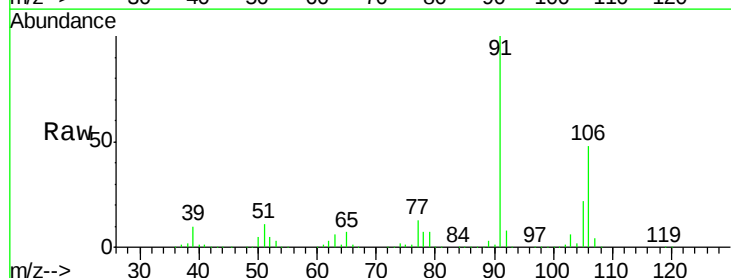
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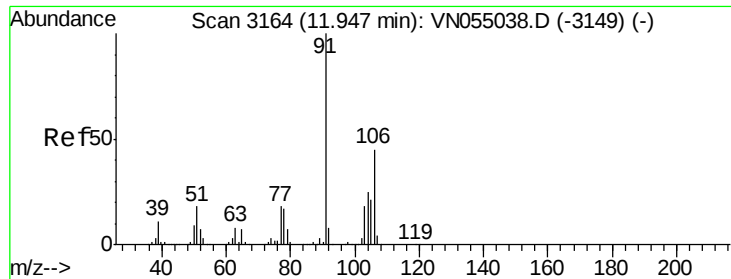
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#68
m/p-Xylenes
Concen: 90.577 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion: 106 Resp: 687342
Ion Ratio Lower Upper
106 100
91 207.8 165.9 248.9





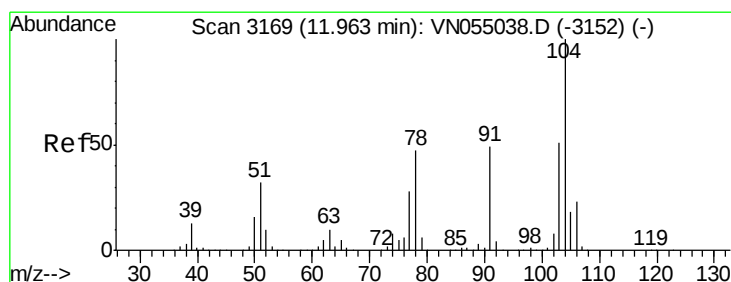
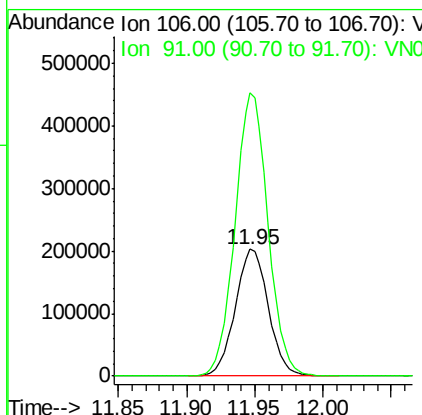
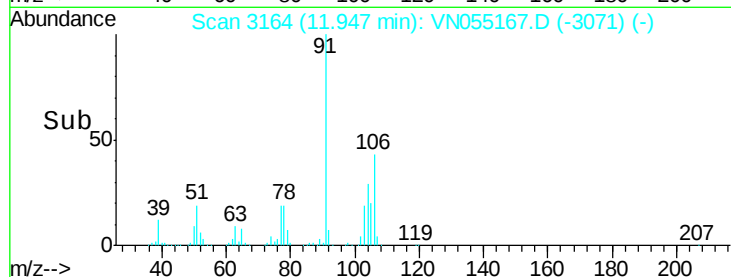
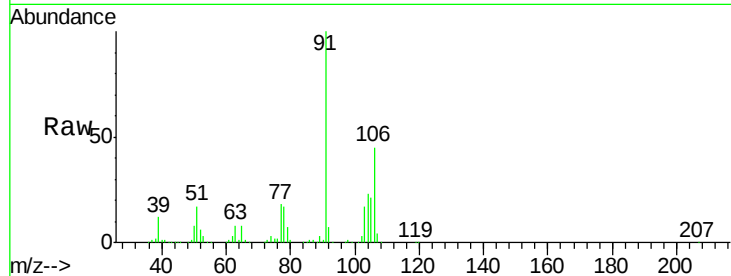
#69
o-Xylene
Concen: 46.418 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 341167
Ion Ratio Lower Upper
106 100
91 221.9 109.9 329.8

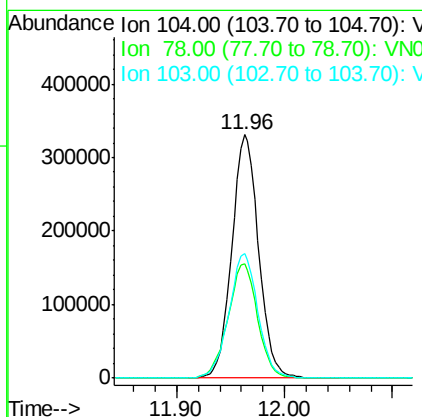
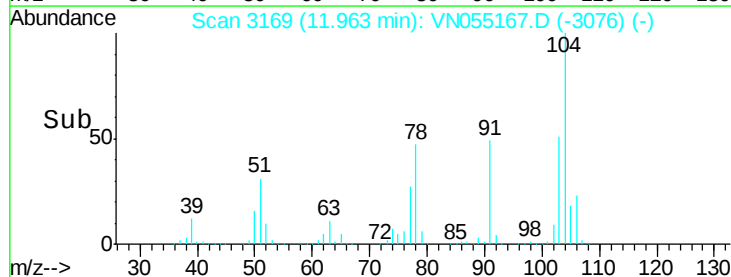
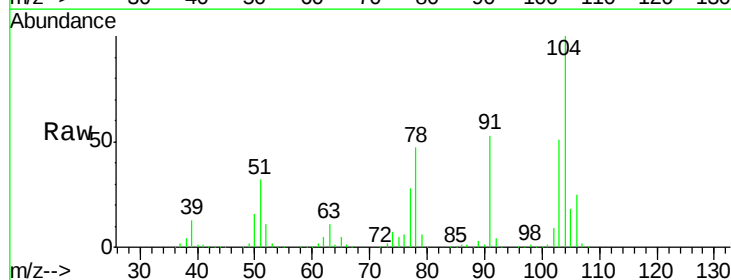
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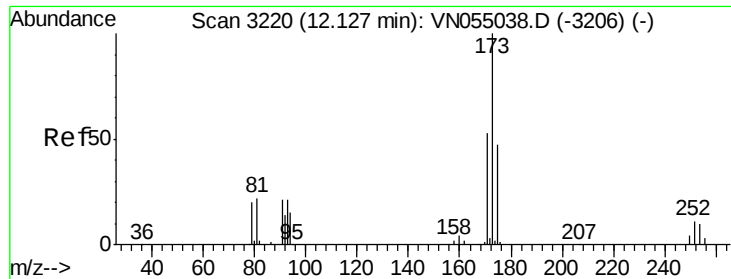
MMDadoda
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#70
Styrene
Concen: 48.184 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion:104 Resp: 573255
Ion Ratio Lower Upper
104 100
78 51.8 40.3 60.5
103 55.4 44.3 66.5





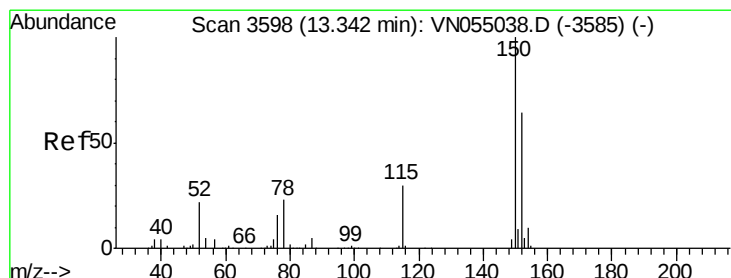
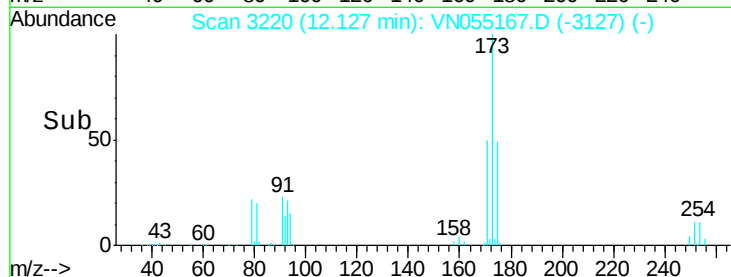
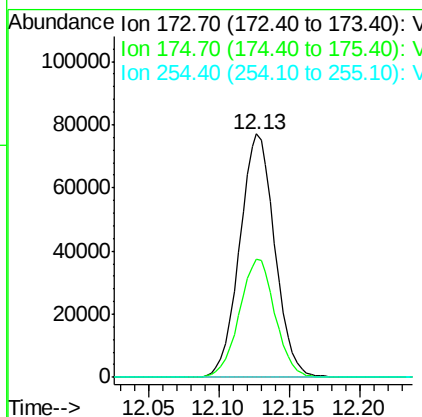
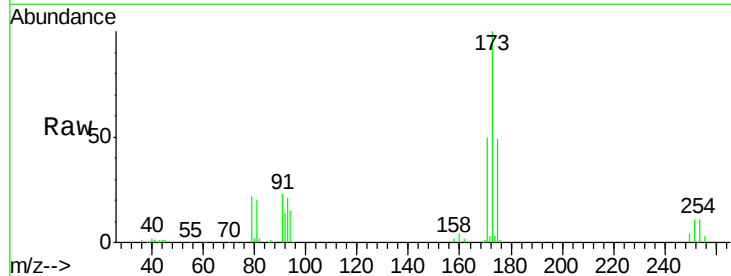
#71
Bromoform
Concen: 54.261 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	73.0
254	0.0	0.1	0.1

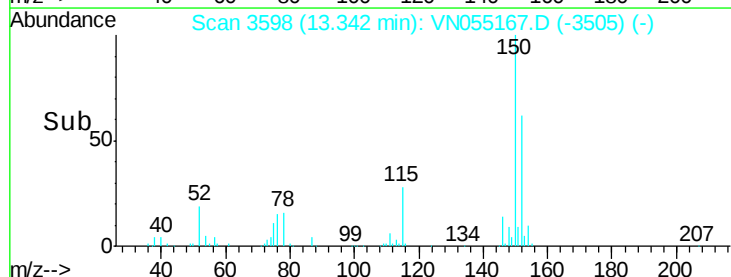
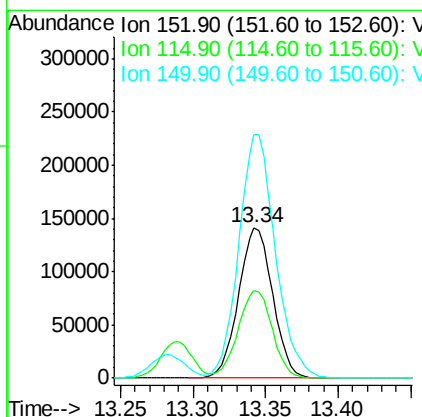
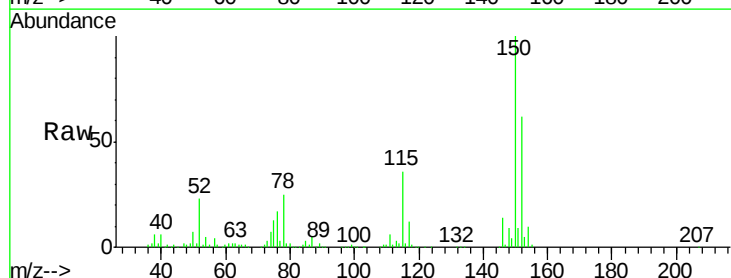
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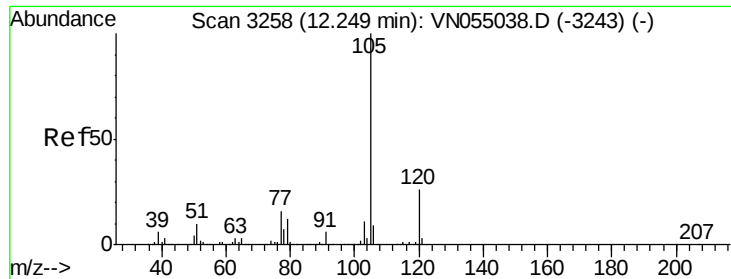
MMDadoda
4/22/2019 10:07:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.5	85.6
150	174.1	0.0	347.2





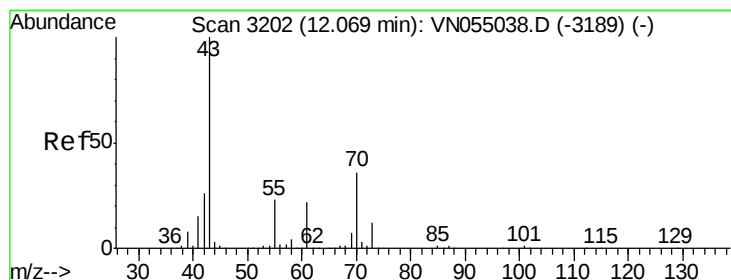
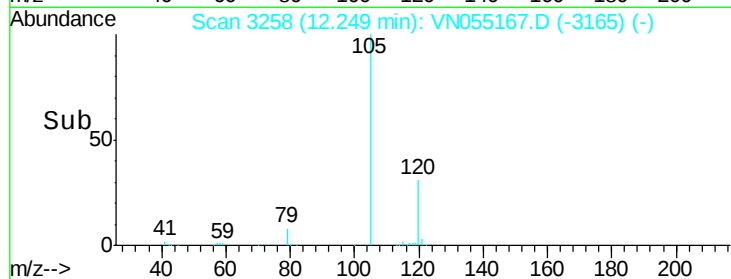
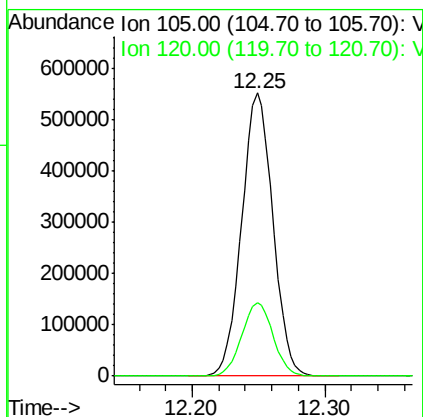
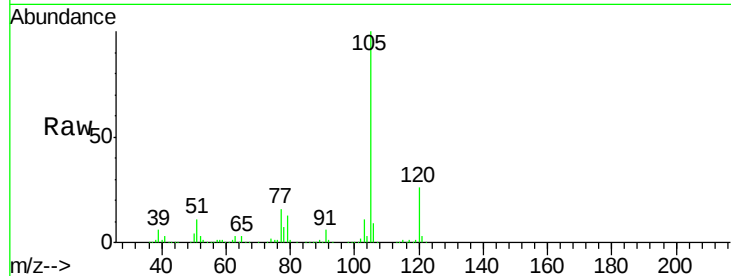
#73
Isopropylbenzene
Concen: 44.028 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.3	39.9

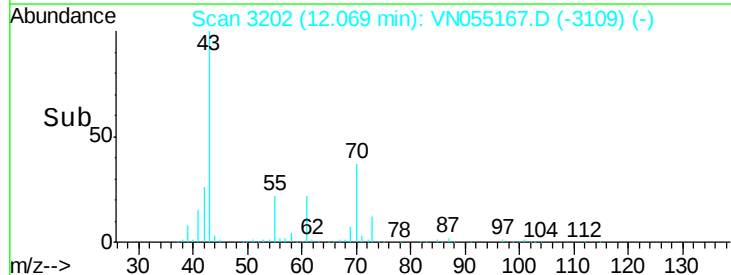
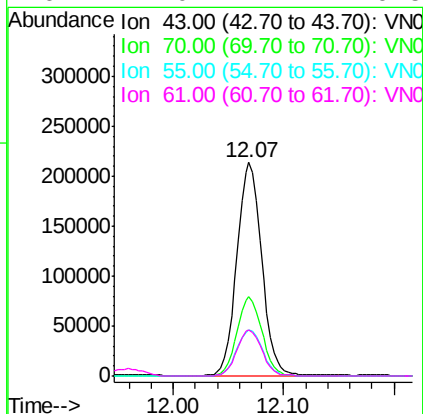
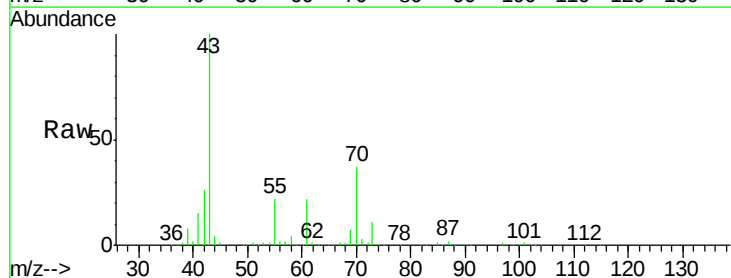
Manual Integrations
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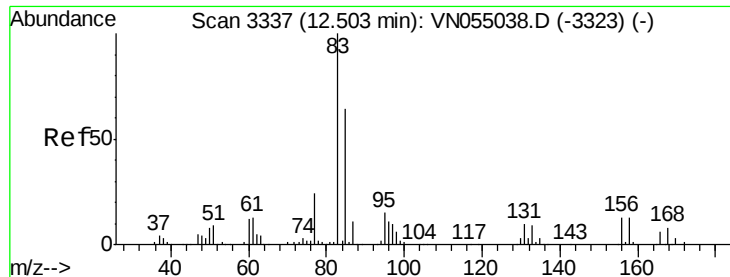
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#74
N-ethyl acetate
Concen: 57.795 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.4	29.4	44.0
55	22.8	19.0	28.4
61	22.0	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.374 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

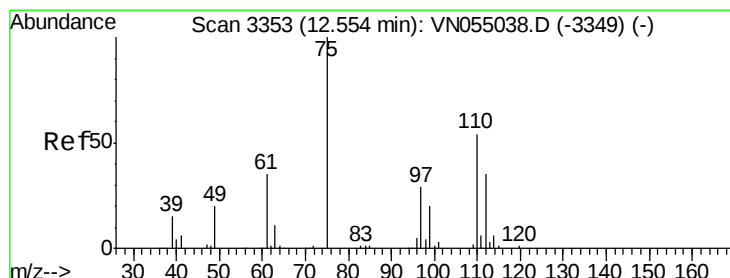
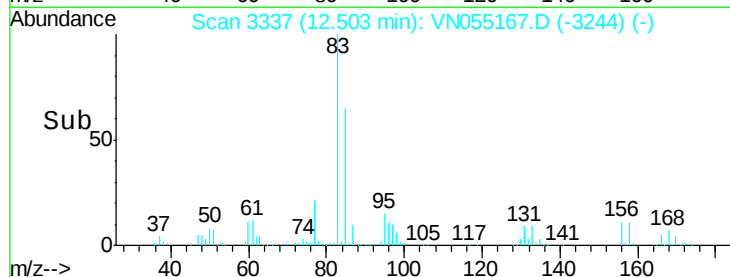
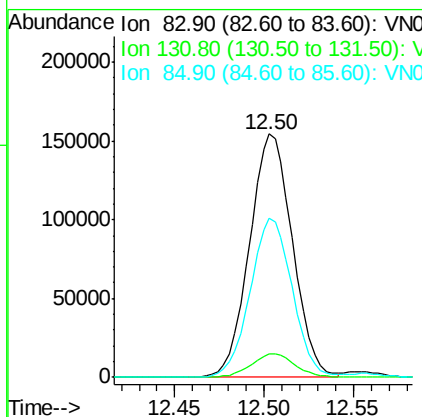
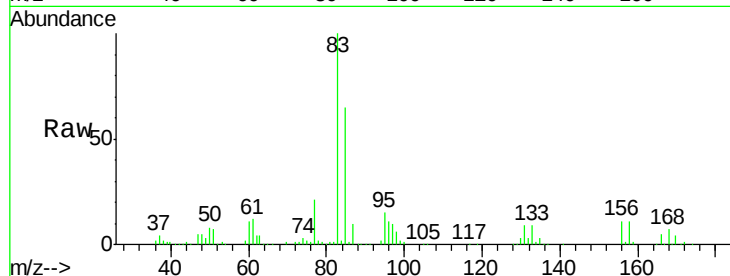
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	259361
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	64.2	32.3	96.9

Manual Integrations
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4/22/2019 10:07:48 AM



#76

1,2,3-Trichloropropane

Concen: 50.806 ug/l m

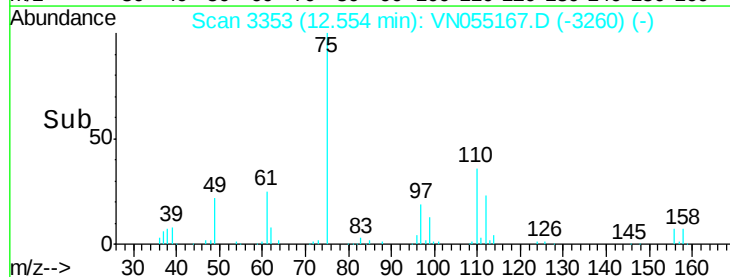
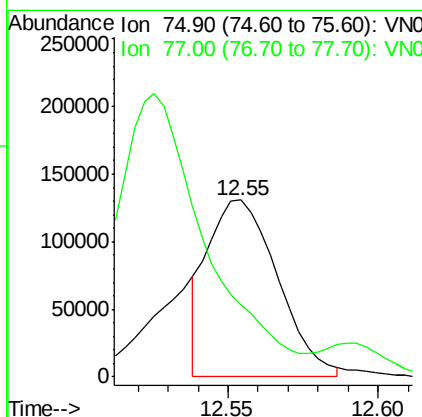
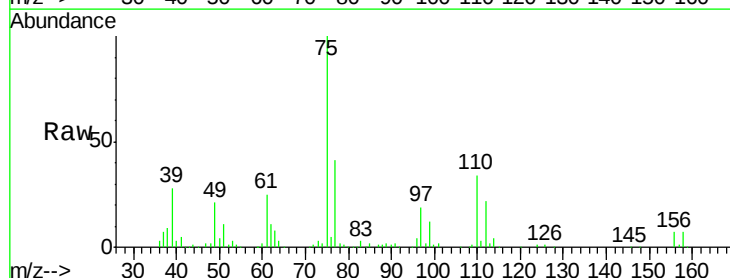
RT: 12.55 min Scan# 3353

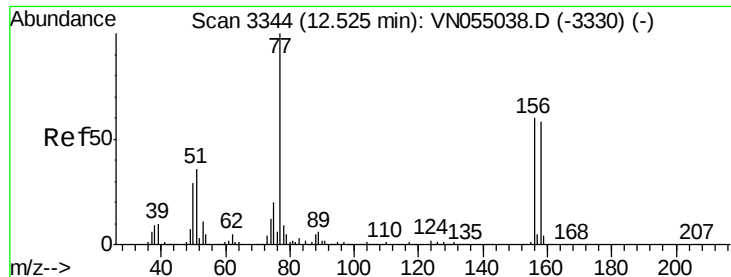
Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion:	75	Resp:	210653
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 43.649 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

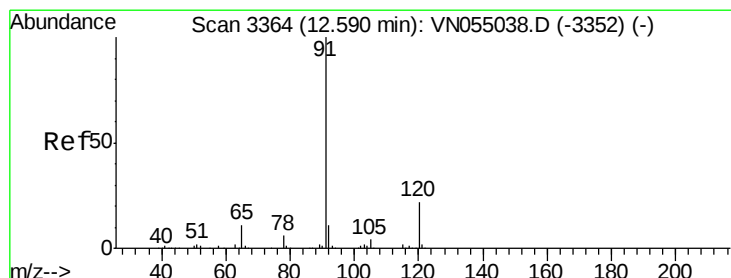
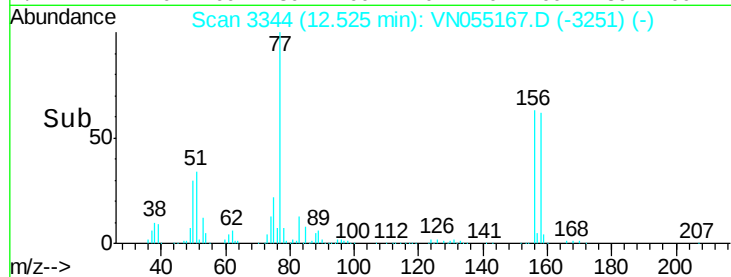
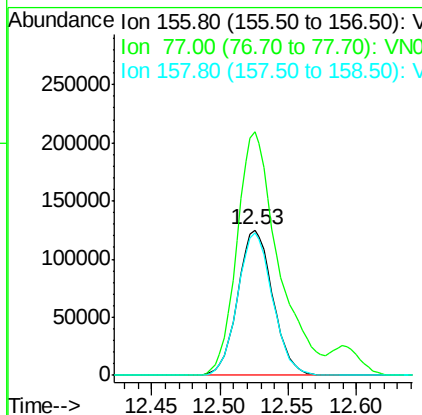
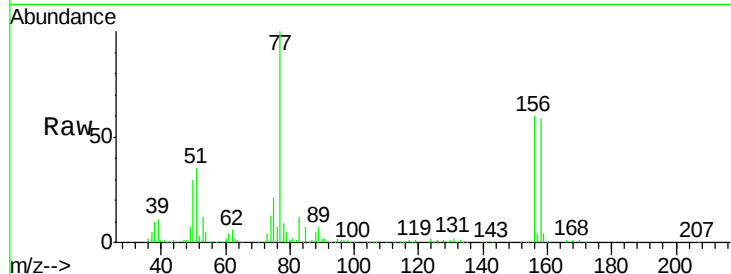
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		222644		
77	198.7	97.2	291.5		
158	97.9	48.6	145.9		

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#78

n-propylbenzene

Concen: 44.952 ug/l

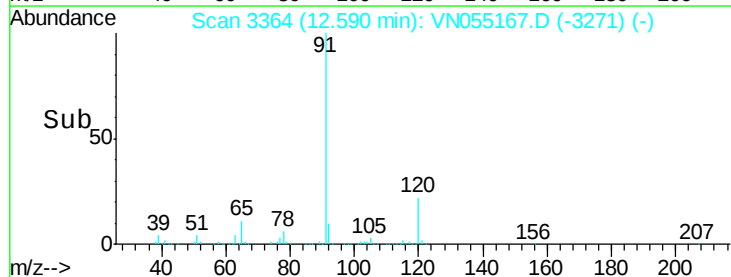
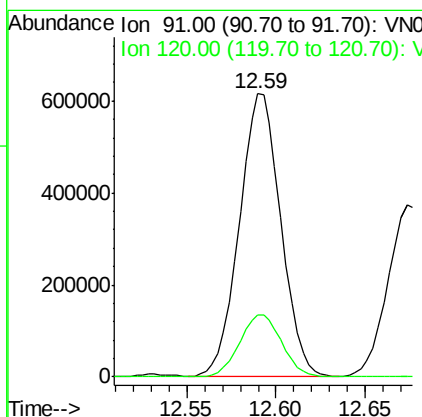
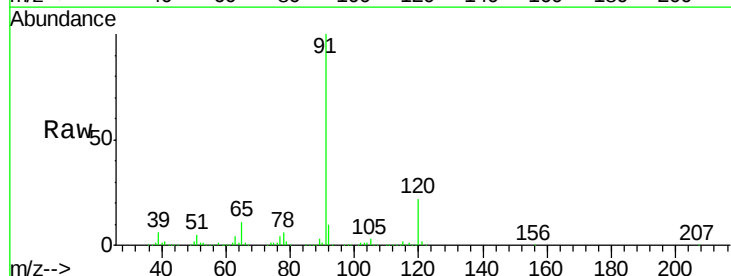
RT: 12.59 min Scan# 3364

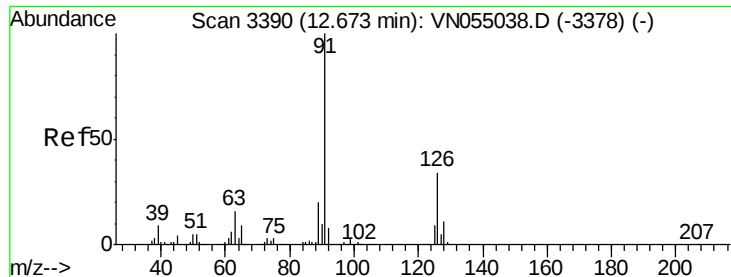
Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		993678		
120	22.5	11.2	33.5		





#79

2-Chlorotoluene

Concen: 44.796 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 617647

Ion Ratio Lower Upper

91 100

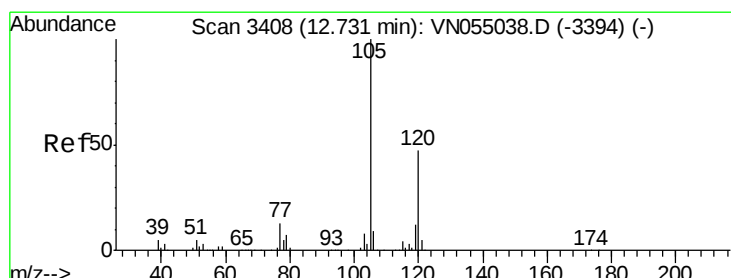
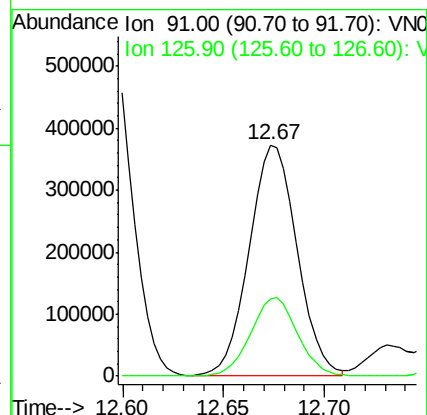
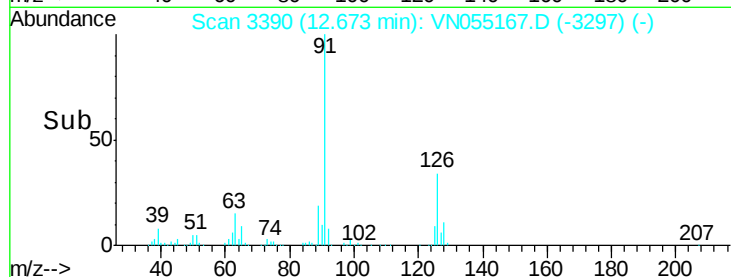
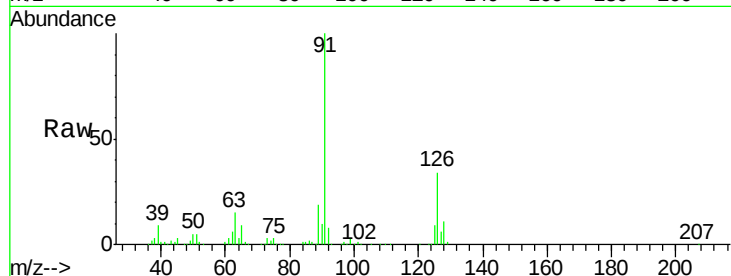
126 33.5 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 44.487 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055167.D

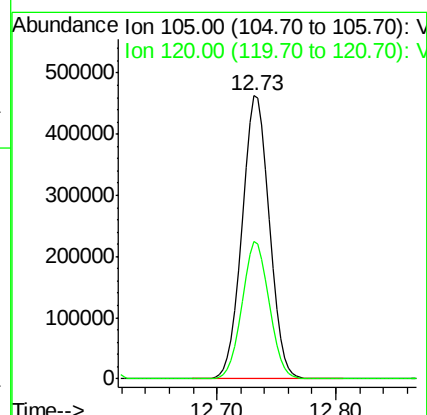
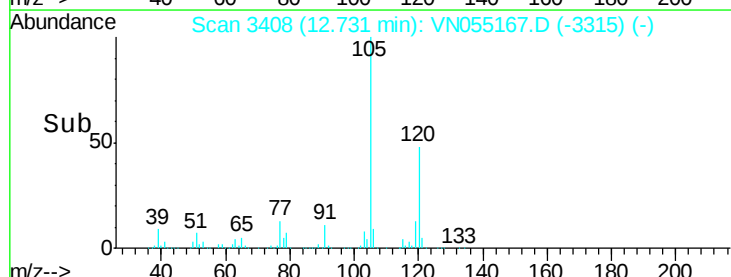
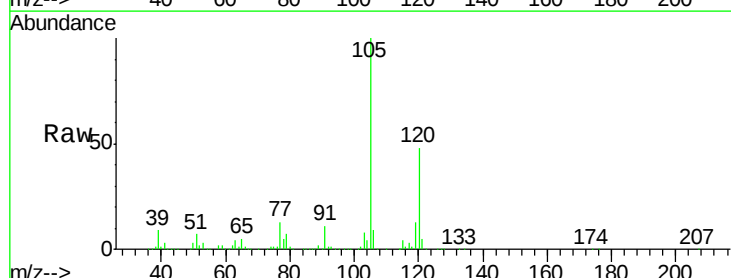
Acq: 20 Apr 2019 3:36

Tgt Ion: 105 Resp: 734531

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.280 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

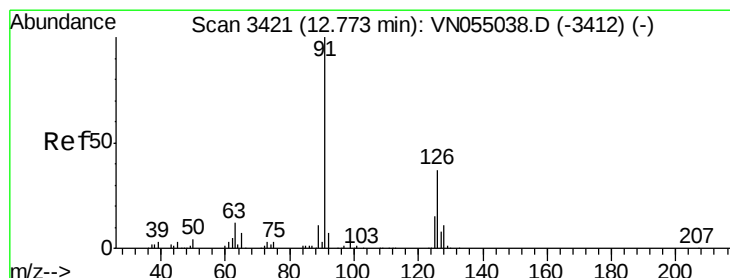
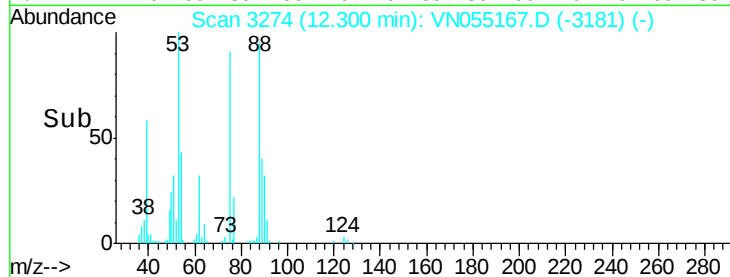
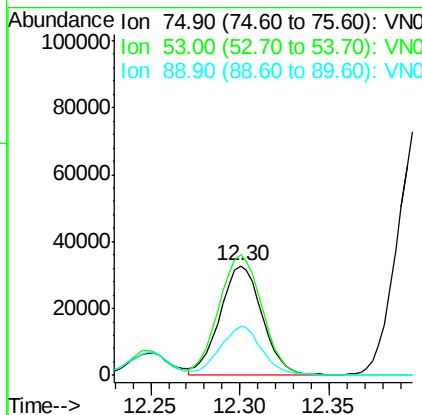
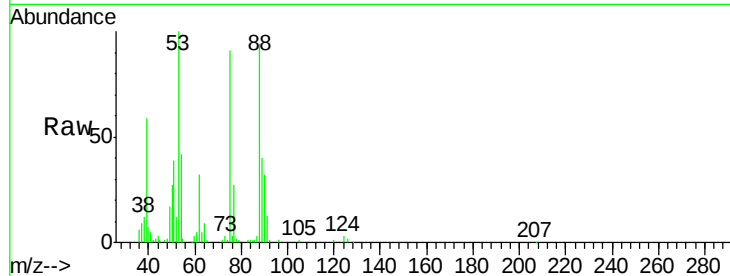
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	54206
Ion	Ratio	Lower	Upper
75	100		
53	113.5	96.3	144.5
89	44.2	38.6	57.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.124 ug/l

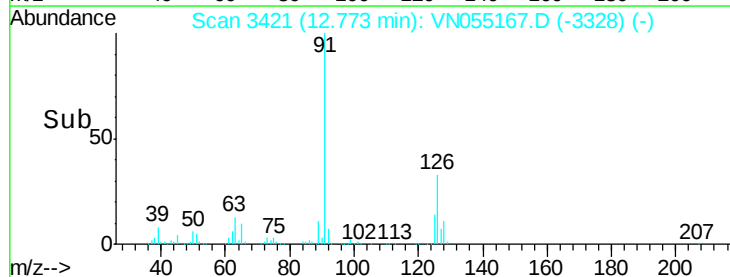
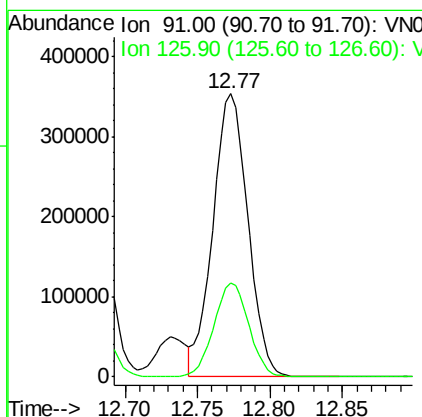
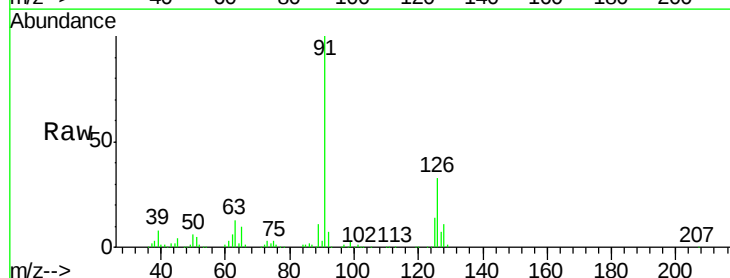
RT: 12.77 min Scan# 3421

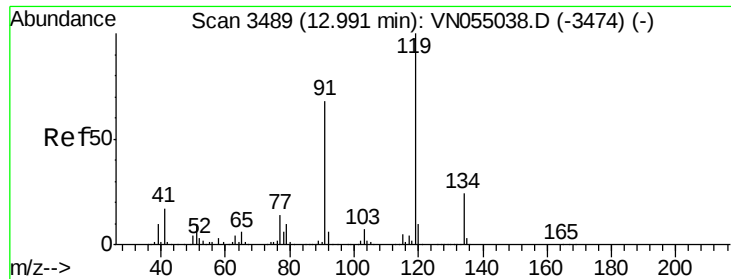
Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion:	91	Resp:	593330
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.2





#83

tert-Butylbenzene

Concen: 45.155 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

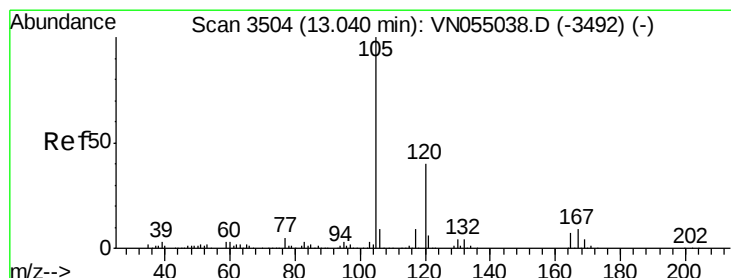
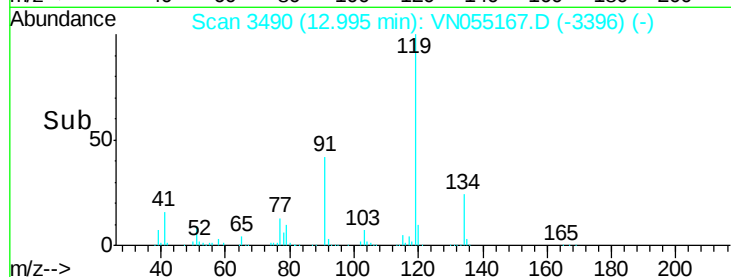
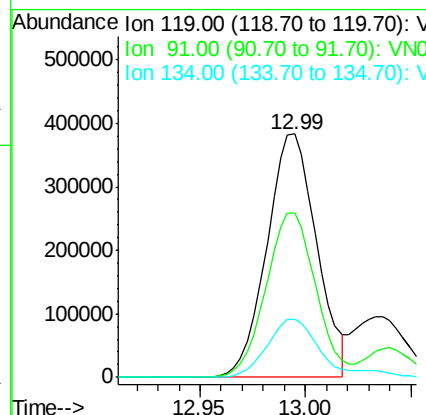
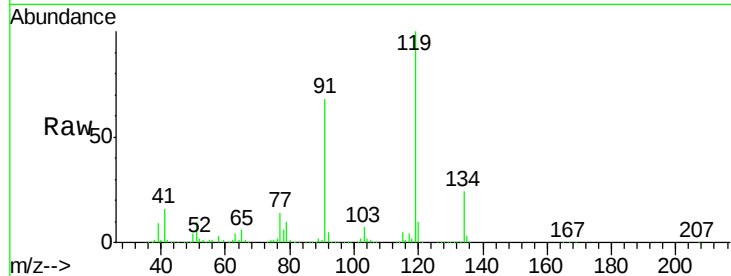
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	629643
Ion Ratio	Lower	Upper	
119	100		
91	67.4	33.3	99.8
134	24.5	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 46.119 ug/l

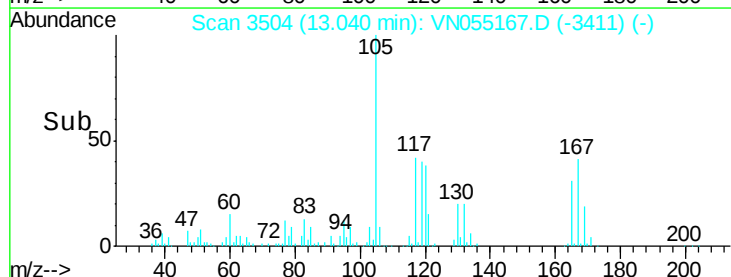
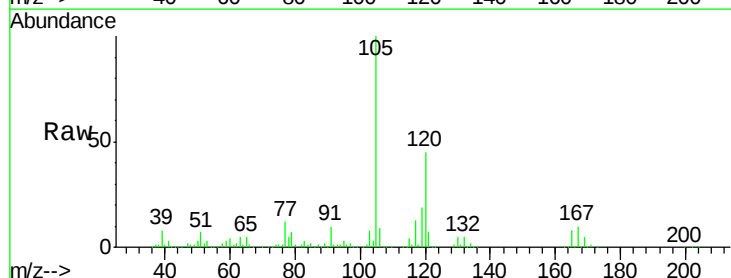
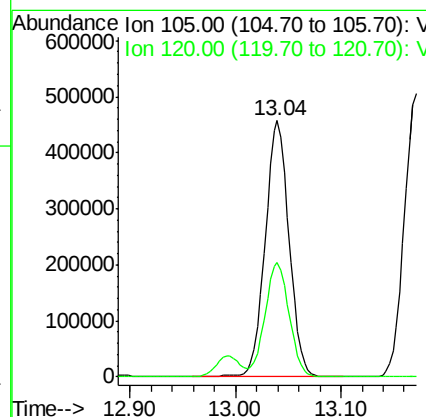
RT: 13.04 min Scan# 3504

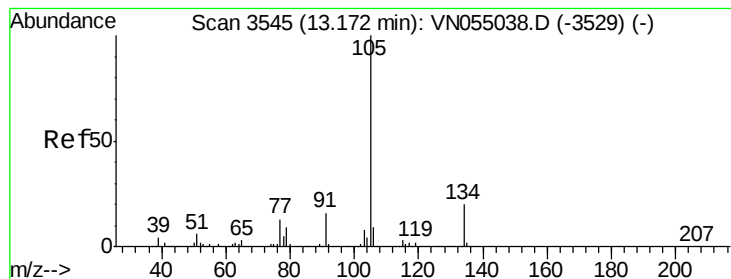
Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion:	105	Resp:	721639
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.4	67.3





#85

sec-Butylbenzene

Concen: 45.128 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 801825

Ion Ratio Lower Upper

105 100

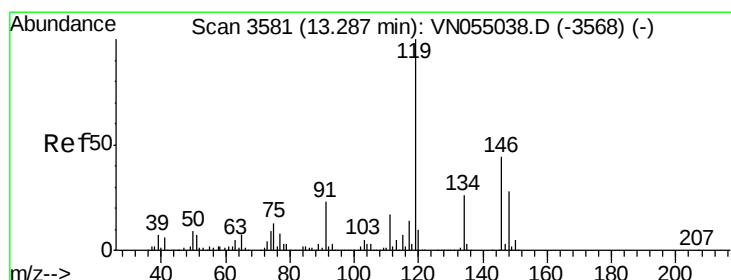
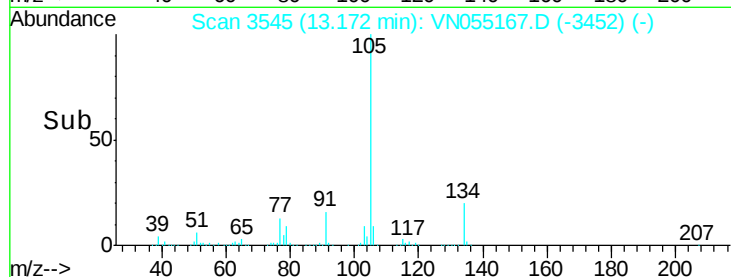
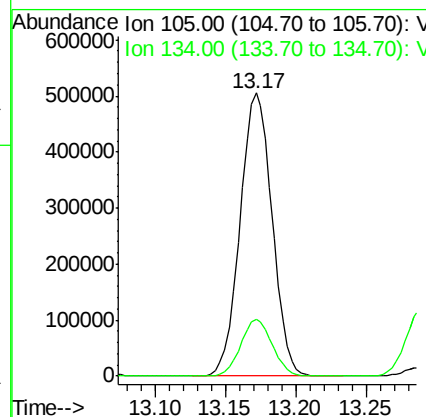
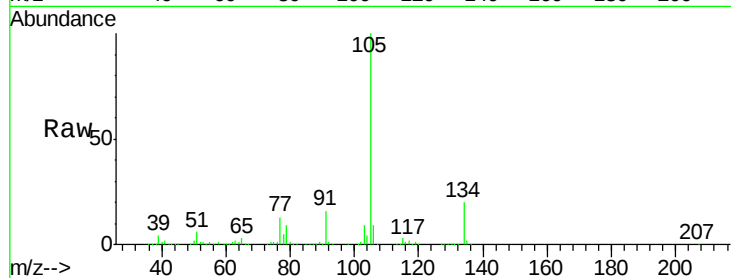
134 19.8 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 45.639 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

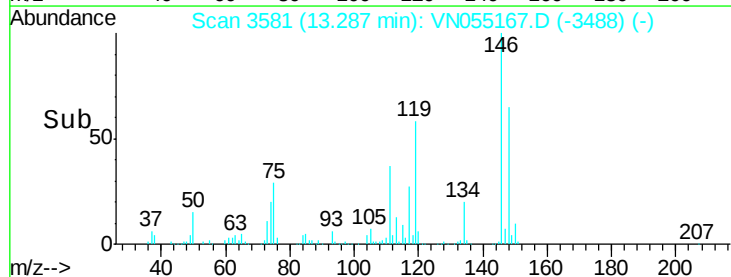
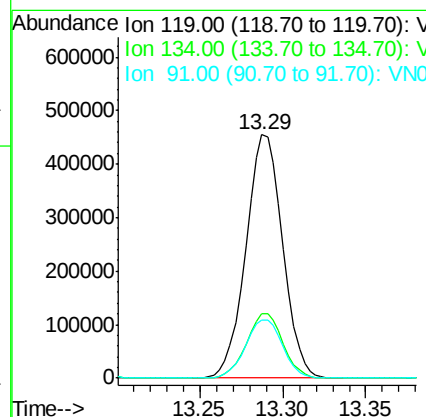
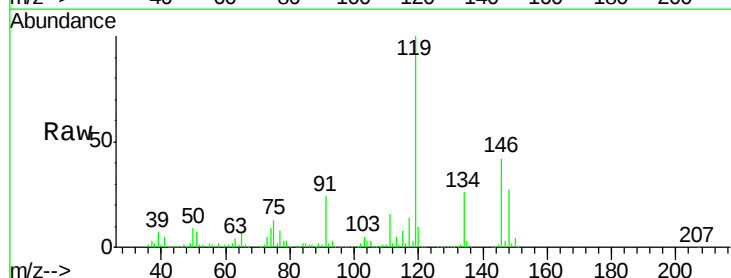
Tgt Ion:119 Resp: 695708

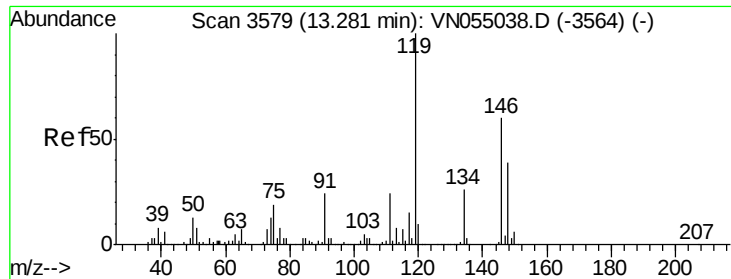
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 24.2 11.7 35.1





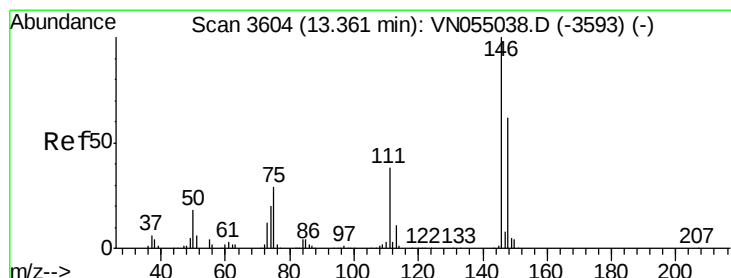
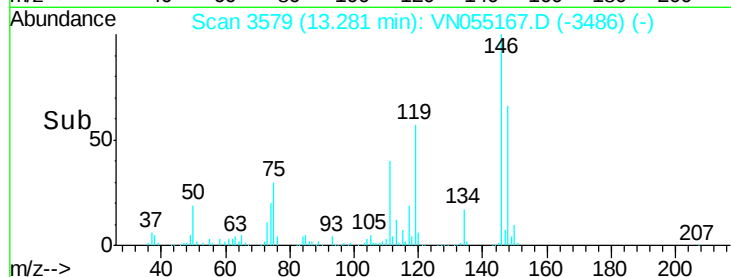
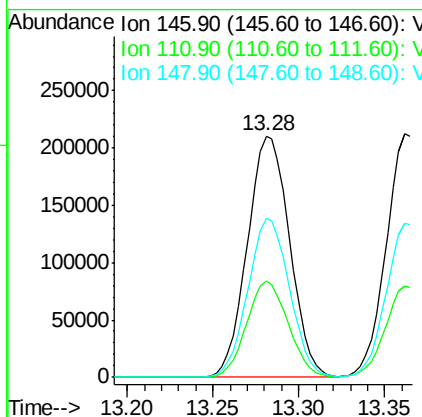
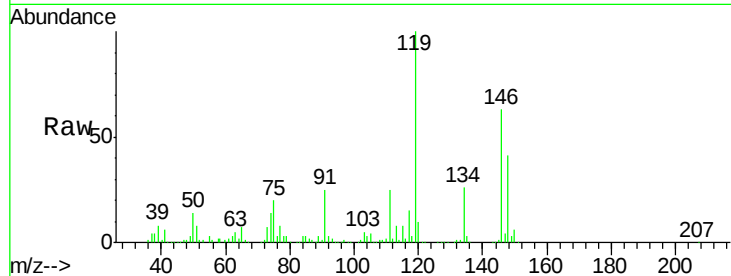
#87
 1,3-Dichlorobenzene
 Concen: 46.141 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	64.9	31.6	94.7

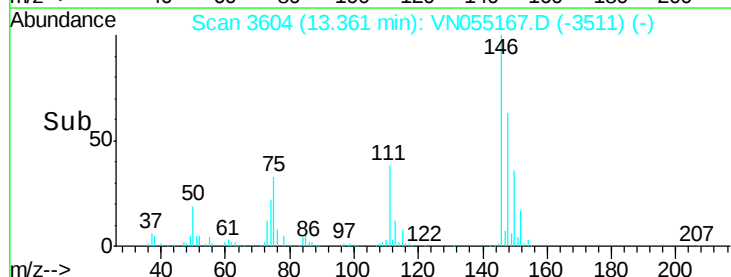
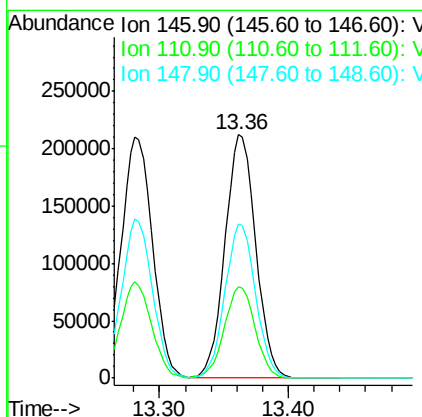
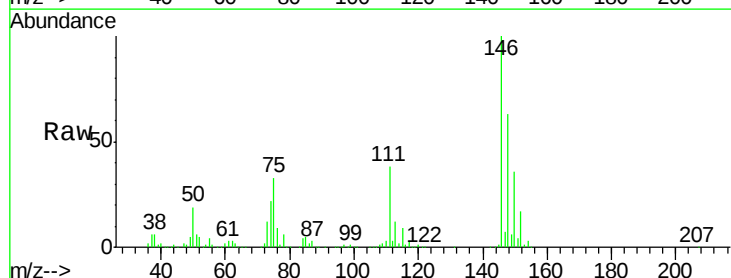
Manual Integrations
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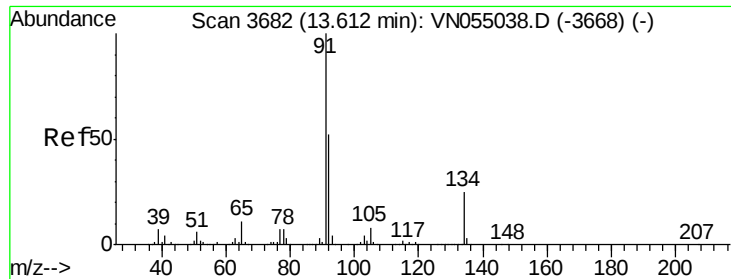
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#88
 1,4-Dichlorobenzene
 Concen: 47.427 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	63.1	32.4	97.2





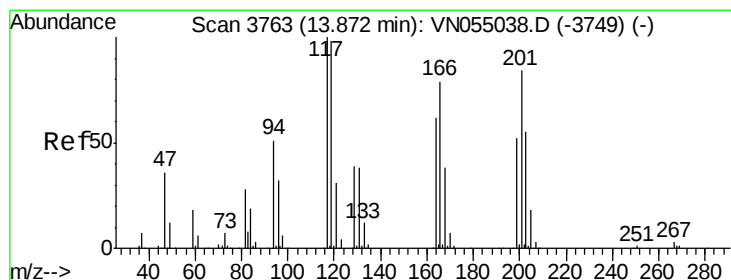
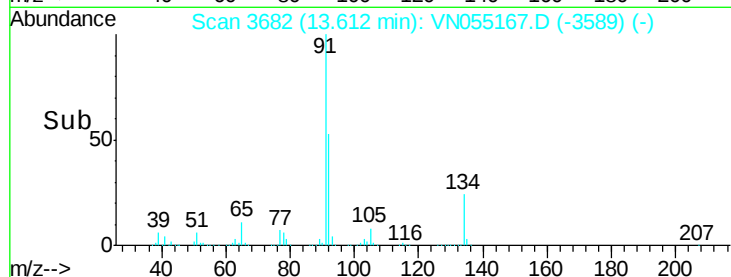
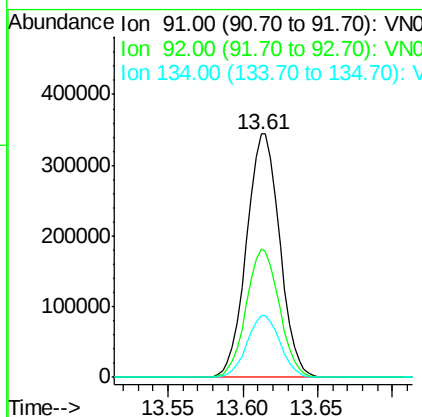
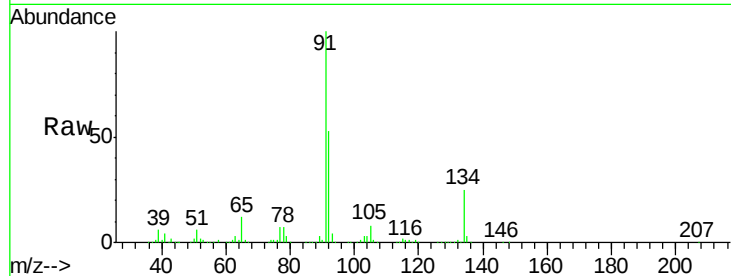
#89
n-Butylbenzene
Concen: 47.074 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	25.9	77.7
134	25.2	12.8	38.3

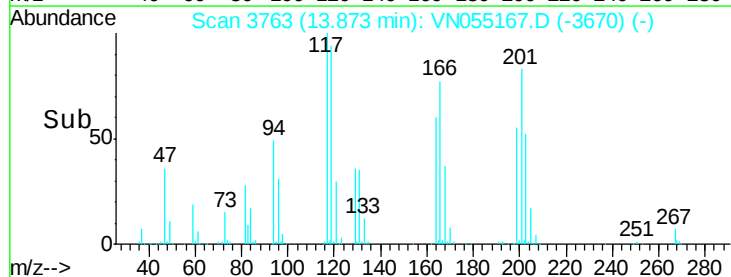
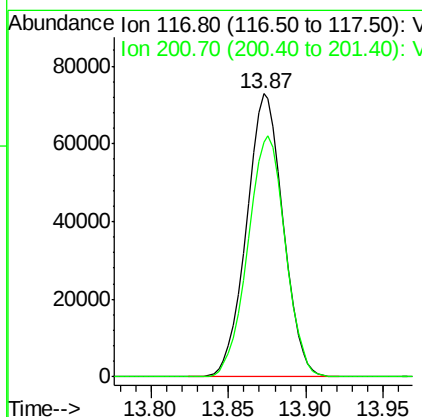
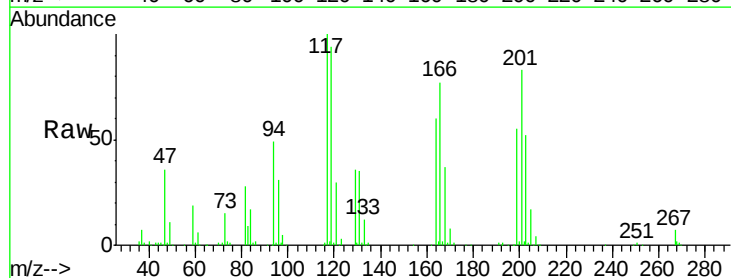
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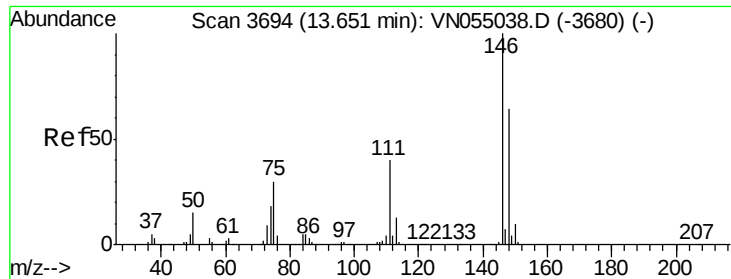
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#90
Hexachloroethane
Concen: 48.508 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055167.D
Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	43.4	130.2





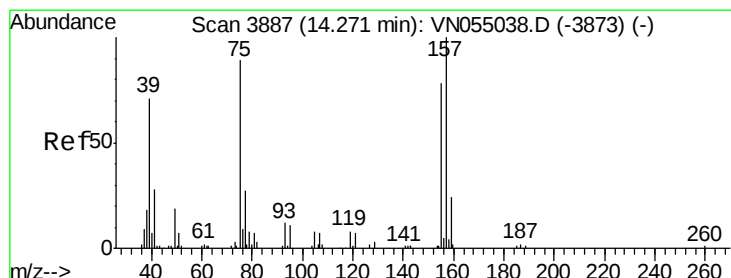
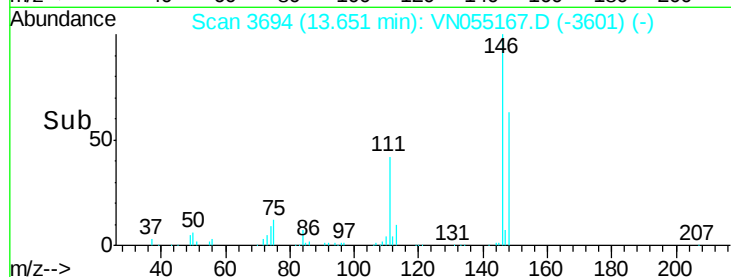
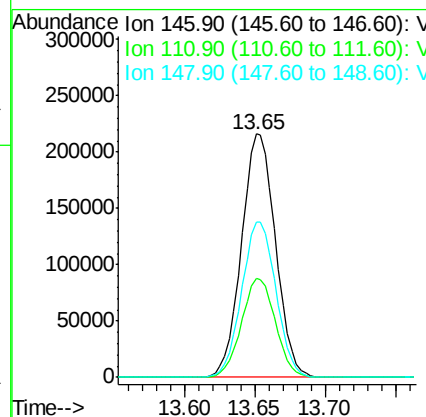
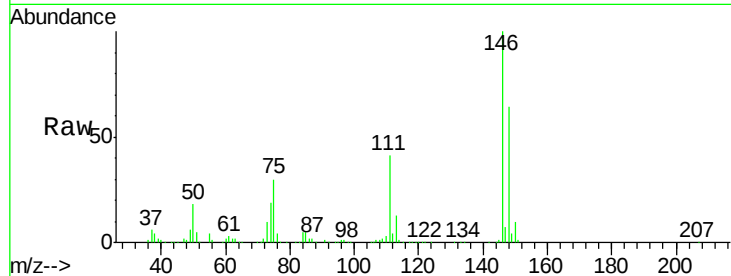
#91
 1,2-Dichlorobenzene
 Concen: 46.803 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	64.4	32.2	96.6

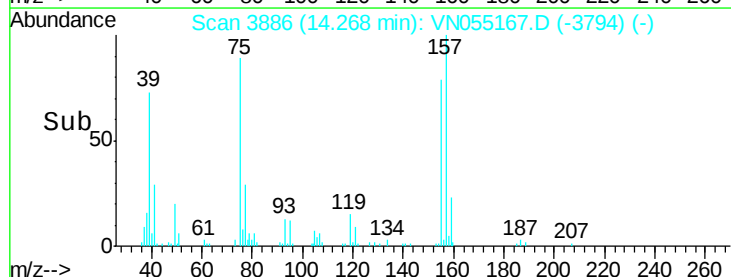
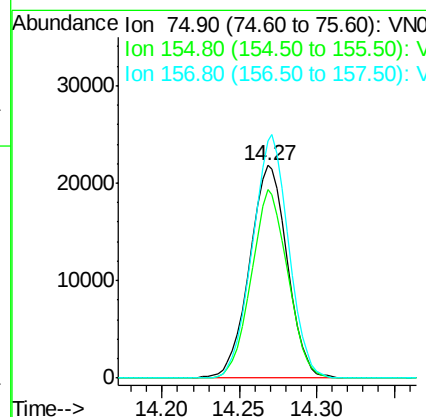
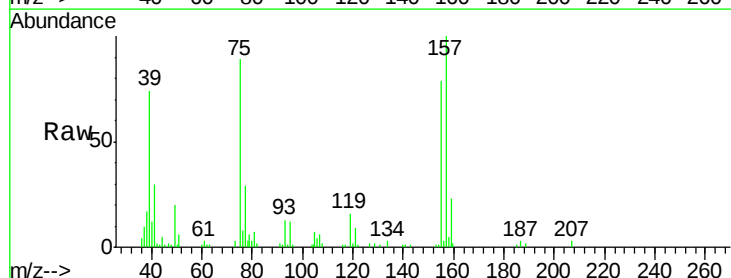
Manual Integrations
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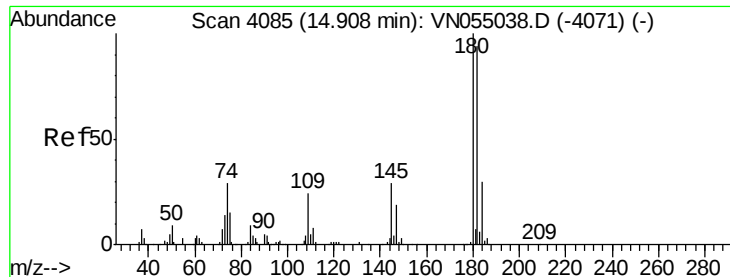
MMDadoda
 4/22/2019 10:07:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.108 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	42.0	126.0
157	109.8	52.1	156.4





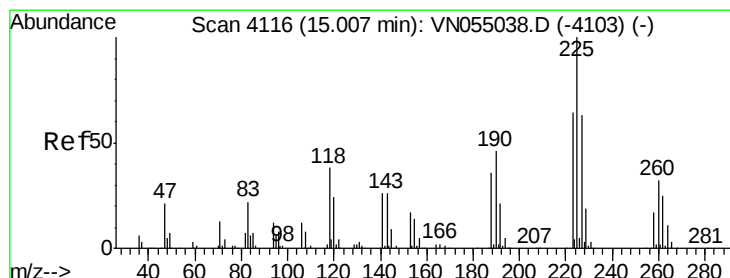
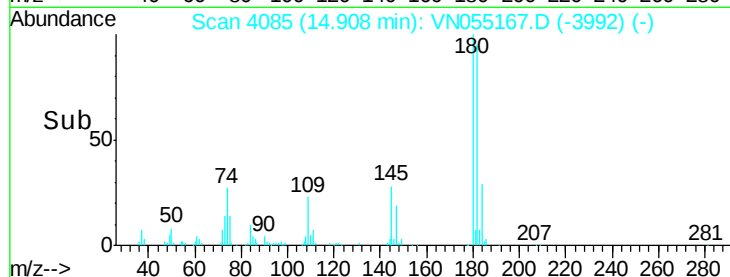
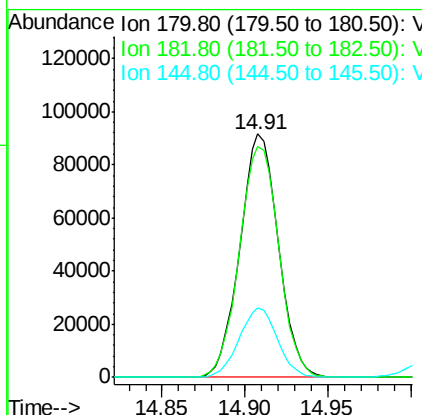
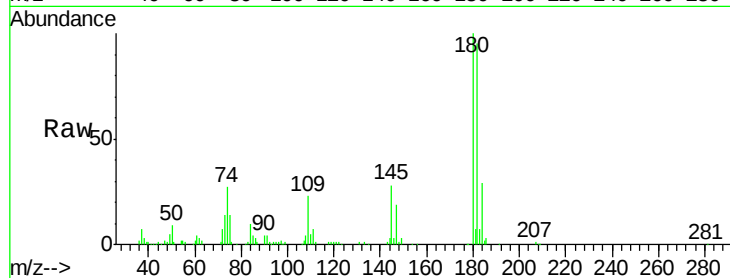
#93
 1,2,4-Trichlorobenzene
 Concen: 42.120 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.5	142.6
145	28.4	14.2	42.8

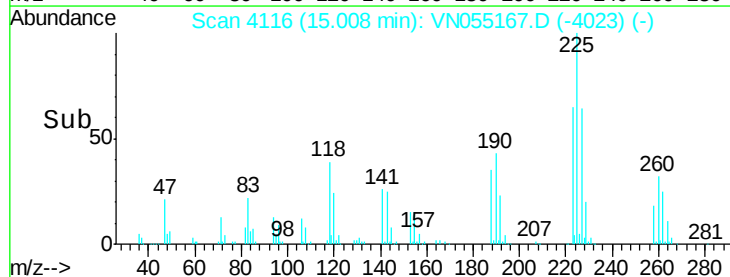
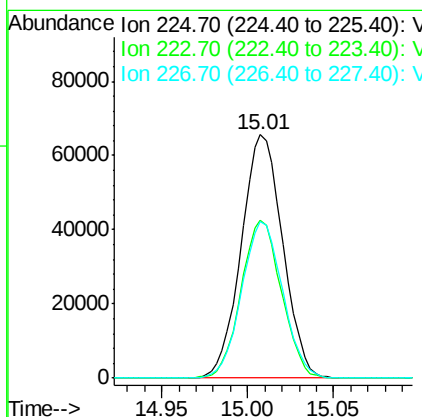
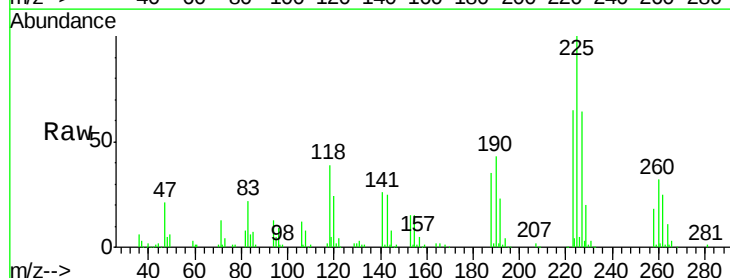
Manual Integrations
 APPROVED

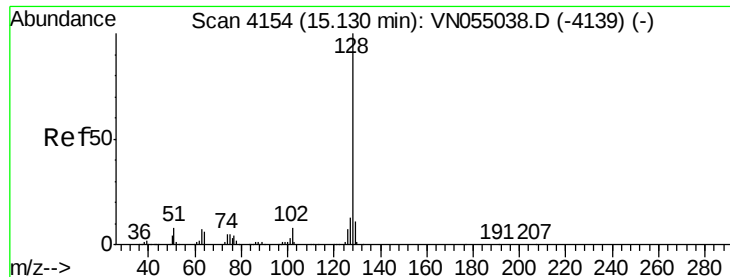
MMDadoda
 4/22/2019 10:07:48 AM



#94
 Hexachlorobutadiene
 Concen: 45.490 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055167.D
 Acq: 20 Apr 2019 3:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.0
227	63.5	32.6	97.7





#95

Naphthalene

Concen: 42.056 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Instrument :

MSVOA_N

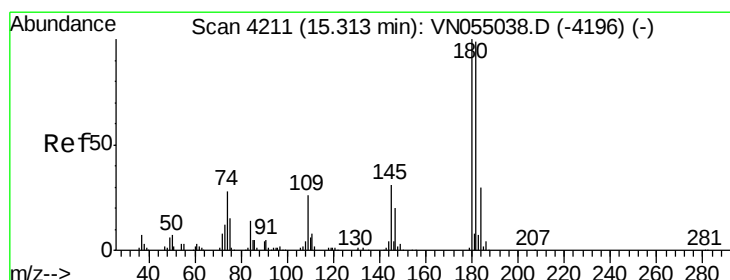
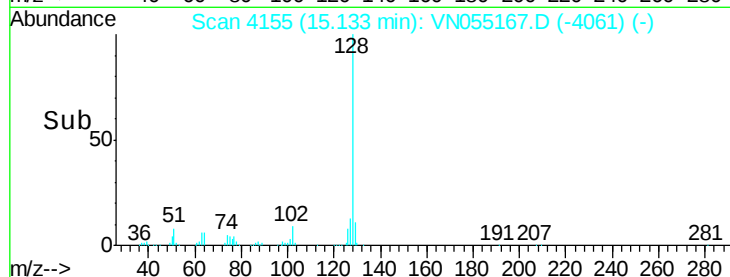
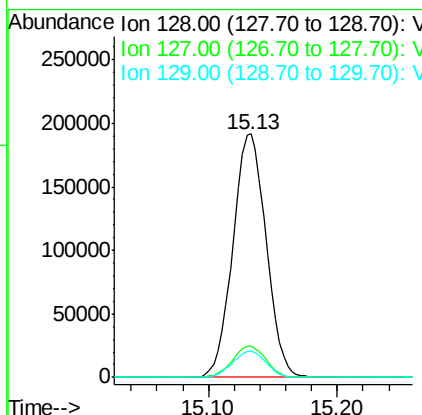
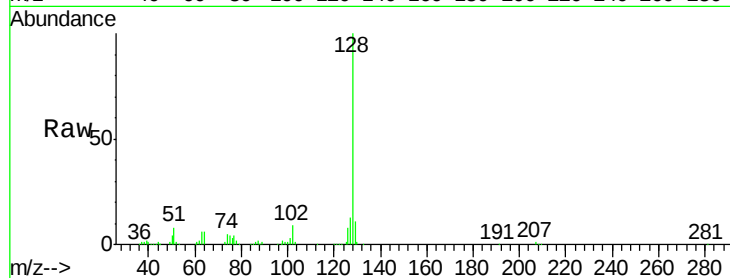
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	343592
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.1	15.1
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/22/2019 10:07:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.803 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055167.D

Acq: 20 Apr 2019 3:36

Tgt Ion:	180	Resp:	155893
Ion Ratio	Lower	Upper	
180	100		
182	97.3	48.0	144.0
145	30.7	15.3	45.9

