

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055360.D
 Acq On : 2 May 2019 19:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 1:10:32 PM

Quant Time: May 03 05:15:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	391433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	638252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	542975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	229558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	263135	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.59	113	206026	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	10.09	98	742182	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	254724	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	218888	45.641	ug/l	98
3) Chloromethane	2.06	50	242784	40.883	ug/l	98
4) Vinyl Chloride	2.19	62	225100	47.024	ug/l	99
5) Bromomethane	2.56	94	118308	46.659	ug/l	99
6) Chloroethane	2.70	64	117837	45.440	ug/l	95
7) Trichlorofluoromethane	3.02	101	321623	47.250	ug/l	97
8) Diethyl Ether	3.41	74	125071	52.518	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	189919	46.854	ug/l	99
10) Methyl Iodide	3.96	142	265797	46.595	ug/l	99
11) Tert butyl alcohol	4.79	59	93648	319.420	ug/l	99
12) 1,1-Dichloroethene	3.74	96	183338	47.414	ug/l	97
13) Acrolein	3.61	56	44414	193.978	ug/l	100
14) Allyl chloride	4.33	41	391319	48.864	ug/l	100
15) Acrylonitrile	4.99	53	461996	280.347	ug/l	100
16) Acetone	3.82	43	374915	234.970	ug/l	99
17) Carbon Disulfide	4.06	76	413628	40.990	ug/l	100
18) Methyl Acetate	4.33	43	236569	61.093	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	608571	55.985	ug/l	100
20) Methylene Chloride	4.55	84	218725	44.910	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	193750	47.312	ug/l	98
22) Diisopropyl ether	5.96	45	830162	52.173	ug/l	99
23) Vinyl Acetate	5.90	43	2983418	286.082	ug/l	100
24) 1,1-Dichloroethane	5.85	63	416863	49.170	ug/l	100
25) 2-Butanone	6.84	43	580382	284.425	ug/l	98
26) 2,2-Dichloropropane	6.83	77	270187	46.151	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	234709	50.400	ug/l	100
28) Bromochloromethane	7.20	49	208312	48.746	ug/l	99
29) Tetrahydrofuran	7.21	42	389315	297.956	ug/l	99
30) Chloroform	7.37	83	390976	48.649	ug/l	100
31) Cyclohexane	7.66	56	364830	45.293	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	316424	48.512	ug/l	99
36) 1,1-Dichloropropene	7.80	75	291060	47.610	ug/l	99
37) Ethyl Acetate	6.93	43	255679	54.569	ug/l	98
38) Carbon Tetrachloride	7.78	117	260621	44.193	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	302776	46.581	ug/l	97
40) Benzene	8.04	78	868149	48.171	ug/l	100
41) Methacrylonitrile	7.18	41	135025	53.199	ug/l	94
42) 1,2-Dichloroethane	8.13	62	310796	48.691	ug/l	100
43) Isopropyl Acetate	8.17	43	453741	60.259	ug/l	98
44) Trichloroethene	8.84	130	217840	47.415	ug/l	98
45) 1,2-Dichloropropane	9.12	63	257651	49.569	ug/l	99
46) Dibromomethane	9.21	93	139416	49.070	ug/l	99
47) Bromodichloromethane	9.40	83	294973	48.394	ug/l	97
48) Methyl methacrylate	9.20	41	210130	56.766	ug/l	99
49) 1,4-Dioxane	9.20	88	46577	1217.209	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1236409	291.647	ug/l	99
52) Toluene	10.16	92	502968	48.640	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	287204	54.279	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	343504	52.068	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	197744	51.498	ug/l	98
56) Ethyl methacrylate	10.43	69	276396	58.481	ug/l	99
57) 1,3-Dichloropropane	10.71	76	344278	51.109	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	397815	270.162	ug/l	99
59) 2-Hexanone	10.75	43	789808	297.756	ug/l	99
60) Dibromochloromethane	10.90	129	203258	51.792	ug/l	100
61) 1,2-Dibromoethane	11.01	107	189995	53.532	ug/l	100
64) Tetrachloroethene	10.63	164	204470	46.049	ug/l	98
65) Chlorobenzene	11.43	112	514504	48.465	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	199238	47.930	ug/l	99
67) Ethyl Benzene	11.51	91	959721	50.063	ug/l	100
68) m/p-Xylenes	11.62	106	695209	101.599	ug/l	99
69) o-Xylene	11.95	106	341786	50.394	ug/l	99
70) Styrene	11.96	104	562932	54.058	ug/l	99
71) Bromoform	12.13	173	126058	54.651	ug/l #	97
73) Isopropylbenzene	12.25	105	923370	50.589	ug/l	100
74) N-amyl acetate	12.07	43	418635	71.059	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	238656	52.639	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	202510m	47.326	ug/l	
77) Bromobenzene	12.53	156	220618	50.397	ug/l	99
78) n-propylbenzene	12.59	91	1042158	44.196	ug/l	100
79) 2-Chlorotoluene	12.67	91	635758	51.164	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	821282	45.635	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58158	48.011	ug/l	88
82) 4-Chlorotoluene	12.77	91	607661	44.321	ug/l	99
83) tert-Butylbenzene	12.99	119	644528	50.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	926857	57.586	ug/l	99
85) sec-Butylbenzene	13.17	105	844045	43.150	ug/l	99
86) p-Isopropyltoluene	13.29	119	755836	47.013	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	362357	47.172	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	356728	49.313	ug/l	99
89) n-Butylbenzene	13.61	91	625773	54.776	ug/l	98
90) Hexachloroethane	13.87	117	116219	45.513	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	363191	47.704	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38787	64.224	ug/l	96

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ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	157369	52.270	ug/l	97
94) Hexachlorobutadiene	15.01	225	123563	54.169	ug/l	98
95) Naphthalene	15.13	128	369828	57.430	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	159284	53.684	ug/l	99

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

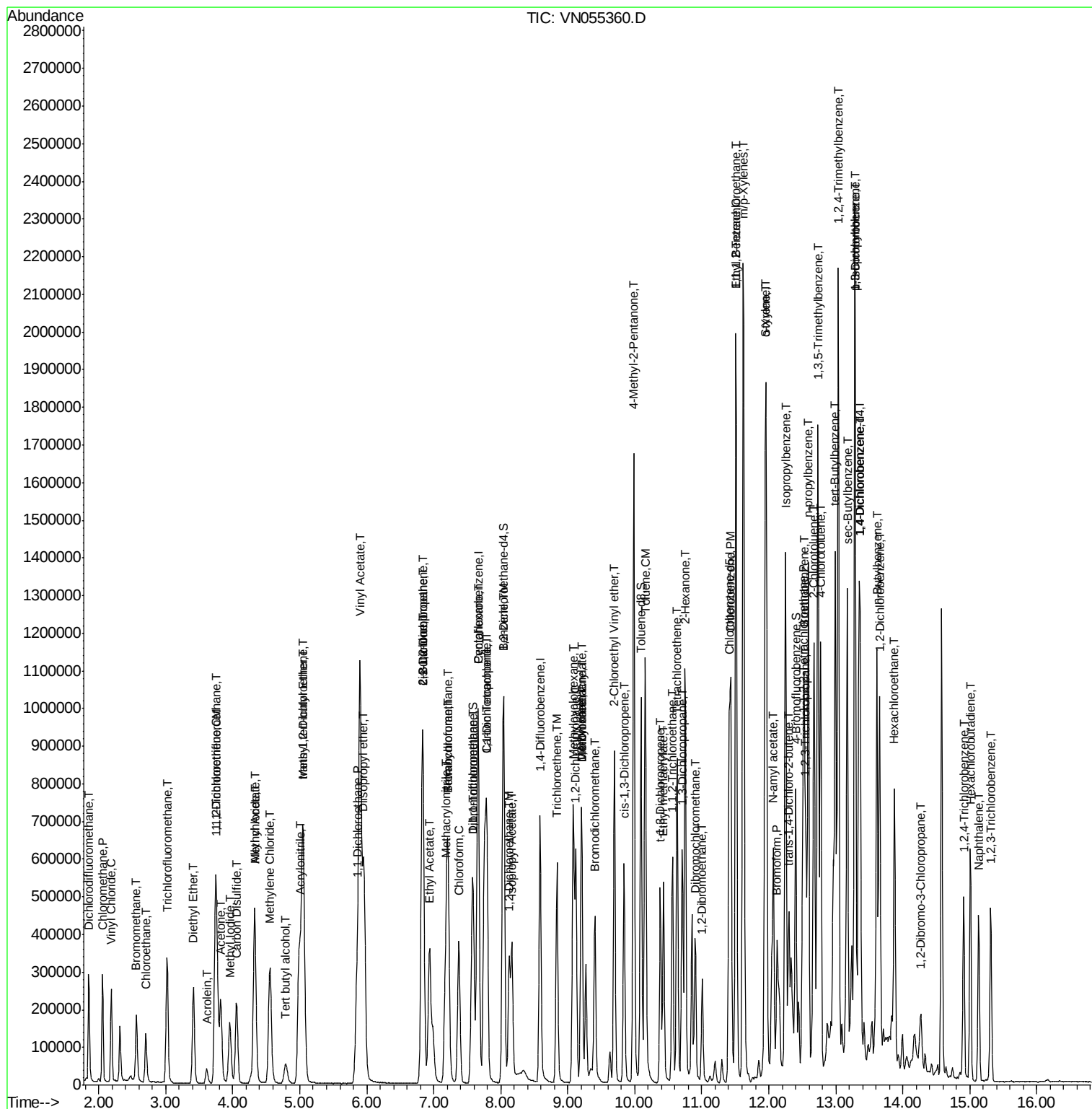
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Data File : VN055360.D
Acq On : 2 May 2019 19:41
Operator : JC/SP
Sample : VSTDCCC050
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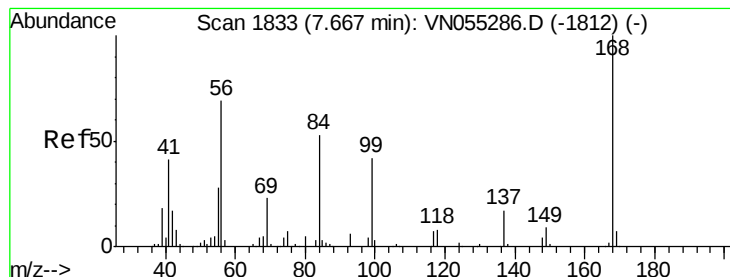
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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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: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 391433

Ion Ratio Lower Upper

168 100

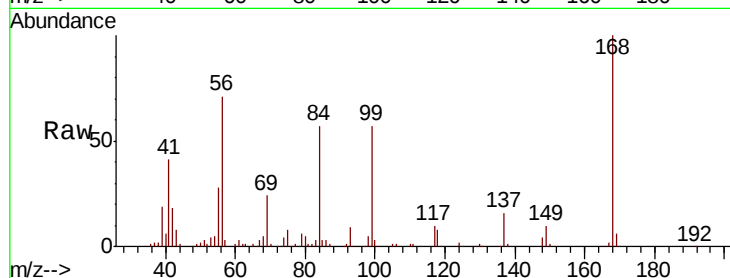
99 56.2 43.6 65.4

Manual Integrations

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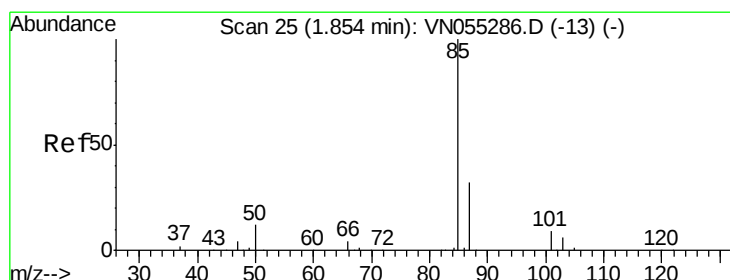
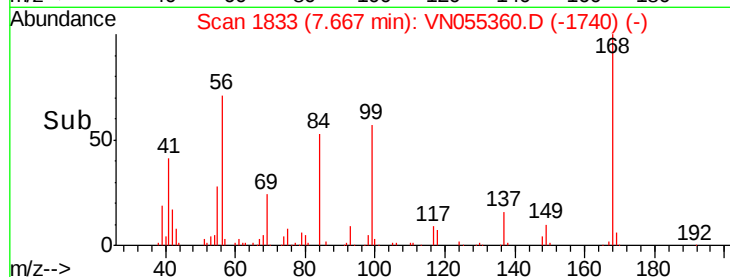
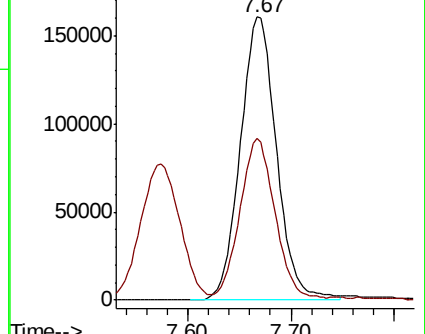
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 45.641 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055360.D

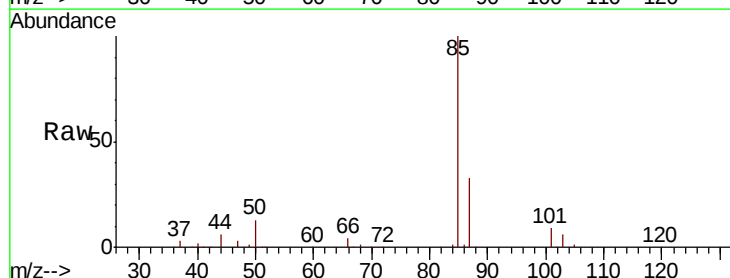
Acq: 2 May 2019 19:41

Tgt Ion: 85 Resp: 218888

Ion Ratio Lower Upper

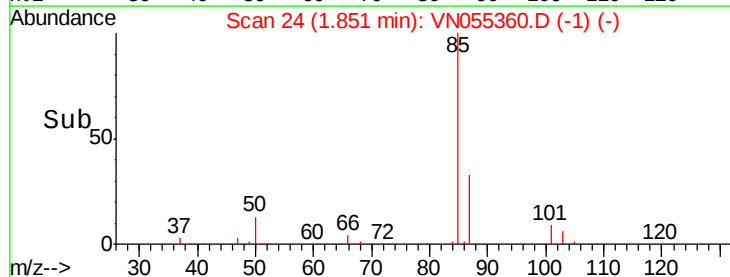
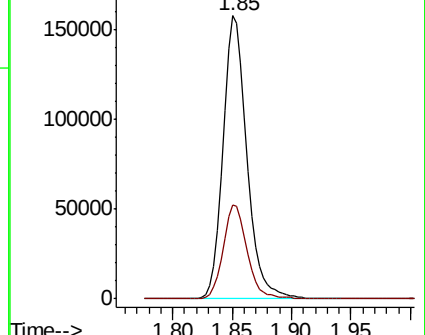
85 100

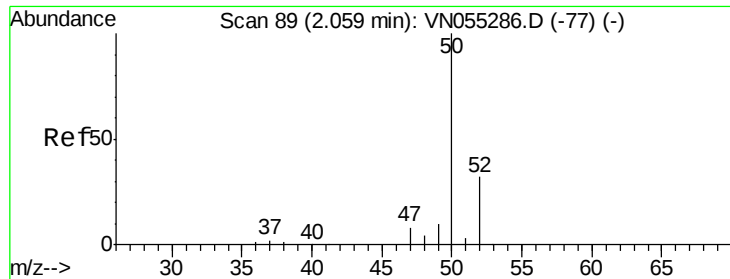
87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 40.883 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 242784

Ion Ratio Lower Upper

50 100

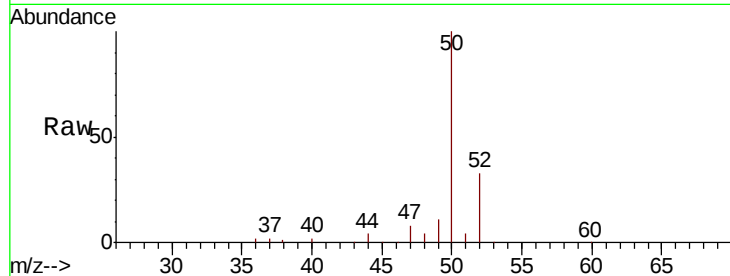
52 33.2 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

200000

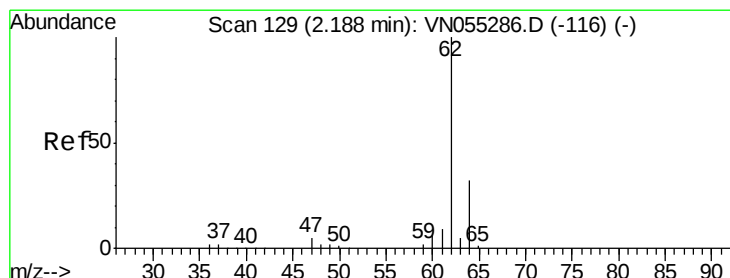
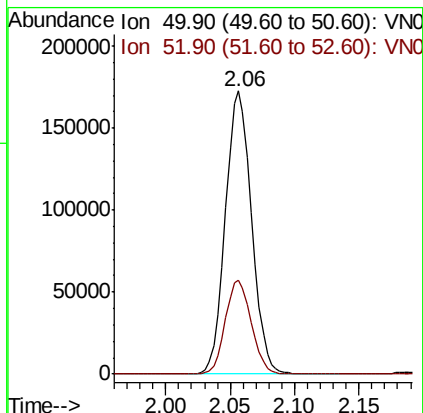
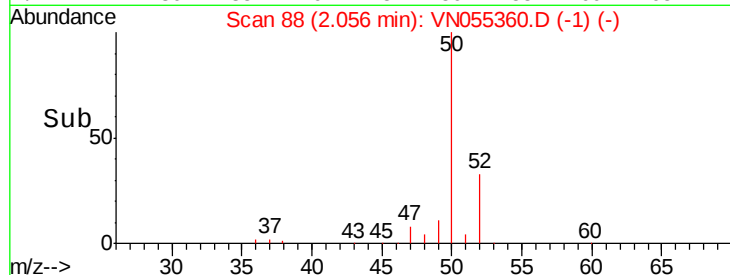
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50000

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Time-->



#4

Vinyl Chloride

Concen: 47.024 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055360.D

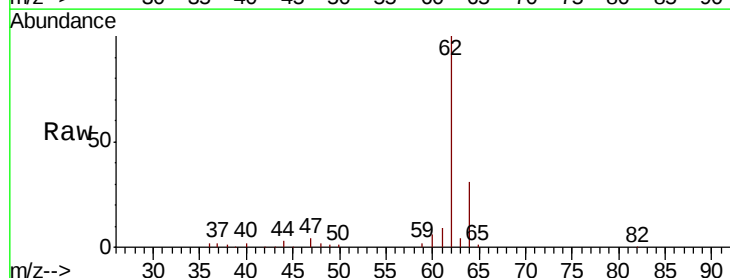
Acq: 2 May 2019 19:41

Tgt Ion: 62 Resp: 225100

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

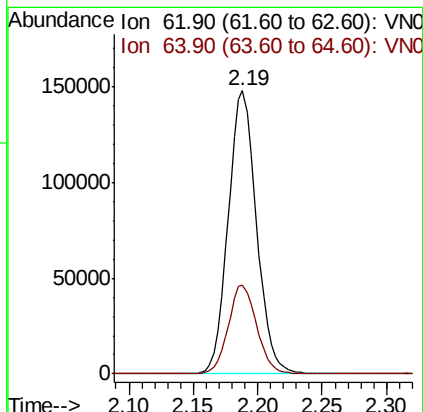
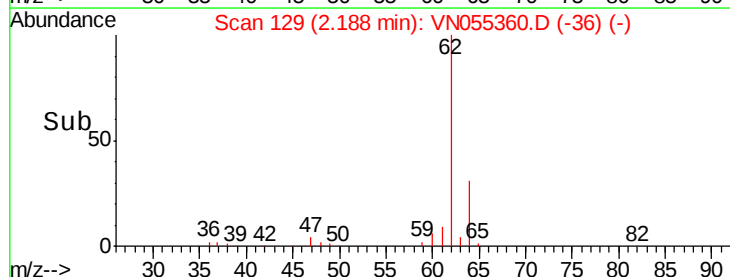
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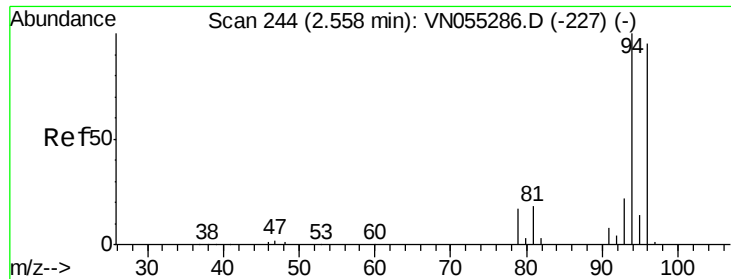
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Time-->





#5

Bromomethane

Concen: 46.659 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

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Tgt Ion: 94 Resp: 118308

Ion Ratio Lower Upper

94 100

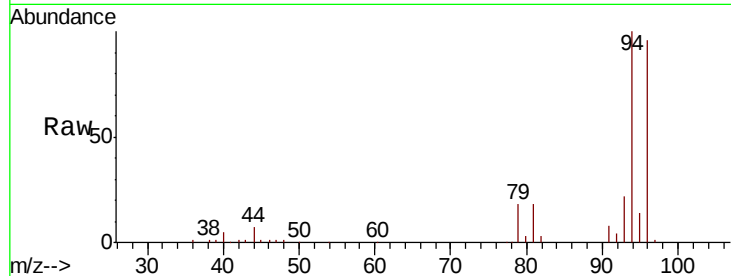
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Manual Integrations

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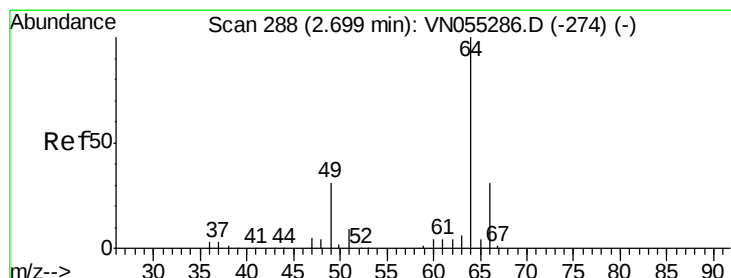
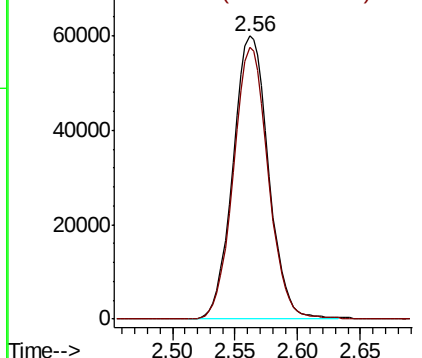
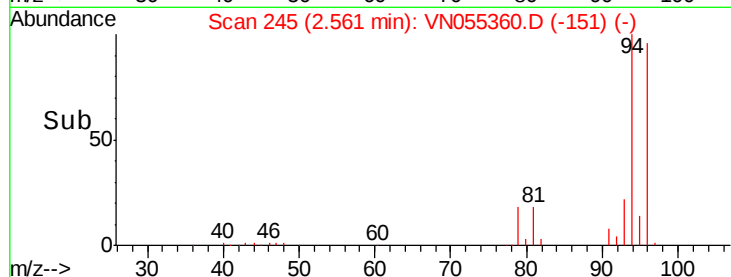
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.440 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055360.D

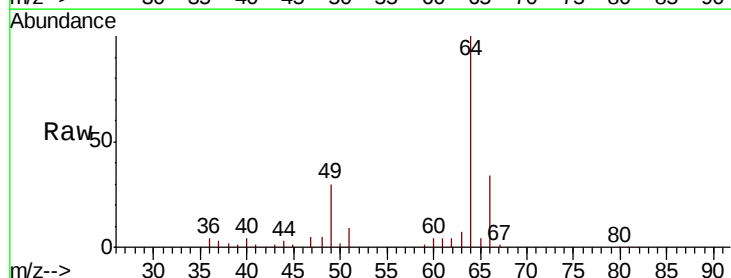
Acq: 2 May 2019 19:41

Tgt Ion: 64 Resp: 117837

Ion Ratio Lower Upper

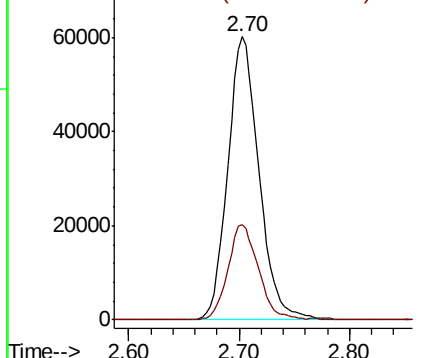
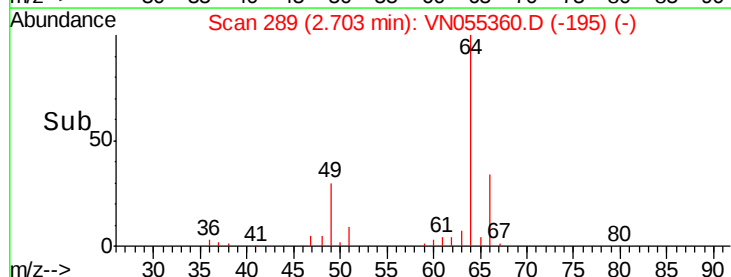
64 100

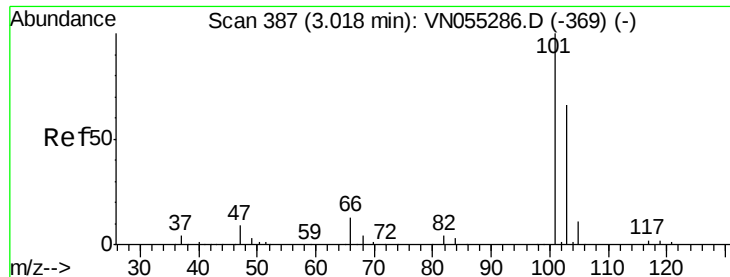
66 33.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

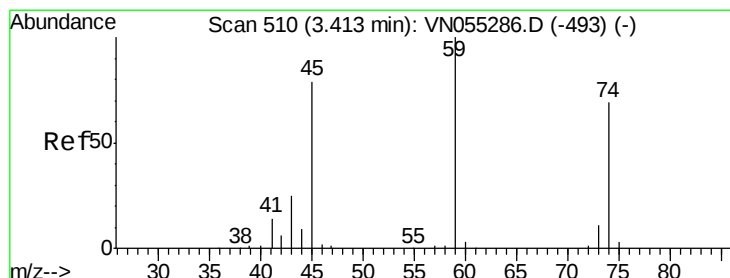
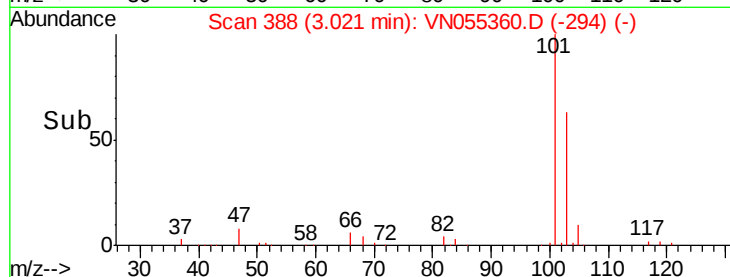
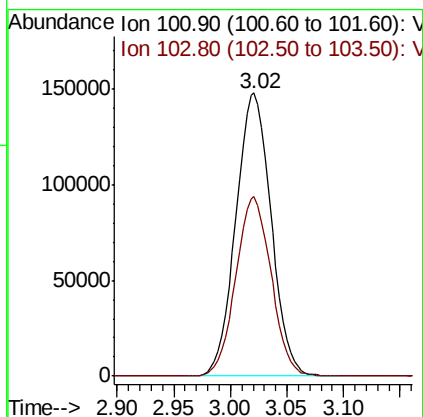
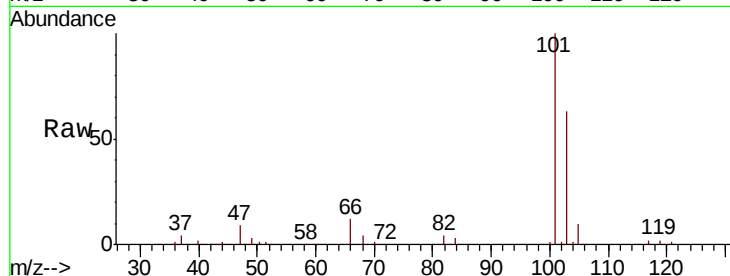
Trichlorofluoromethane
 Concen: 47.250 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 101 Resp: 321623
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.6 79.0

Manual Integrations
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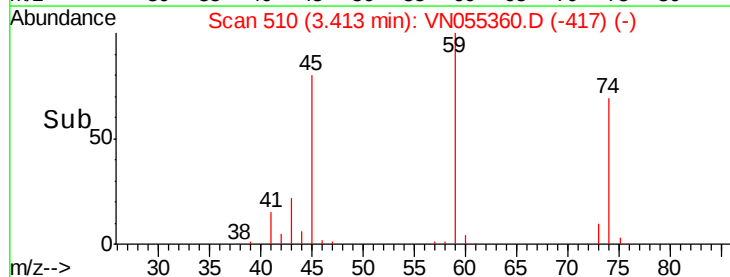
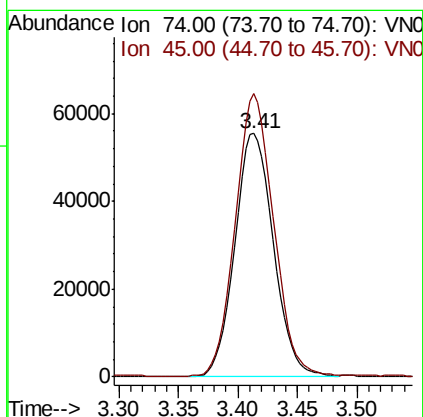
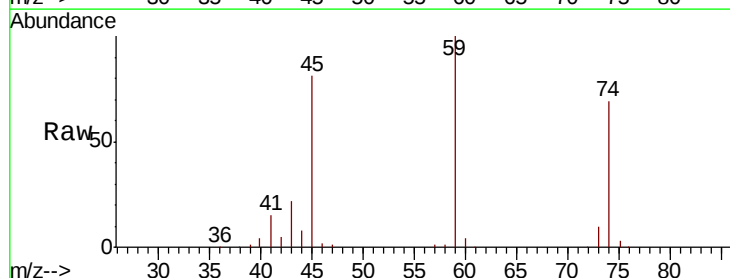
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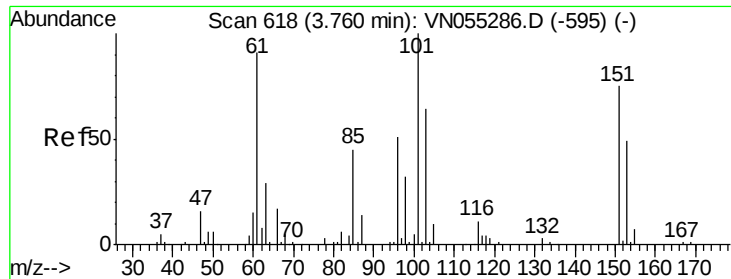


#8

Diethyl Ether
 Concen: 52.518 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion: 74 Resp: 125071
 Ion Ratio Lower Upper
 74 100
 45 115.5 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.854 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

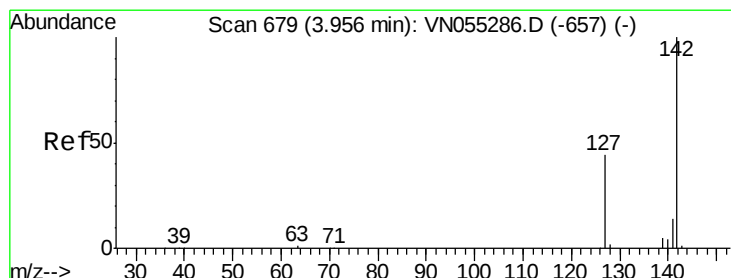
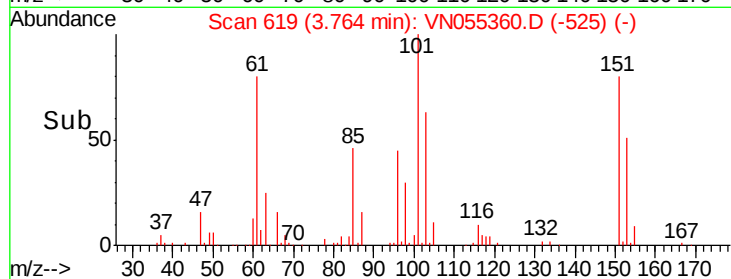
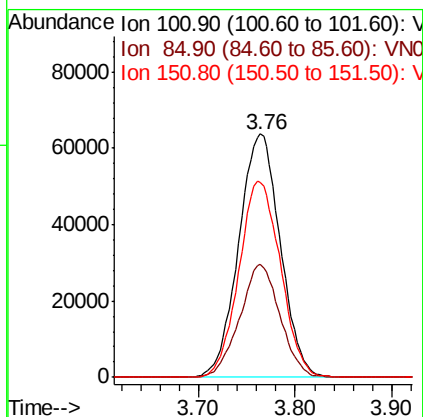
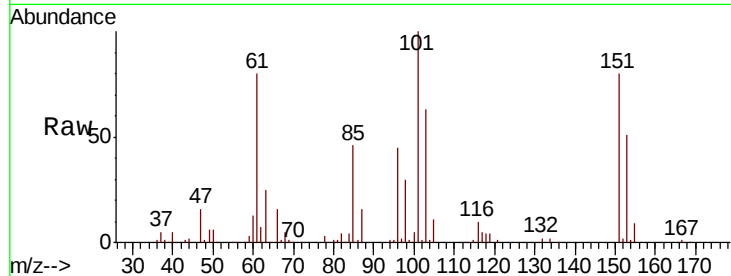
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	189919
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.7	53.5
151	80.7	63.3	94.9

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#10

Methyl Iodide

Concen: 46.595 ug/l

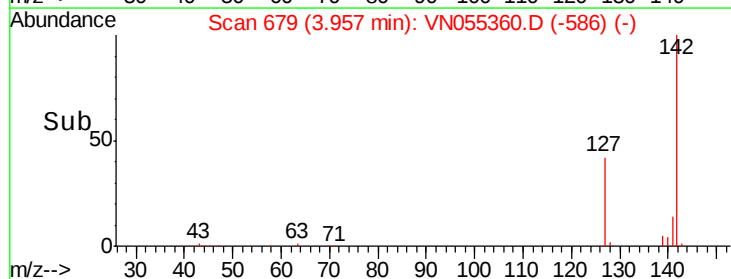
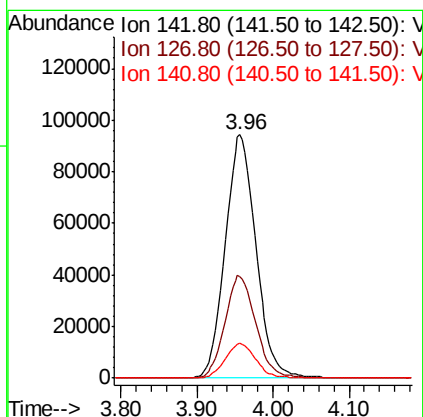
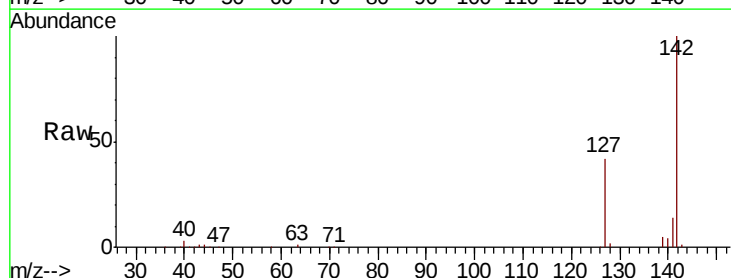
RT: 3.96 min Scan# 679

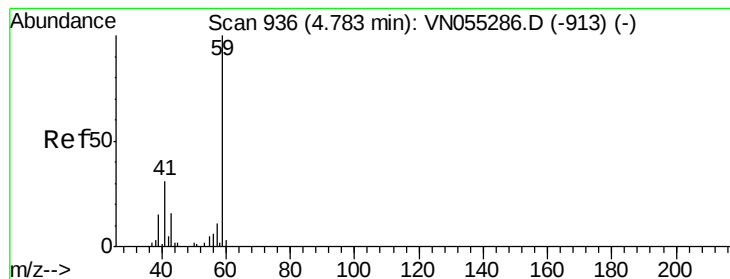
Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Tgt Ion:	142	Resp:	265797
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.4	51.6
141	14.1	11.5	17.3





#11

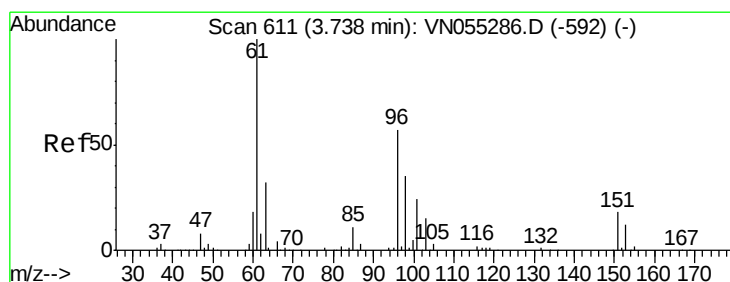
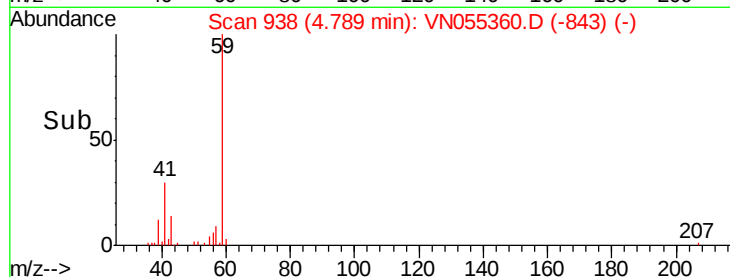
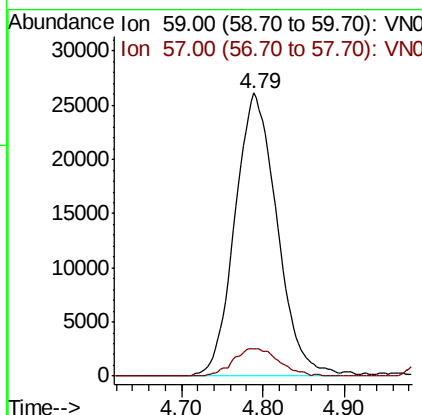
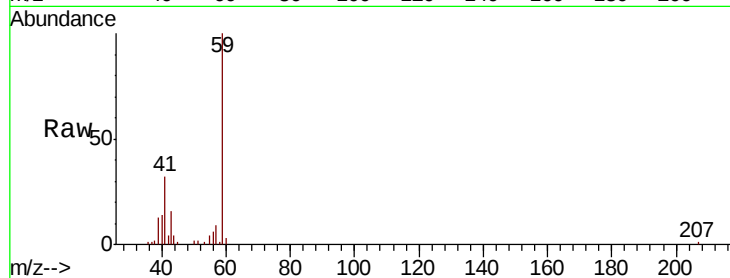
Tert butyl alcohol
Concen: 319.420 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

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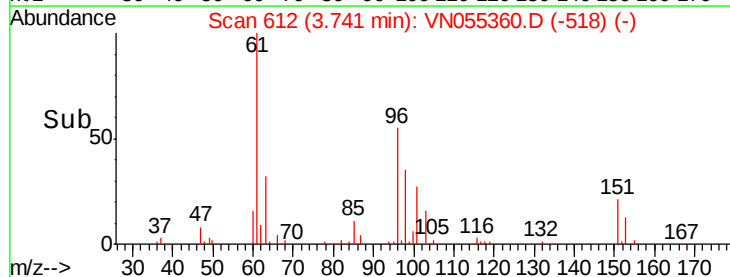
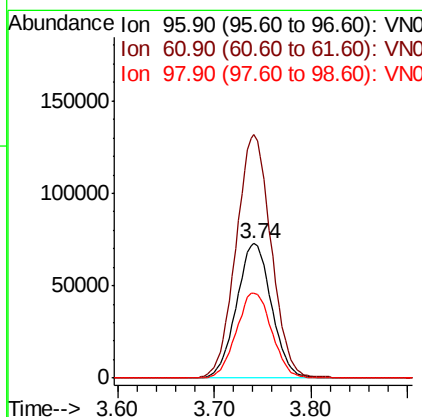
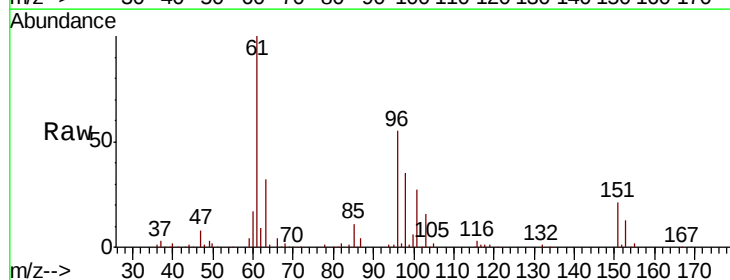
MMDadoda
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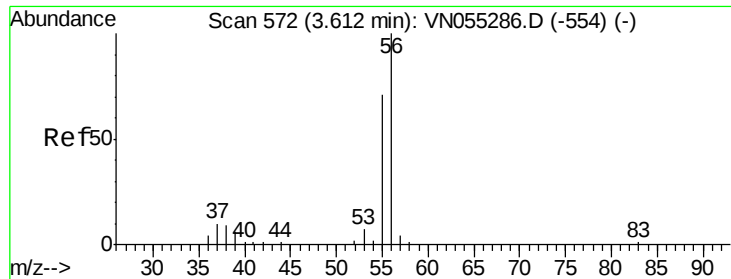


#12

1,1-Dichloroethene
Concen: 47.414 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.1	140.9	211.3
98	63.3	50.0	75.0





#13

Acrolein

Concen: 193.978 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 44414

Ion Ratio Lower Upper

56 100

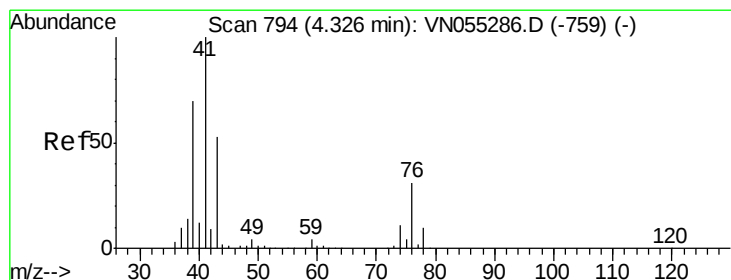
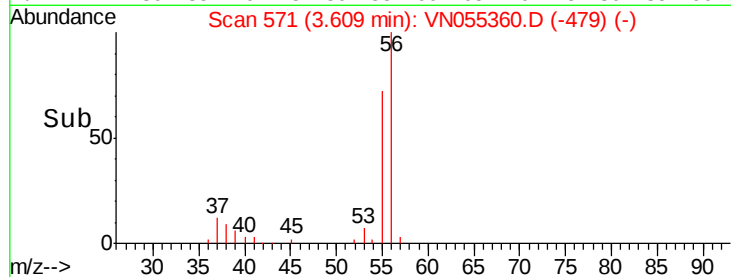
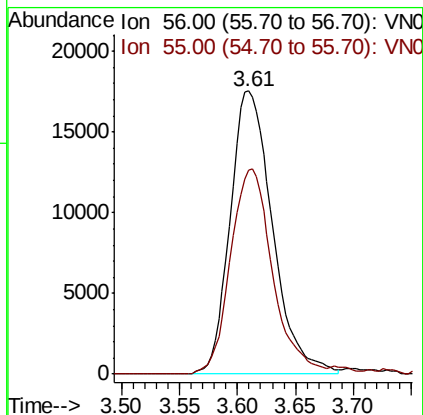
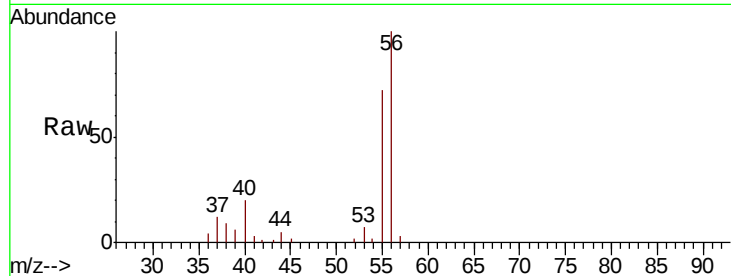
55 71.8 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 48.864 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

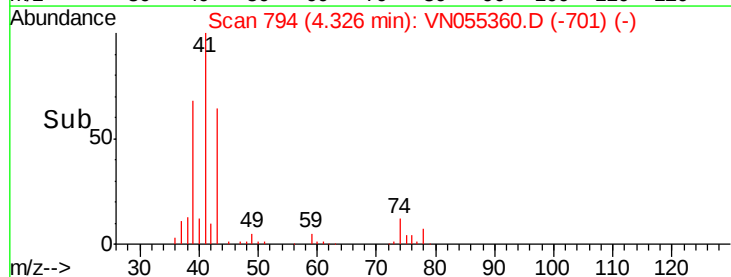
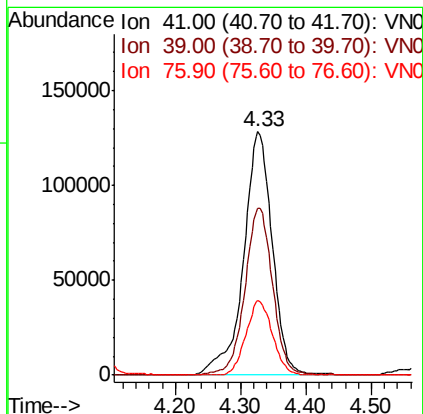
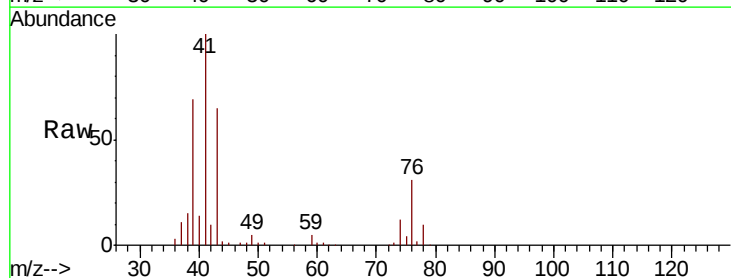
Tgt Ion: 41 Resp: 391319

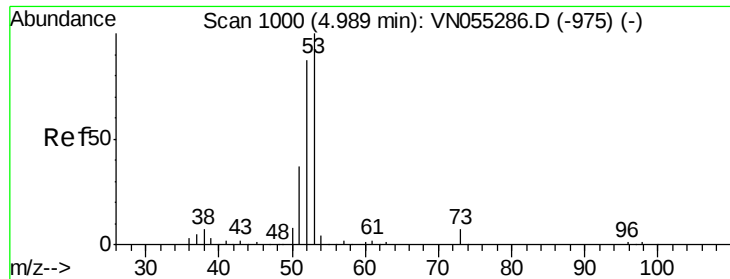
Ion Ratio Lower Upper

41 100

39 66.3 53.0 79.6

76 28.3 22.7 34.1





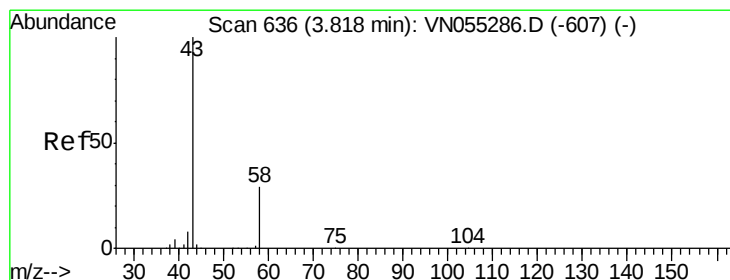
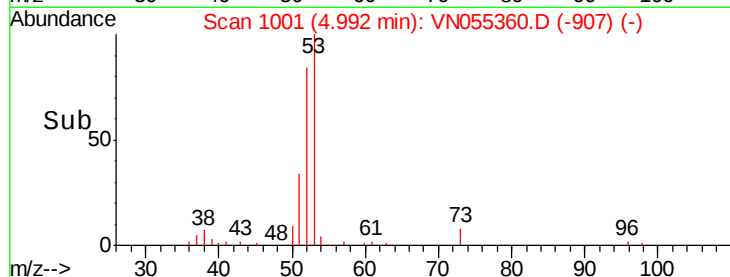
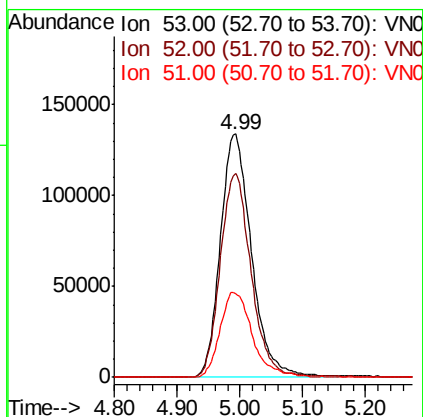
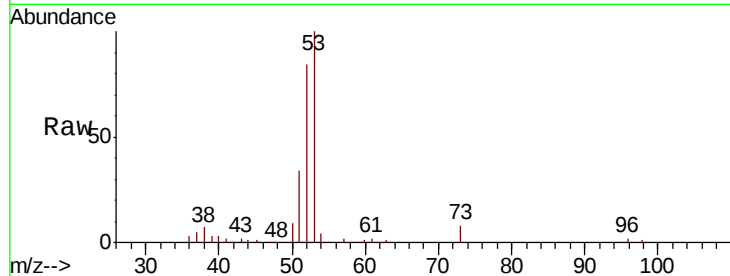
#15
 Acrylonitrile
 Concen: 280.347 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	36.4	29.6	44.4

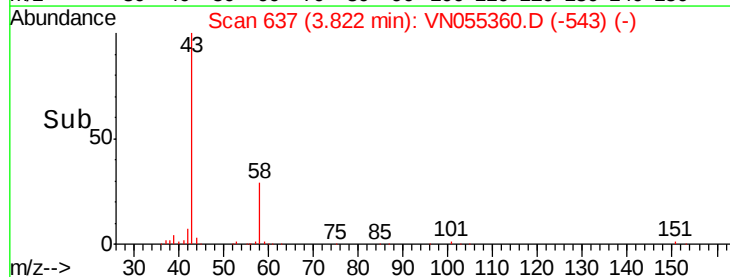
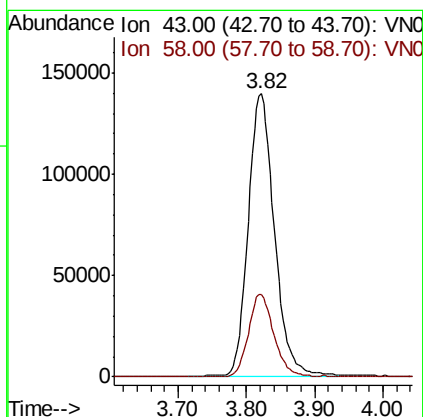
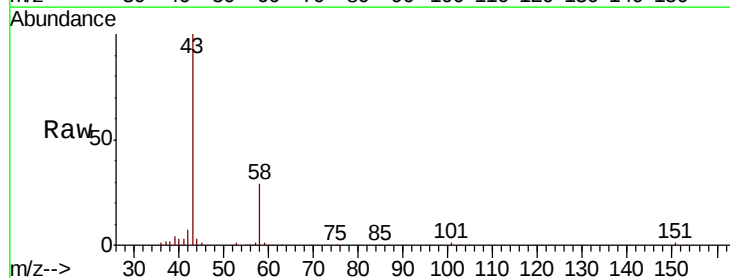
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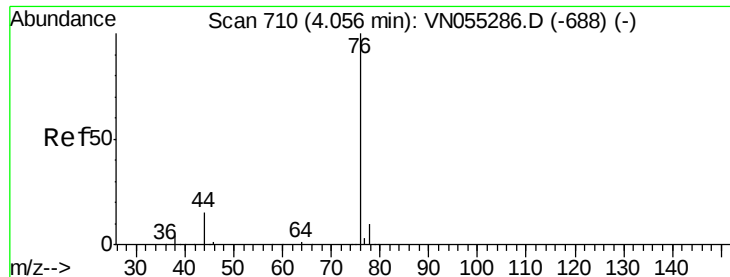
MMDadoda
 5/3/2019 1:10:32 PM



#16
 Acetone
 Concen: 234.970 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.6	35.4





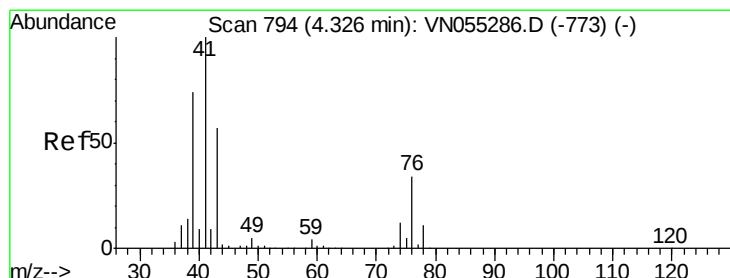
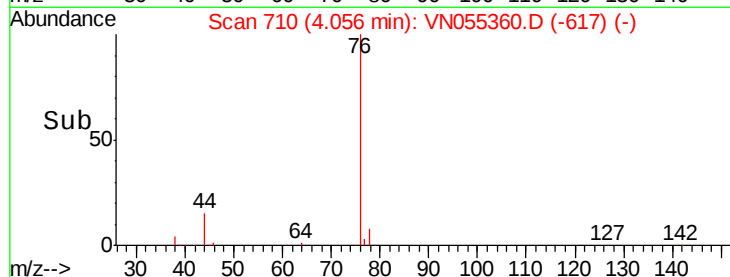
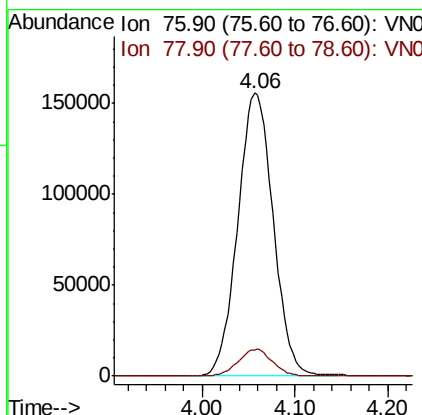
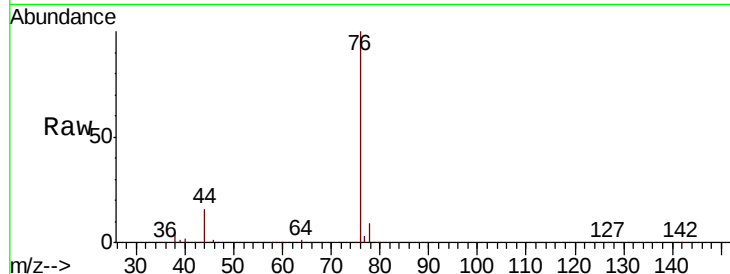
#17
Carbon Disulfide
Concen: 40.990 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 413628
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4

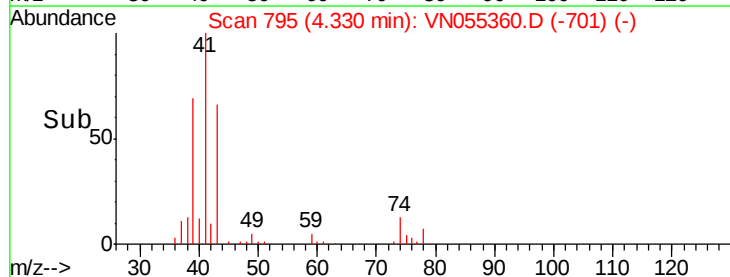
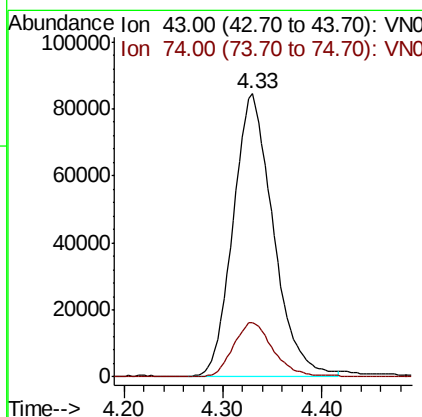
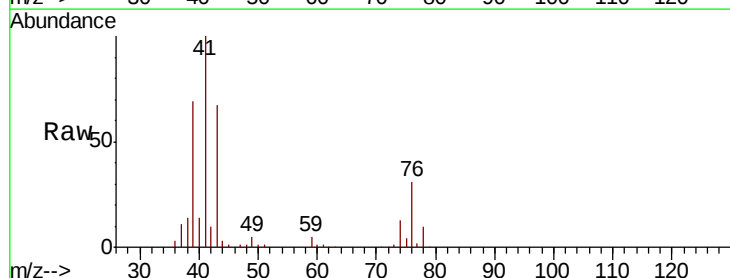
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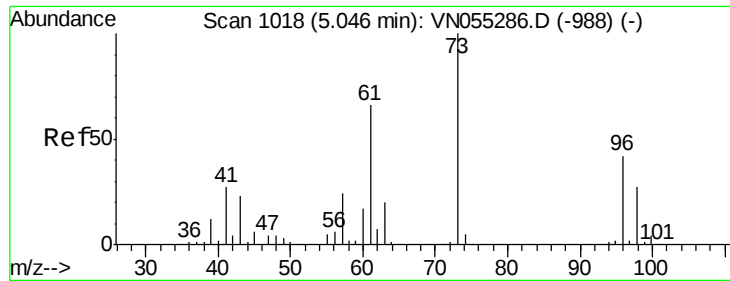
MMDadoda
5/3/2019 1:10:32 PM



#18
Methyl Acetate
Concen: 61.093 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion: 43 Resp: 236569
Ion Ratio Lower Upper
43 100
74 19.2 15.8 23.8





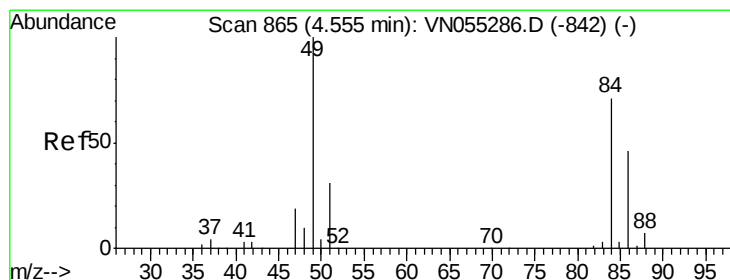
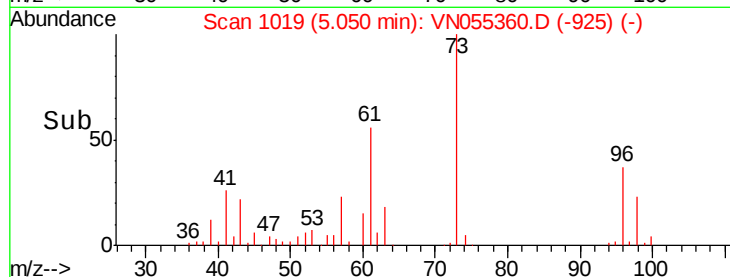
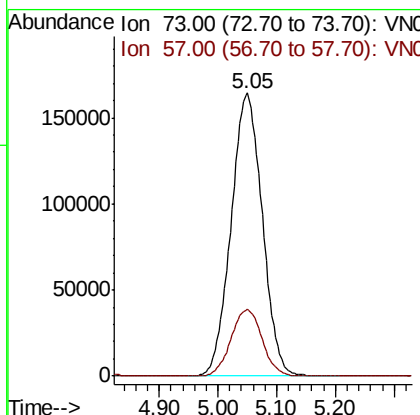
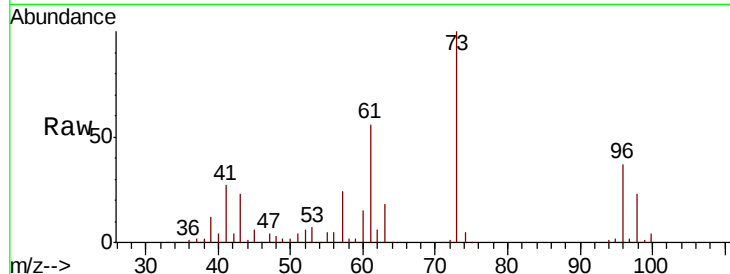
#19
Methyl tert-butyl Ether
Concen: 55.985 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 608571
Ion Ratio Lower Upper
73 100
57 23.8 19.1 28.7

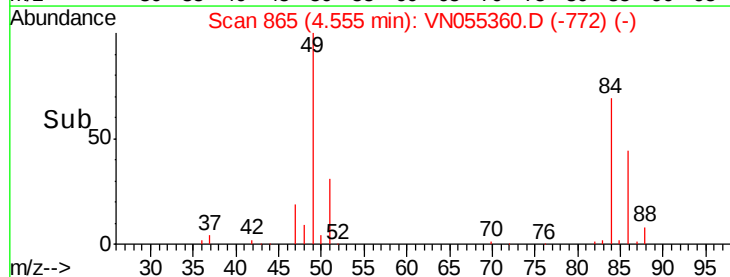
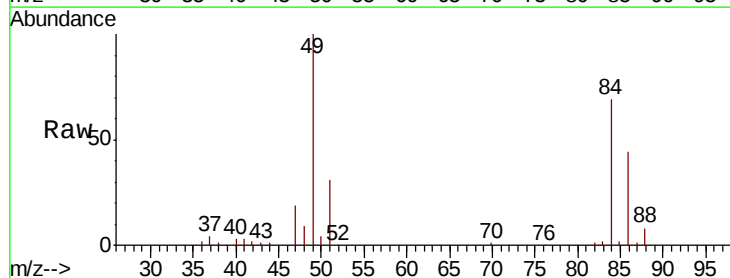
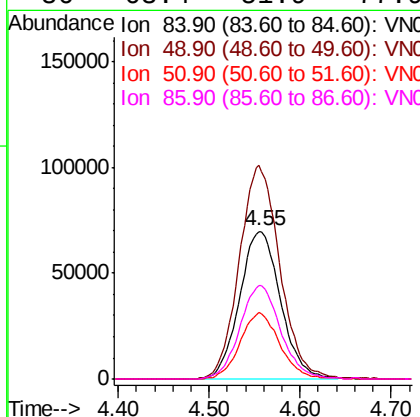
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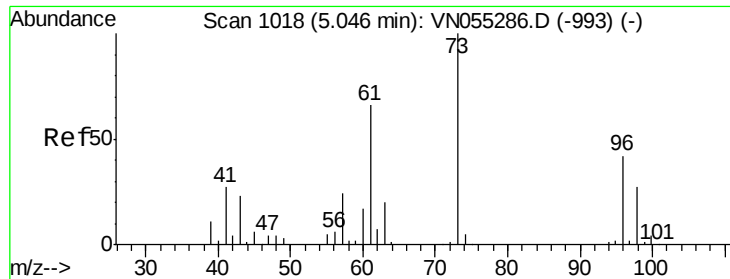
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#20
Methylene Chloride
Concen: 44.910 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion: 84 Resp: 218725
Ion Ratio Lower Upper
84 100
49 144.6 112.4 168.6
51 44.7 34.6 51.8
86 63.4 51.9 77.9





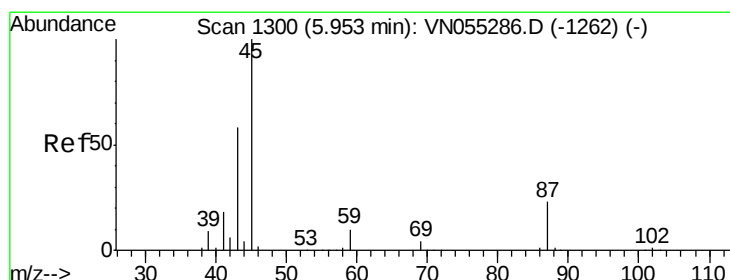
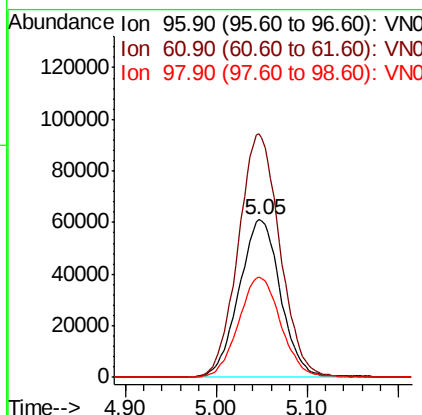
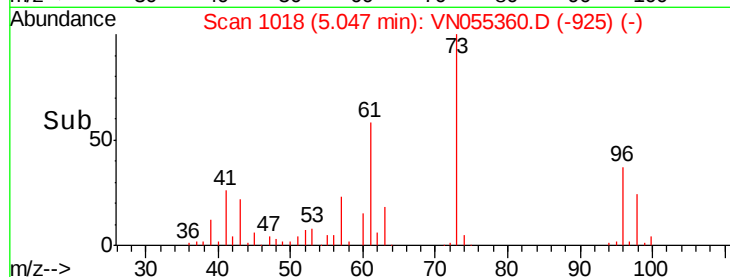
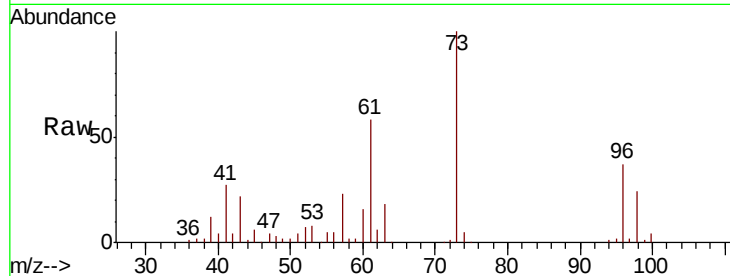
#21
trans-1,2-Dichloroethene
Concen: 47.312 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	126.2	189.4
98	63.4	52.2	78.2

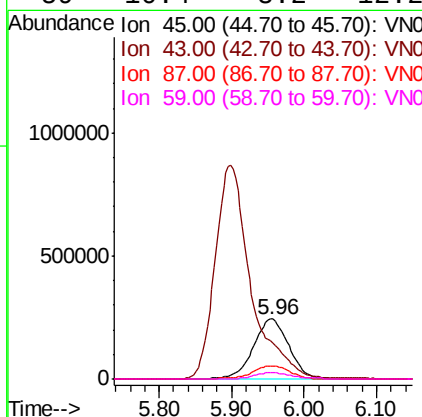
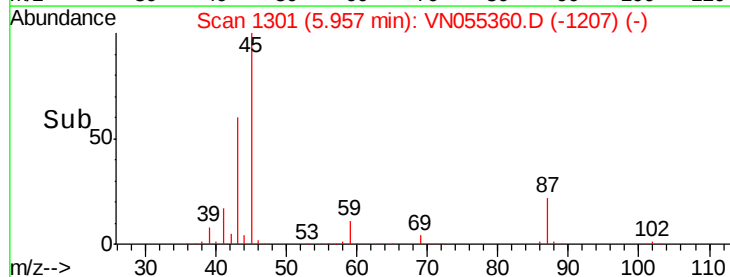
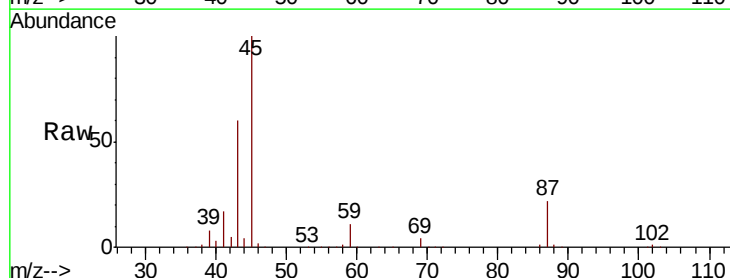
Manual Integrations
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#22
Diisopropyl ether
Concen: 52.173 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	46.6	70.0
87	22.1	18.1	27.1
59	10.4	8.2	12.2





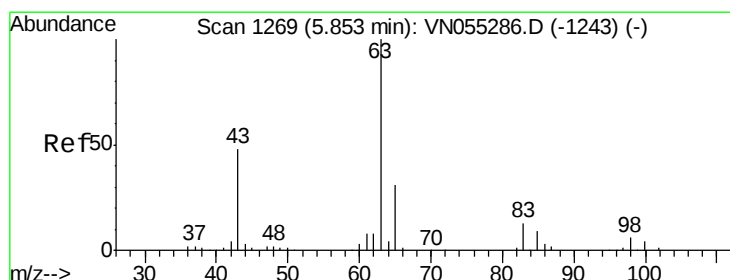
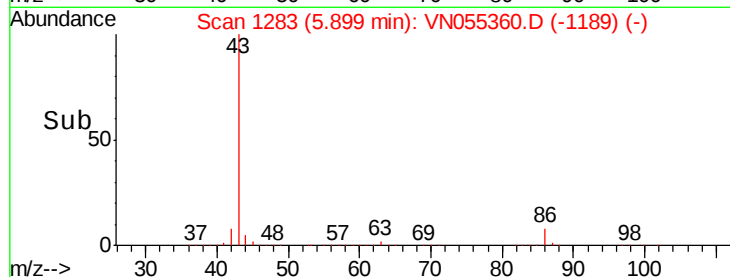
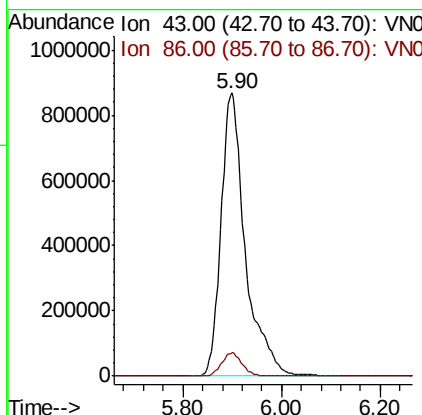
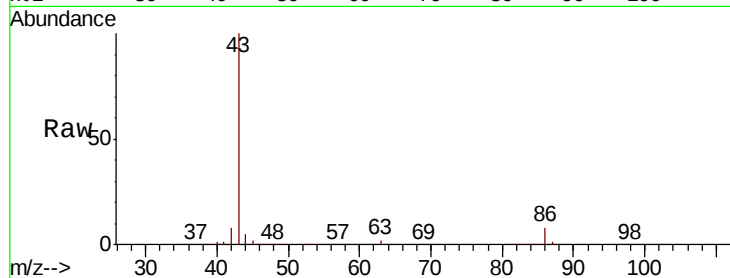
#23
 Vinyl Acetate
 Concen: 286.082 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2983418
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0

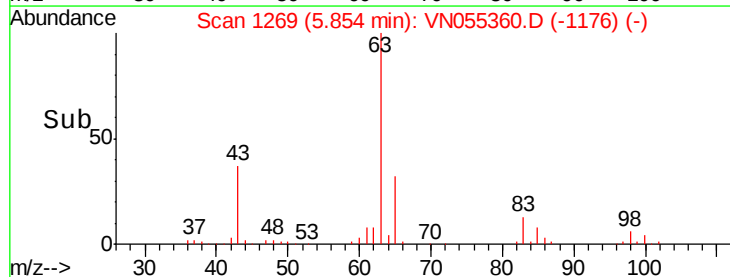
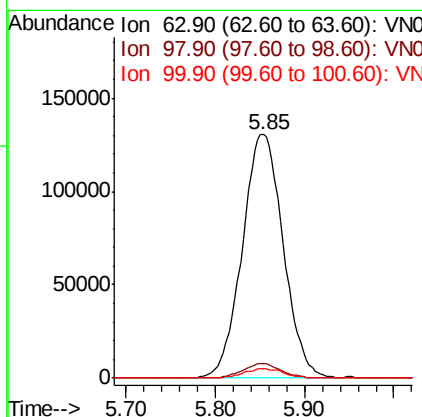
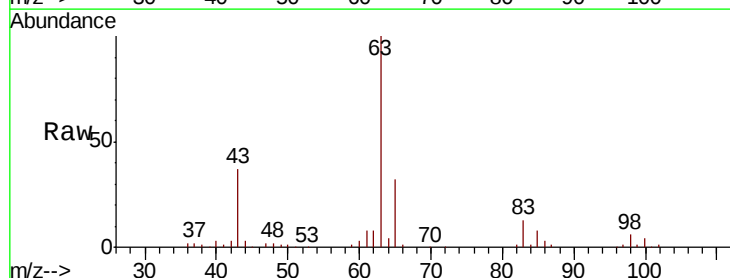
Manual Integrations
 APPROVED

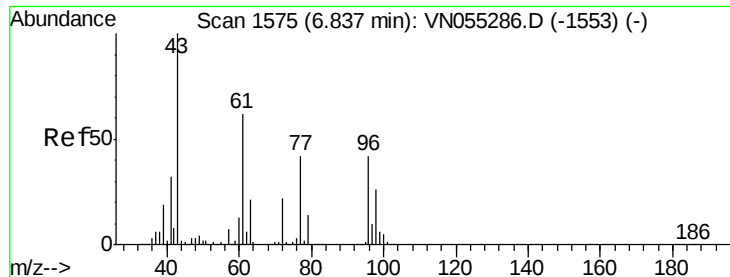
MMDadoda
 5/3/2019 1:10:32 PM



#24
 1,1-Dichloroethane
 Concen: 49.170 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion: 63 Resp: 416863
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 3.9 1.8 5.4





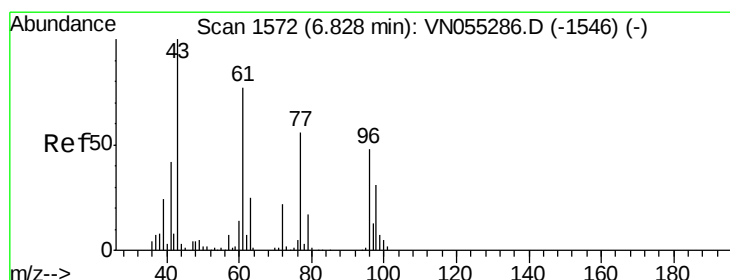
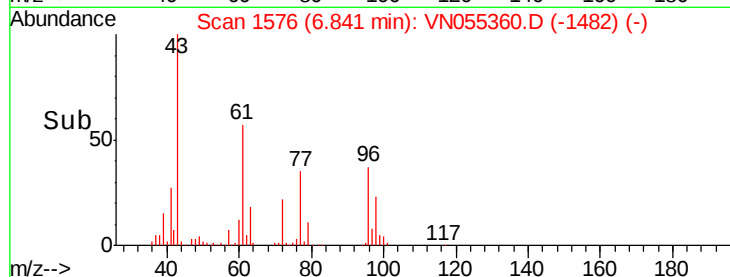
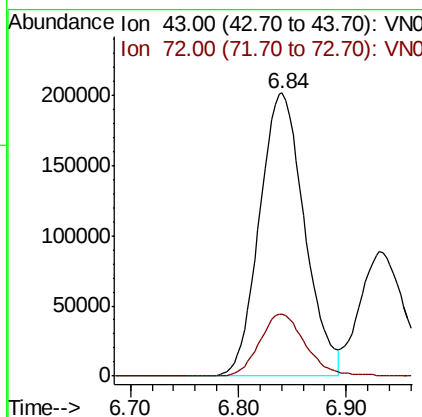
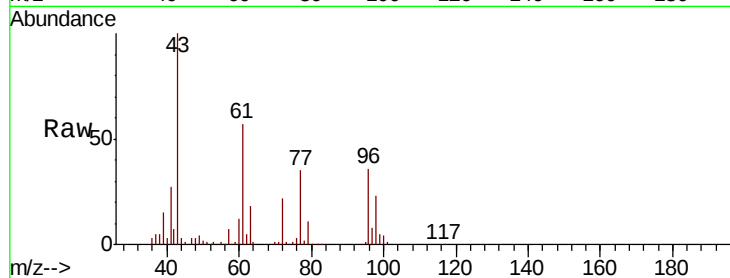
#25
2-Butanone
Concen: 284.425 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 580382
Ion Ratio Lower Upper
43 100
72 21.7 18.0 27.0

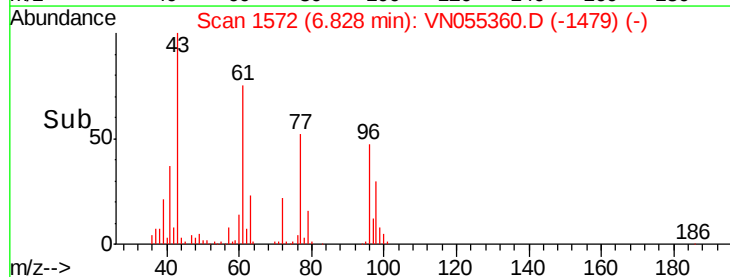
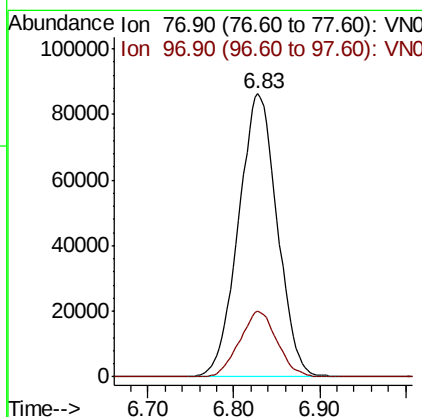
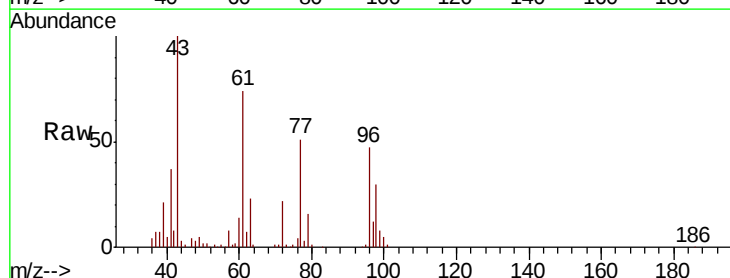
Manual Integrations
APPROVED

MMDadoda
5/3/2019 1:10:32 PM



#26
2,2-Dichloropropane
Concen: 46.151 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion: 77 Resp: 270187
Ion Ratio Lower Upper
77 100
97 22.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.400 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

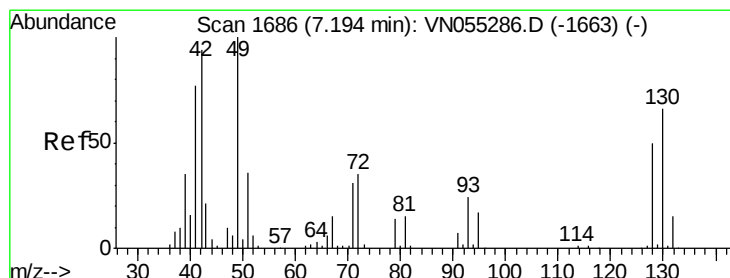
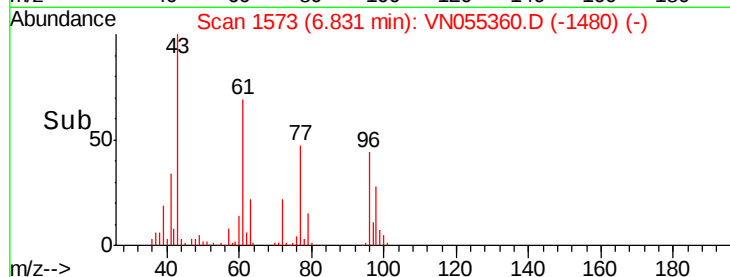
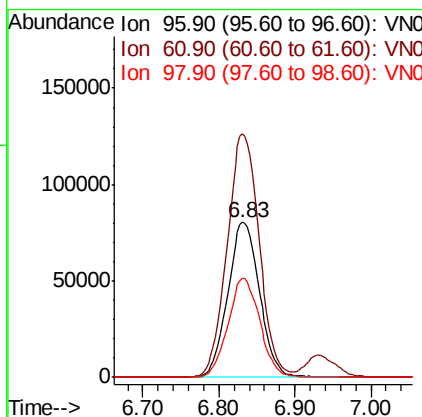
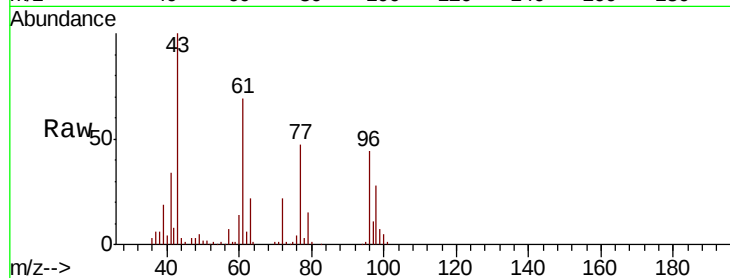
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	234709
Ion	Ratio	Lower	Upper
96	100		
61	157.6	0.0	316.2
98	63.9	0.0	126.6

Manual Integrations
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5/3/2019 1:10:32 PM



#28

Bromochloromethane

Concen: 48.746 ug/l

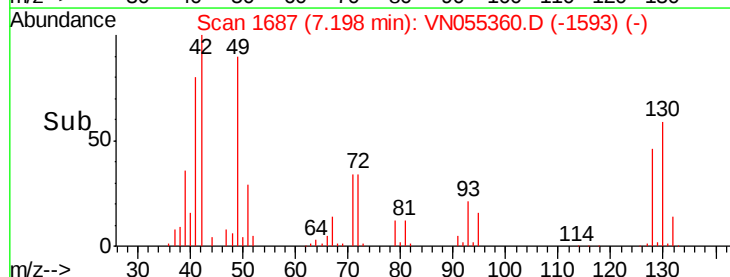
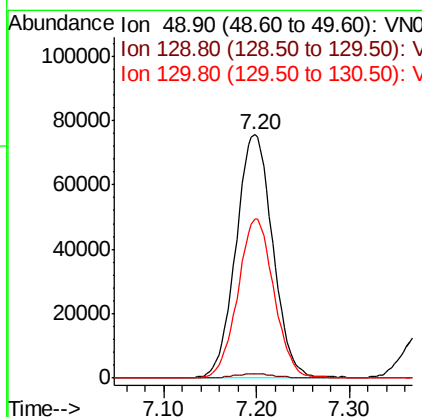
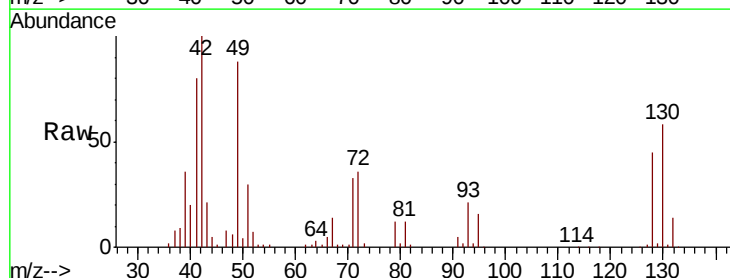
RT: 7.20 min Scan# 1687

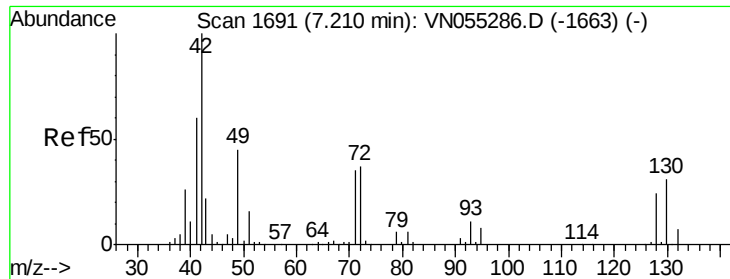
Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Tgt Ion:	49	Resp:	208312
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.4
130	64.1	52.0	78.0





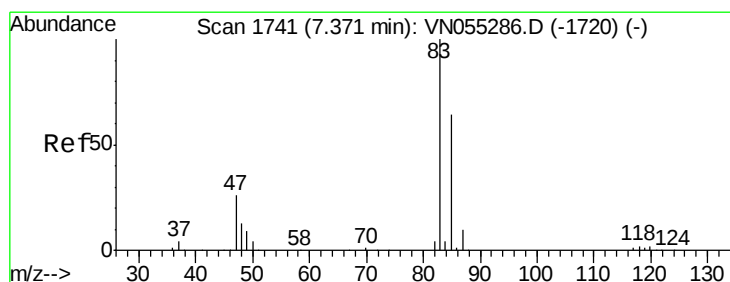
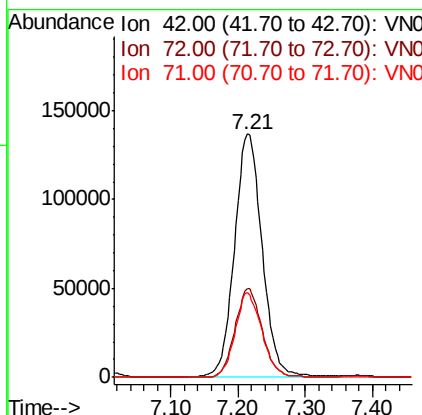
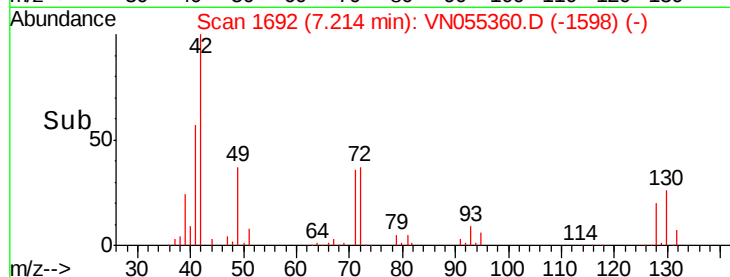
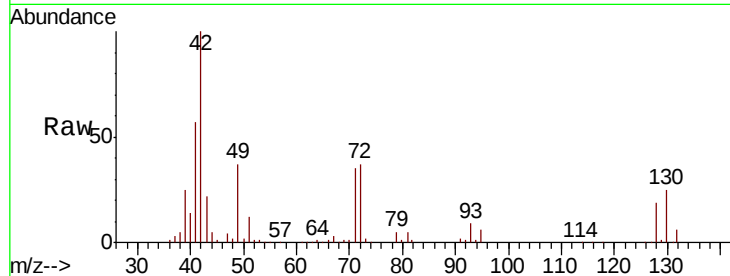
#29
Tetrahydrofuran
Concen: 297.956 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.8	29.0	43.6
71	33.7	27.1	40.7

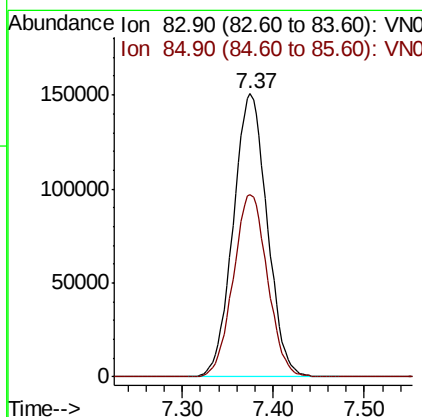
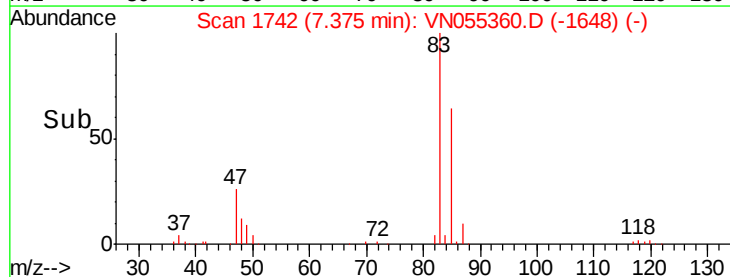
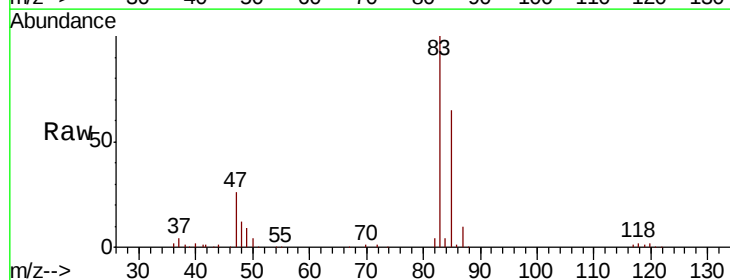
Manual Integrations
APPROVED

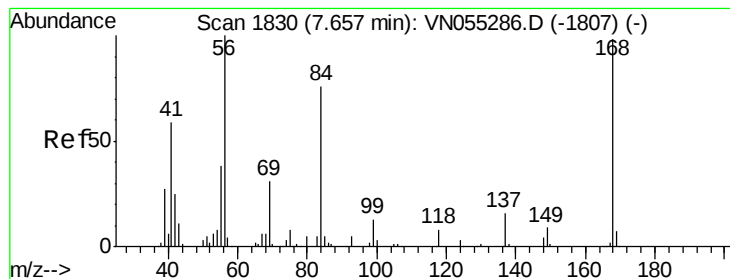
MMDadoda
5/3/2019 1:10:32 PM



#30
Chloroform
Concen: 48.649 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.2





#31

Cyclohexane

Concen: 45.293 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 364830

Ion Ratio Lower Upper

56 100

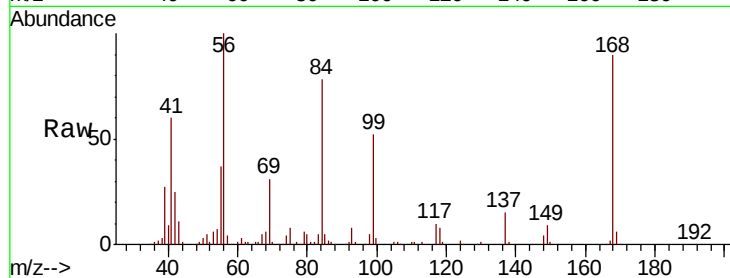
69 31.3 25.2 37.8

84 76.1 61.1 91.7

Manual Integrations
APPROVED

MMDadoda

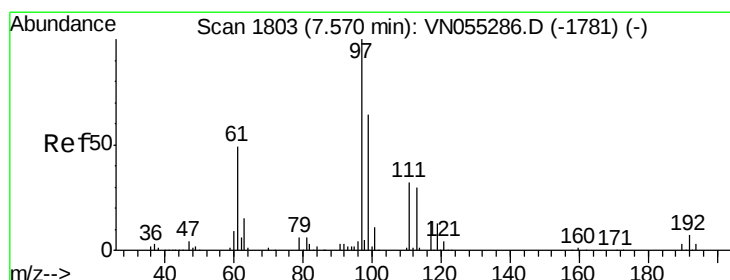
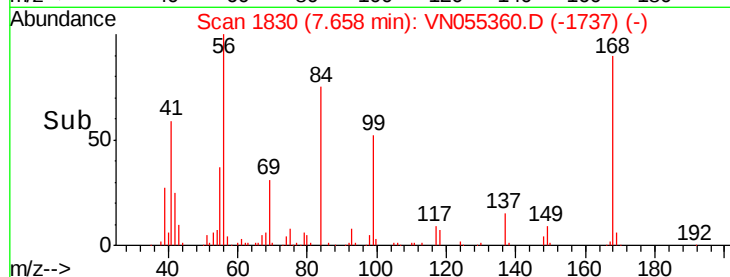
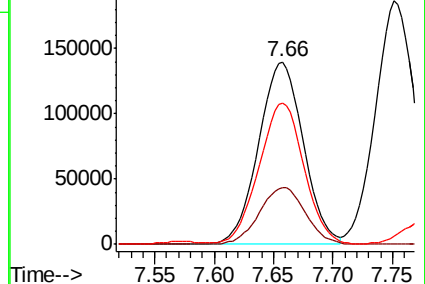
5/3/2019 1:10:32 PM



Abundance Ion 56.00 (55.70 to 56.70): VN055360.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN055360.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN055360.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 48.512 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Tgt Ion: 97 Resp: 316424

Ion Ratio Lower Upper

97 100

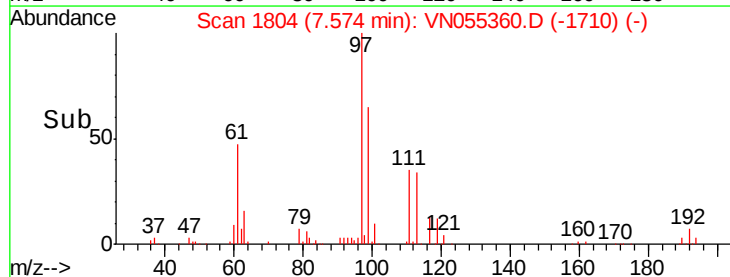
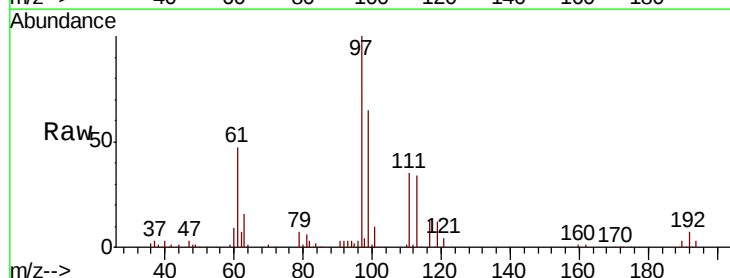
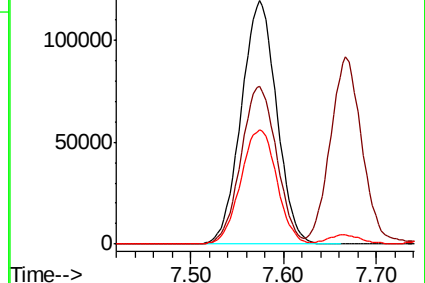
99 65.1 51.8 77.8

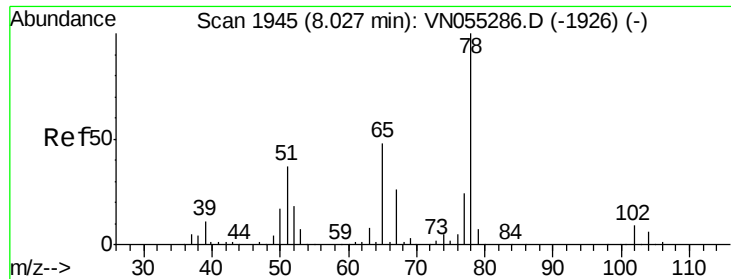
61 48.0 39.0 58.6

Abundance Ion 96.90 (96.60 to 97.60): VN055360.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN055360.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN055360.D (-1710) (-)





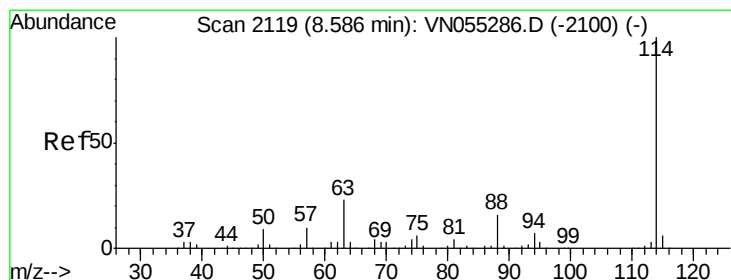
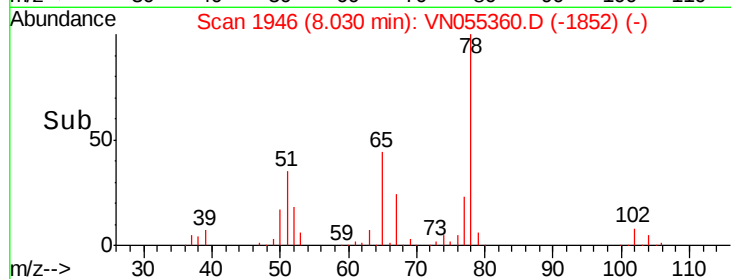
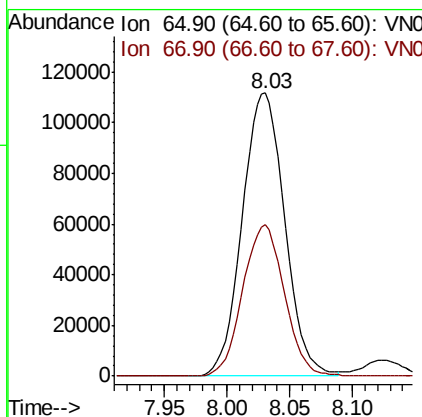
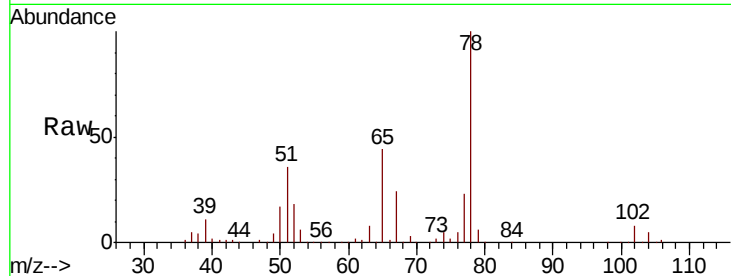
#33
 1,2-Dichloroethane-d4
 Concen: 51.385 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 263135
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.8

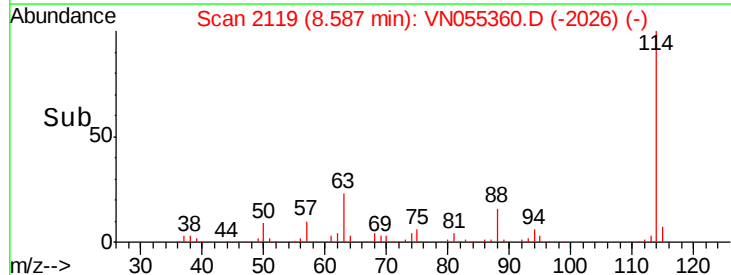
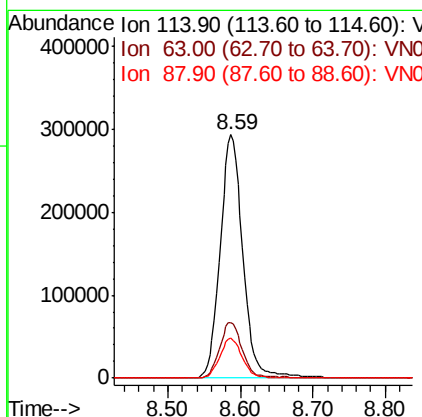
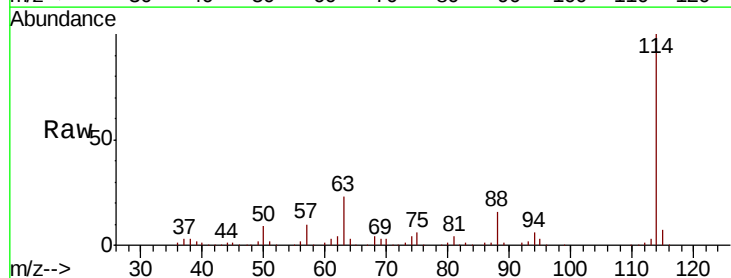
Manual Integrations
 APPROVED

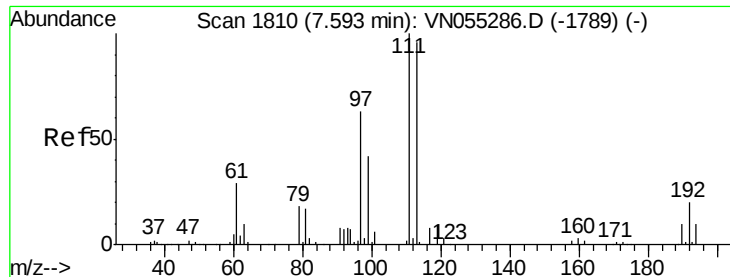
MMDadoda
 5/3/2019 1:10:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion: 114 Resp: 638252
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.2
 88 16.2 0.0 31.6





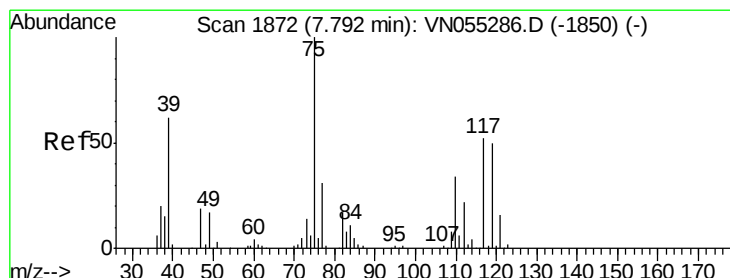
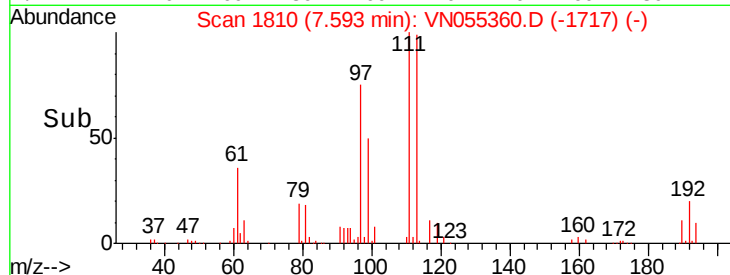
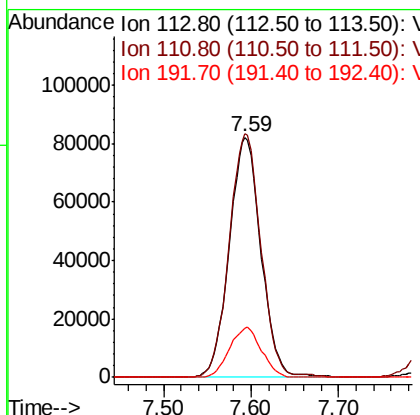
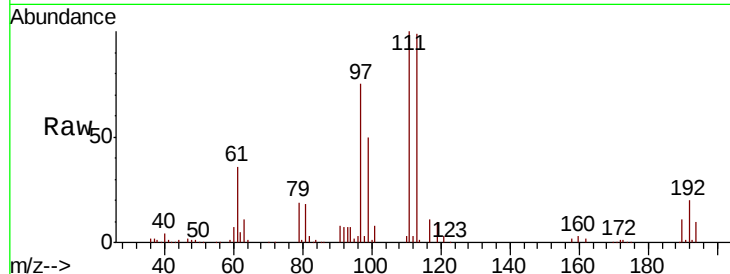
#35
 Dibromofluoromethane
 Concen: 49.179 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	206026		
111	101.0	82.3	123.5	
192	20.9	17.0	25.6	

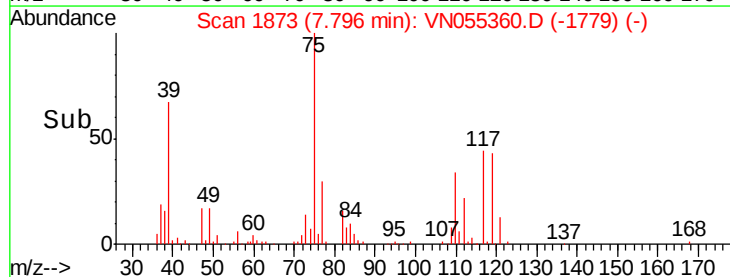
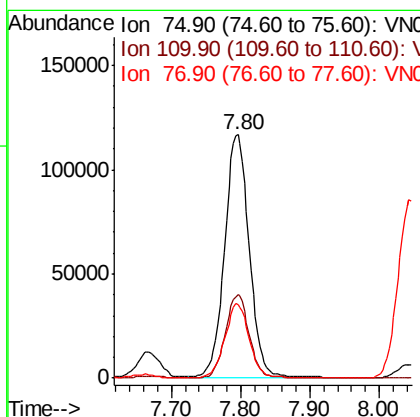
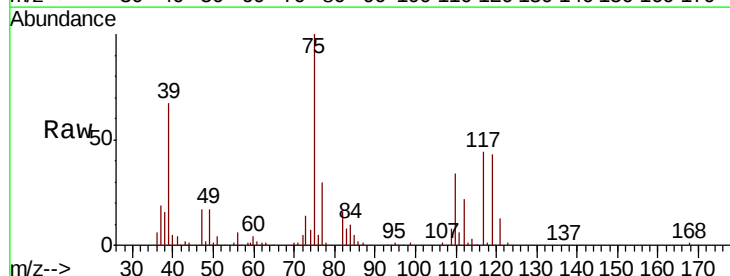
Manual Integrations
 APPROVED

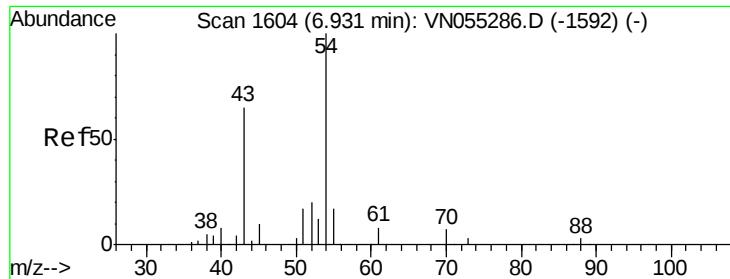
MMDadoda
 5/3/2019 1:10:32 PM



#36
 1,1-Dichloropropene
 Concen: 47.610 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	291060		
110	32.9	16.8	50.4	
77	30.4	25.0	37.6	





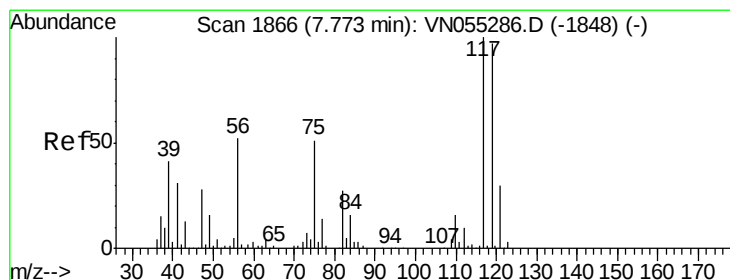
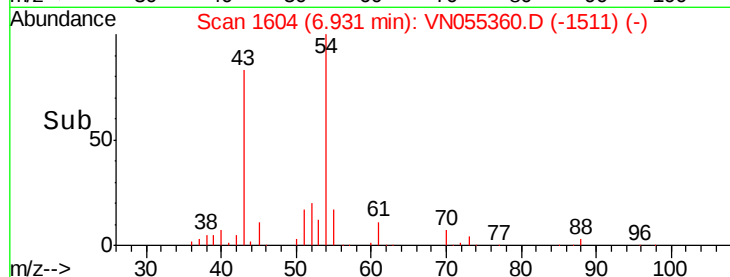
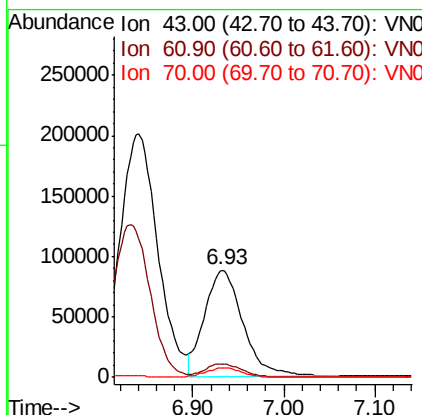
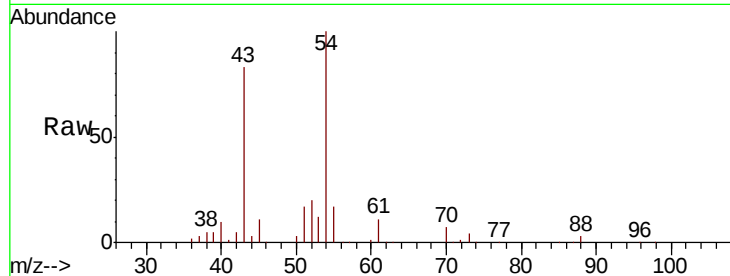
#37
Ethyl Acetate
Concen: 54.569 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.4	15.6
70	8.6	6.6	10.0

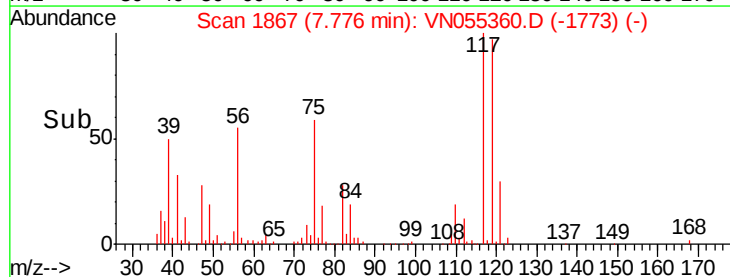
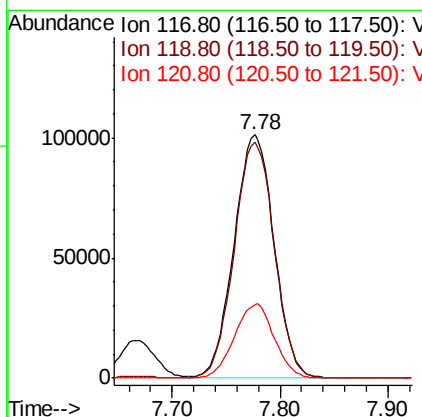
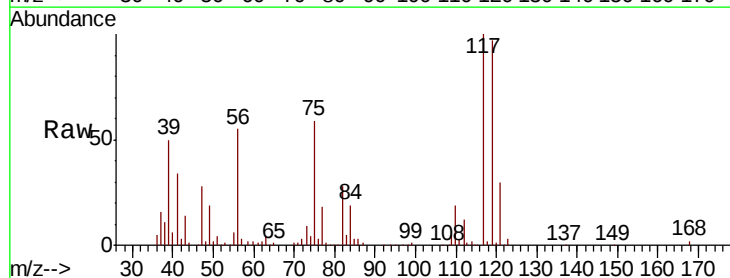
Manual Integrations
APPROVED

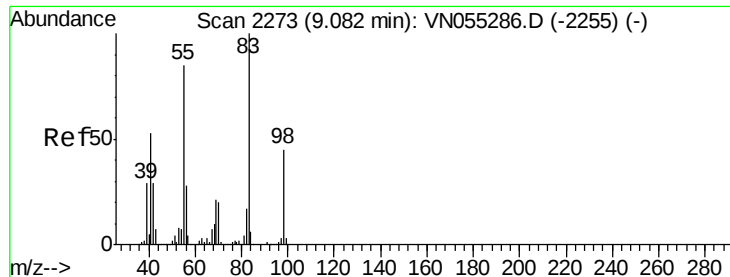
MMDadoda
5/3/2019 1:10:32 PM



#38
Carbon Tetrachloride
Concen: 44.193 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.6
121	30.1	23.8	35.8





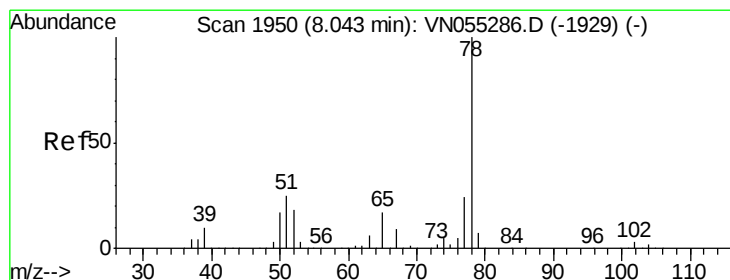
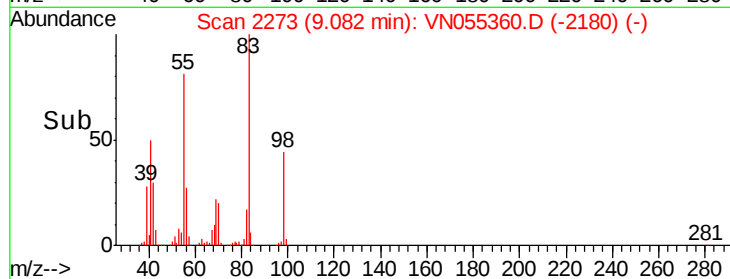
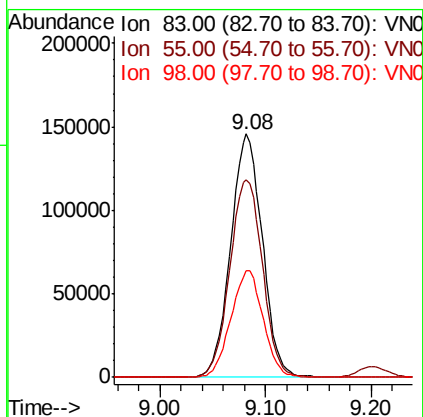
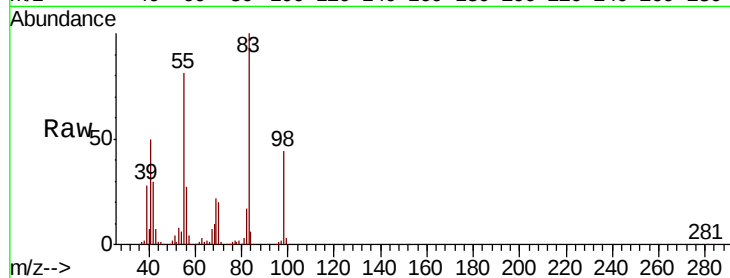
#39
Methylcyclohexane
Concen: 46.581 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.4	67.8	101.6
98	43.7	36.2	54.4

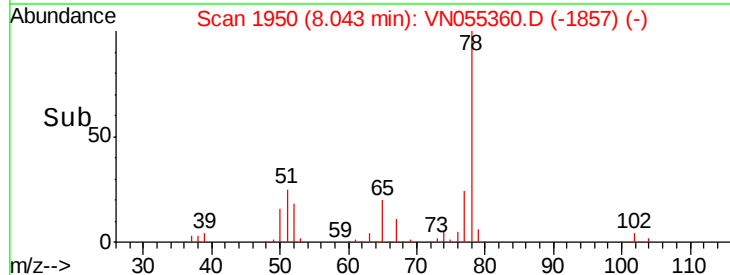
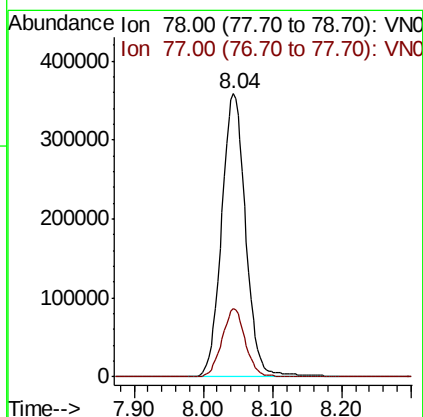
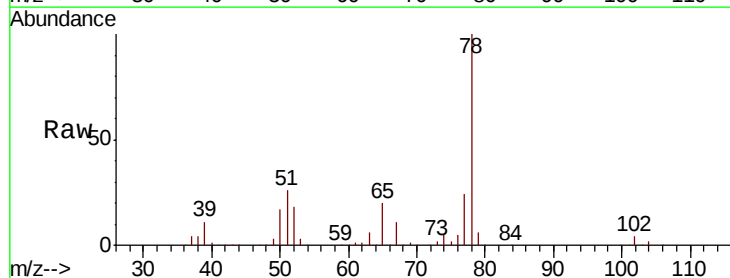
Manual Integrations
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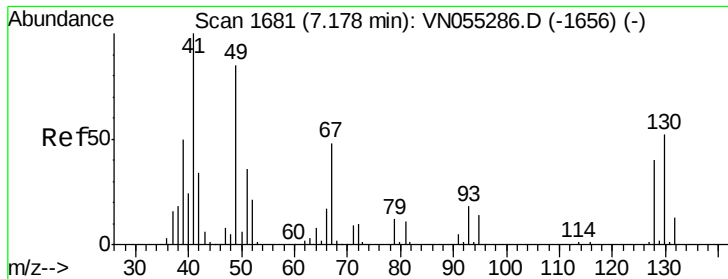
MMDadoda
5/3/2019 1:10:32 PM



#40
Benzene
Concen: 48.171 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





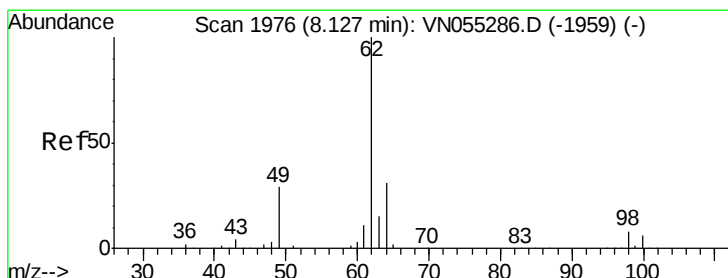
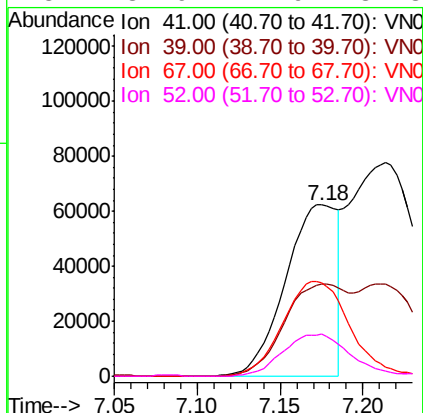
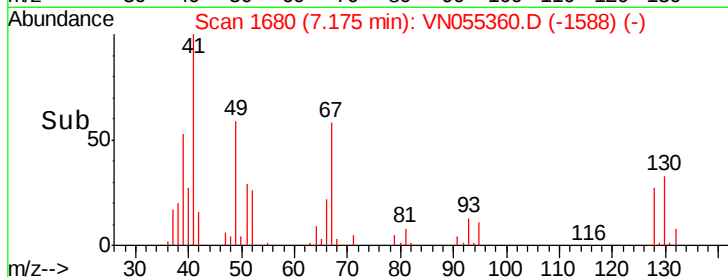
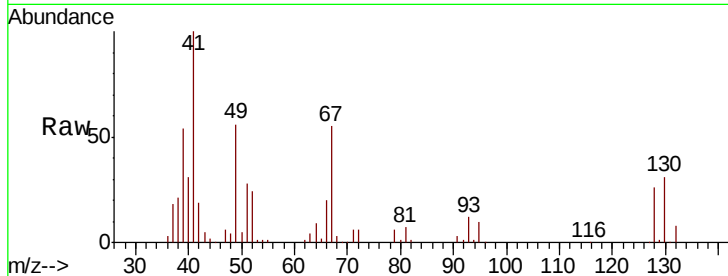
#41
Methacrylonitrile
Concen: 53.199 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.5	48.5	72.7
67	71.9	54.9	82.3
52	32.9	24.9	37.3

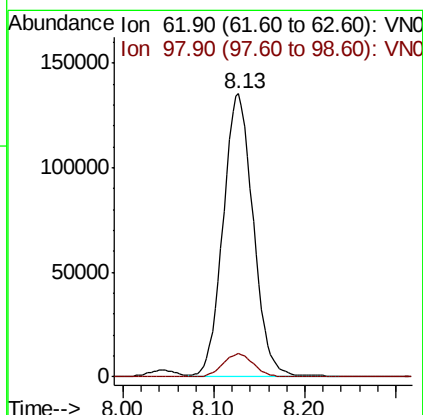
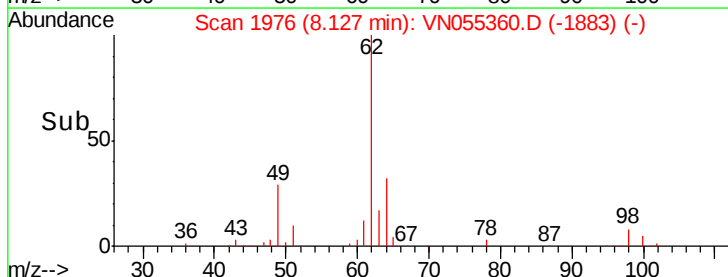
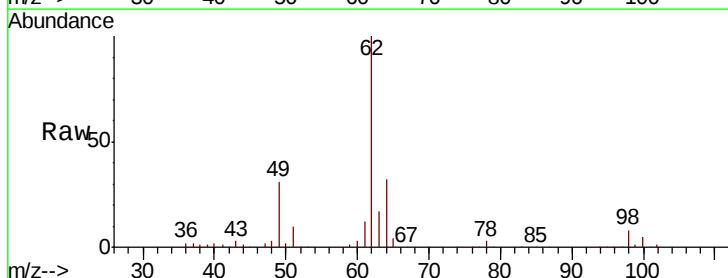
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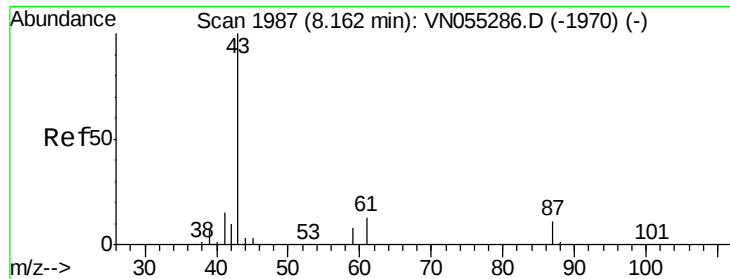
MMDadoda
5/3/2019 1:10:32 PM



#42
1,2-Dichloroethane
Concen: 48.691 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43

Isopropyl Acetate

Concen: 60.259 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

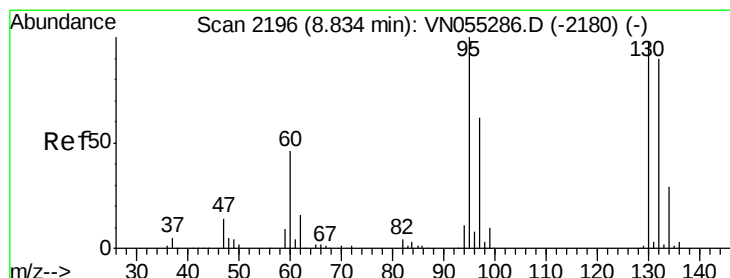
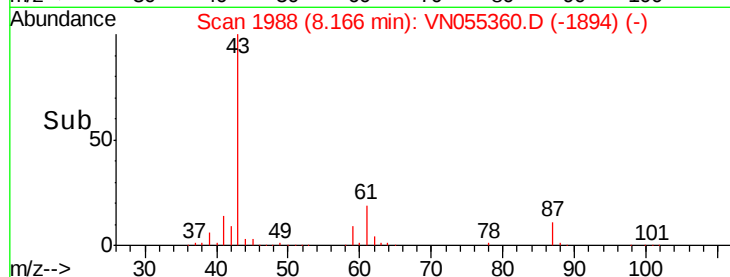
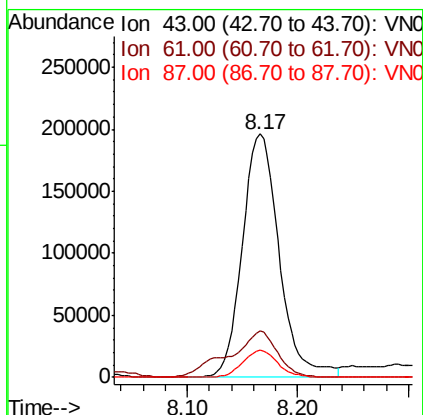
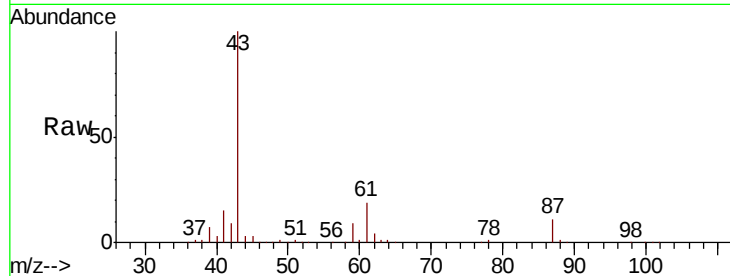
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	453741
Ion	Ratio	Lower	Upper
43	100		
61	24.4	20.8	31.2
87	10.6	8.5	12.7

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#44

Trichloroethene

Concen: 47.415 ug/l

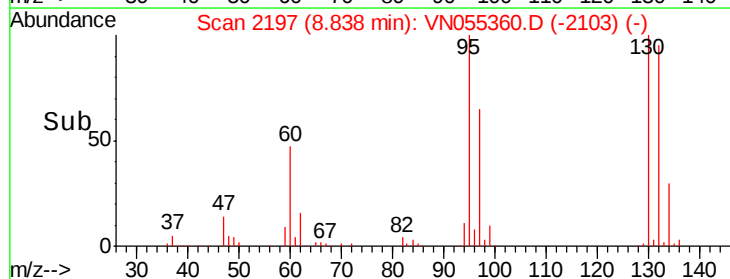
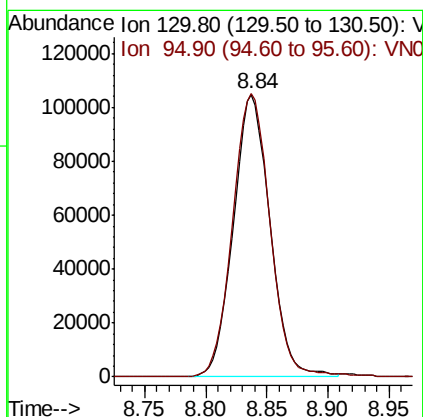
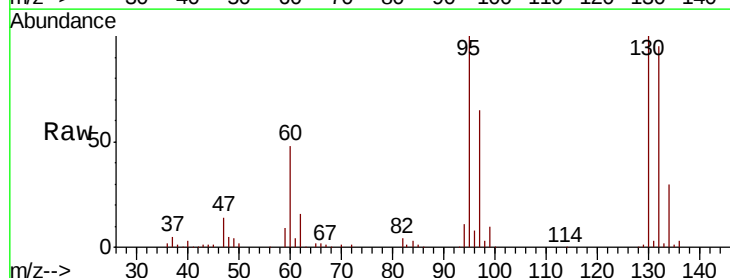
RT: 8.84 min Scan# 2197

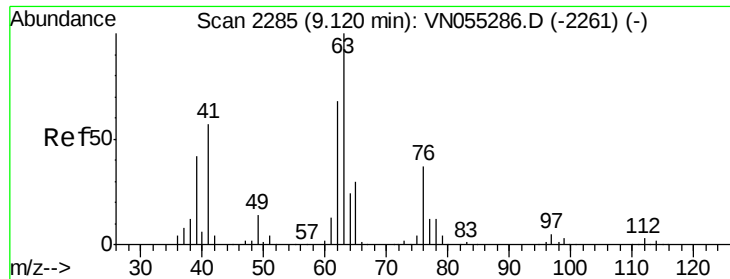
Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Tgt Ion:	130	Resp:	217840
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.4





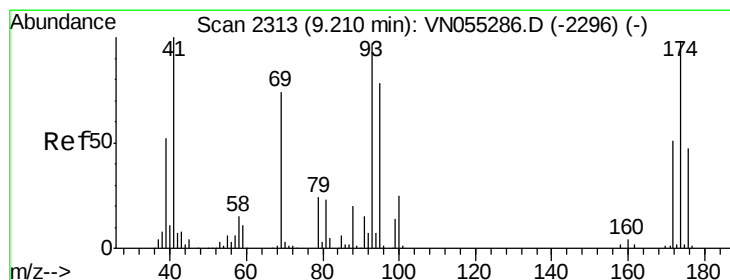
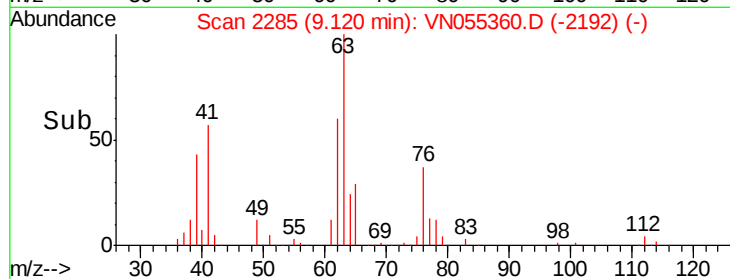
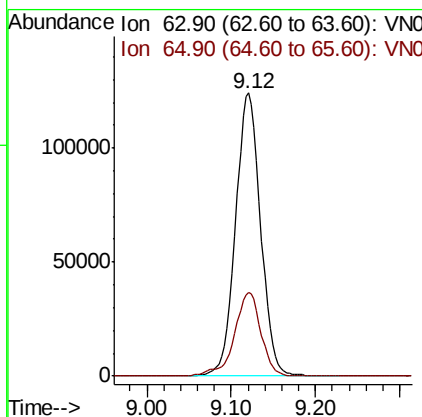
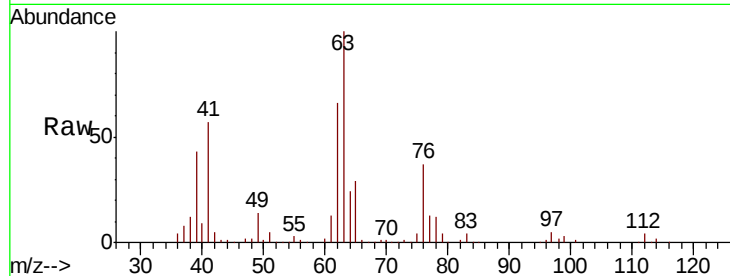
#45
 1,2-Dichloropropane
 Concen: 49.569 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 257651
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.9 35.9

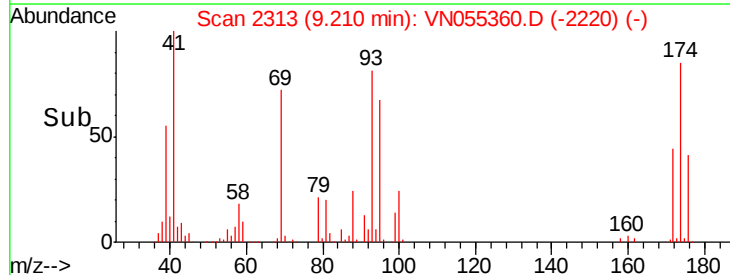
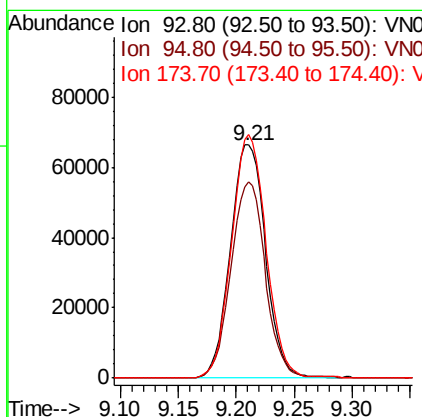
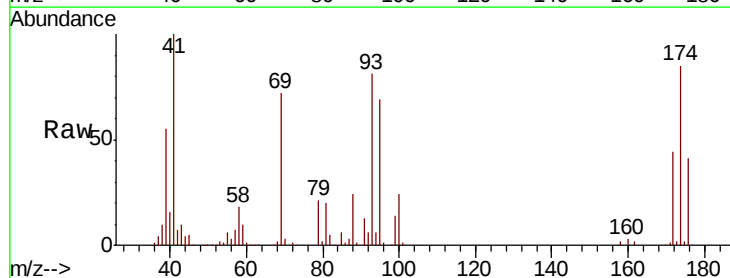
Manual Integrations
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 5/3/2019 1:10:32 PM



#46
 Dibromomethane
 Concen: 49.070 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion: 93 Resp: 139416
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.7 98.5
 174 102.7 81.5 122.3





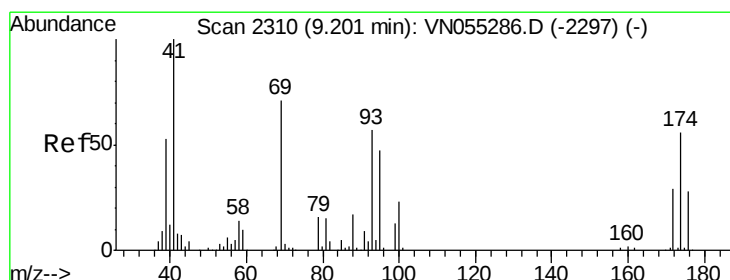
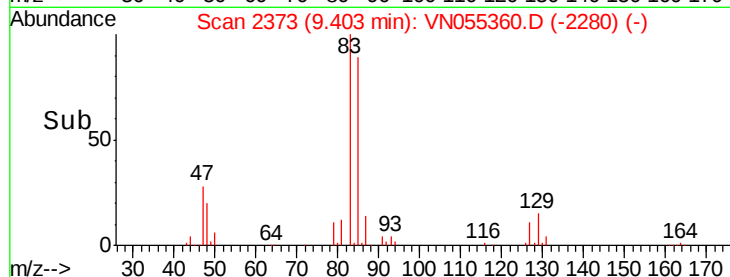
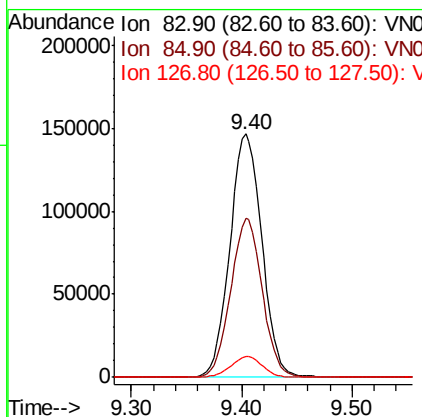
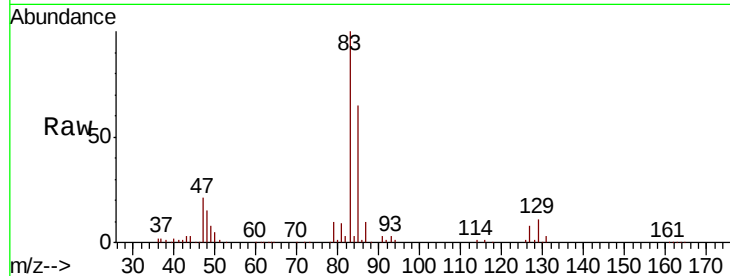
#47
Bromodichloromethane
Concen: 48.394 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	294973		
85	65.3		50.1	75.1
127	8.4		6.7	10.1

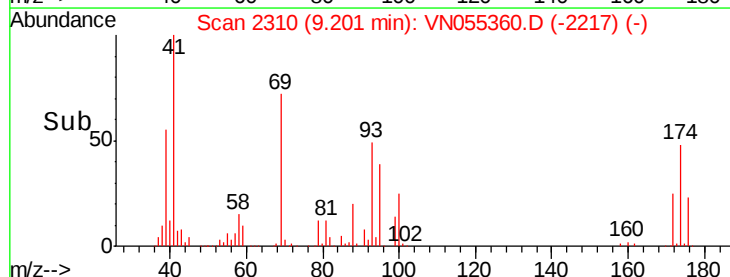
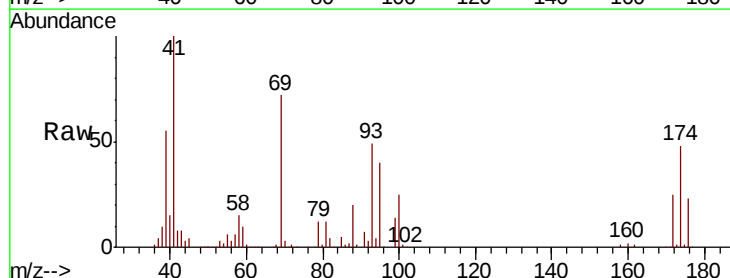
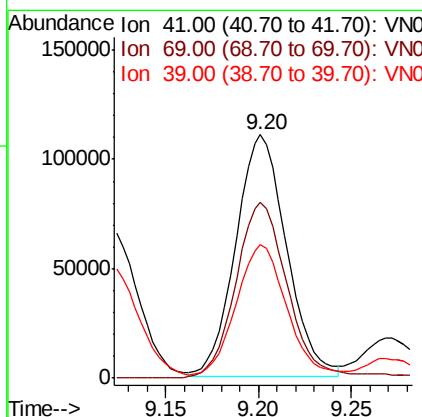
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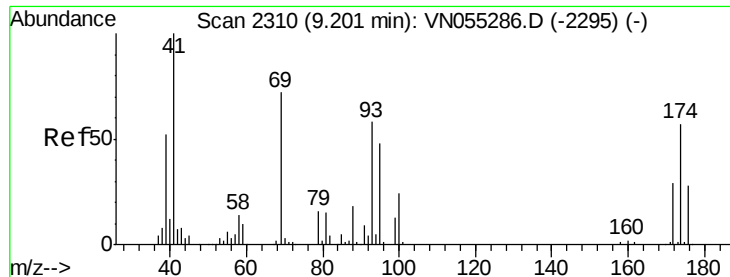
MMDadoda
5/3/2019 1:10:32 PM



#48
Methyl methacrylate
Concen: 56.766 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	210130		
69	74.6		58.6	87.8
39	54.8		43.8	65.6





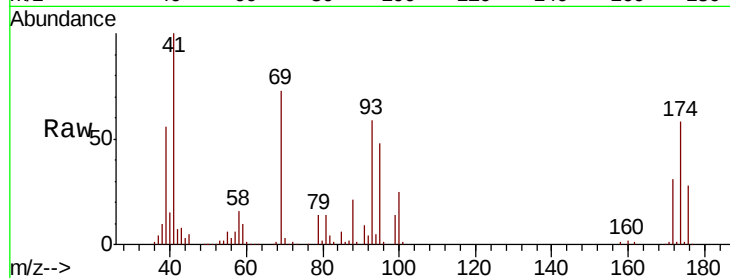
#49
1,4-Dioxane
Concen: 1217.209 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

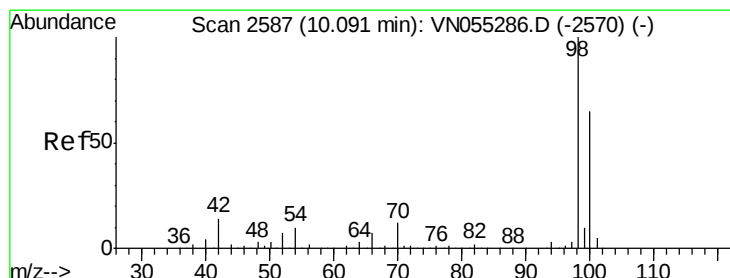
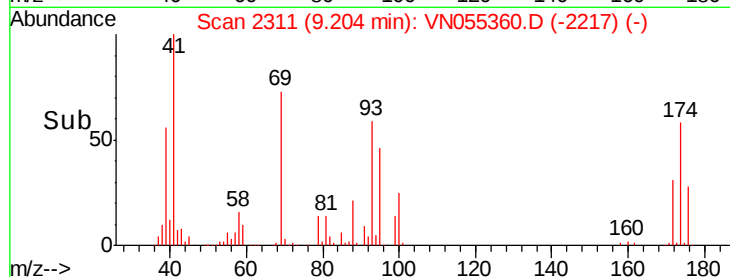
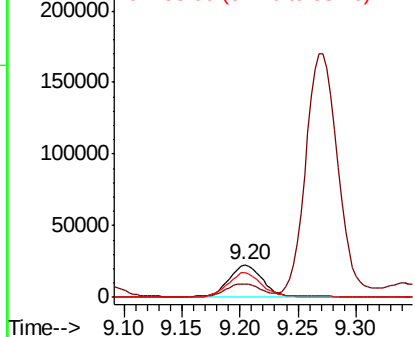
Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.8	33.3	49.9
58	77.7	62.7	94.1

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5/3/2019 1:10:32 PM

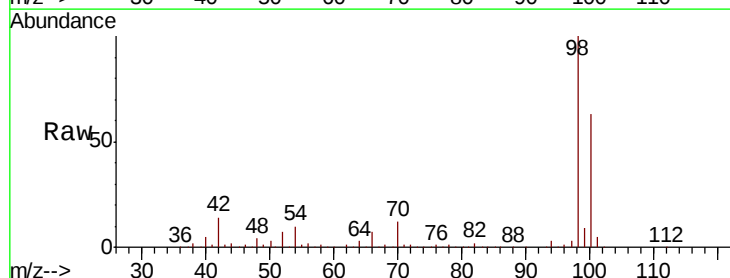


Abundance Ion 88.00 (87.70 to 88.70): VN055360.D (-2217) (-)
Ion 43.00 (42.70 to 43.70): VN055360.D (-2217) (-)
Ion 58.00 (57.70 to 58.70): VN055360.D (-2217) (-)

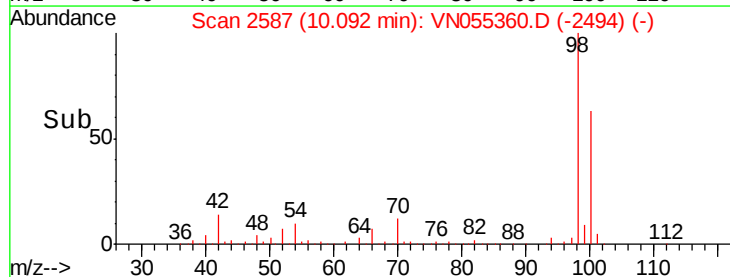
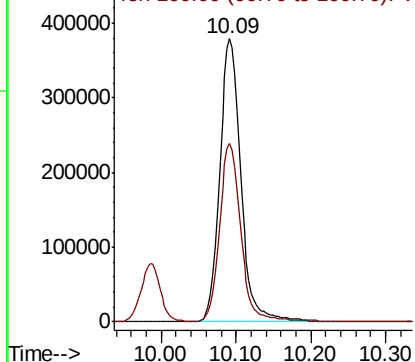


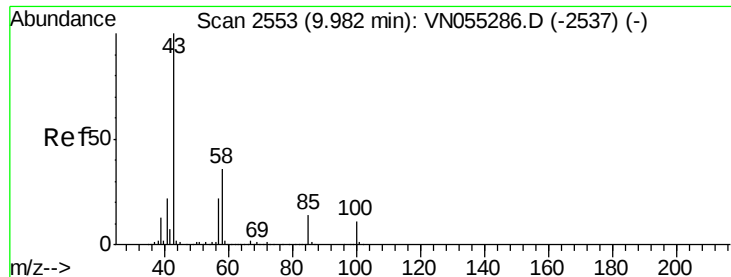
#50
Toluene-d8
Concen: 49.063 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055360.D (-2494) (-)
Ion 100.00 (99.70 to 100.70): VN055360.D (-2494) (-)





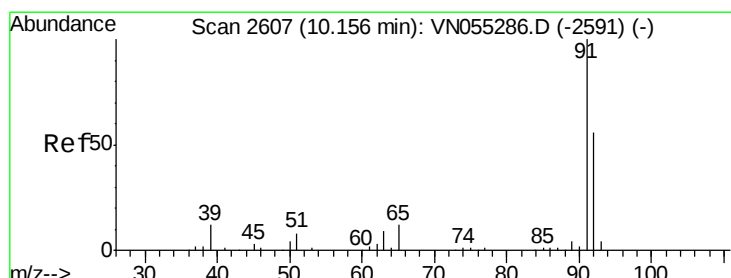
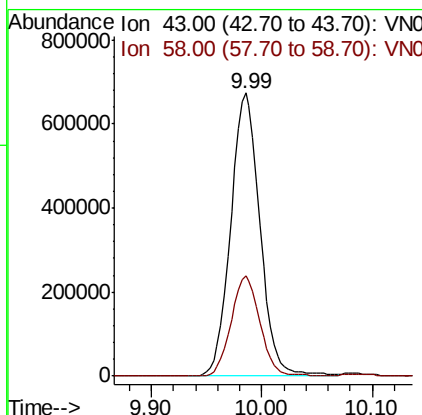
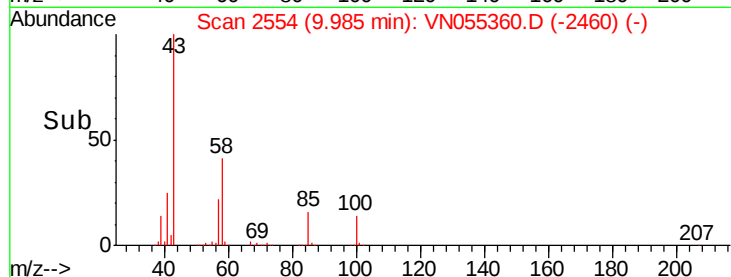
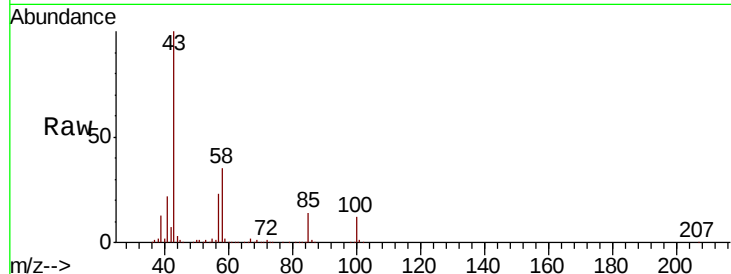
#51
4-Methyl-2-Pentanone
Concen: 291.647 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1236409
Ion Ratio Lower Upper
43 100
58 35.0 28.5 42.7

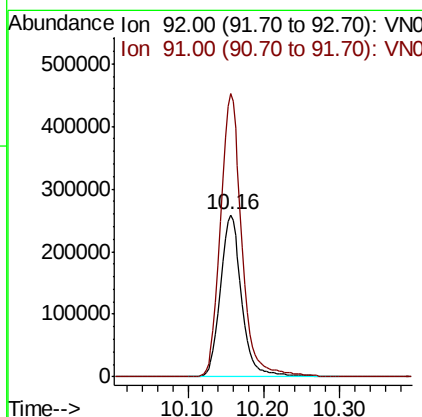
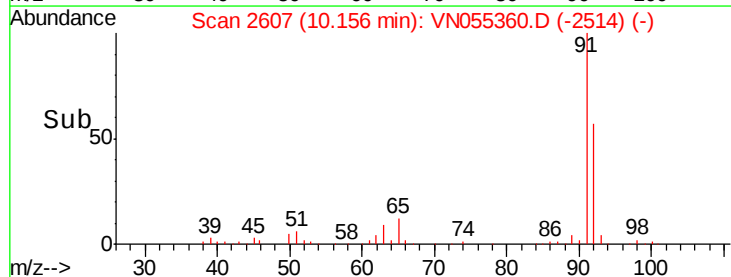
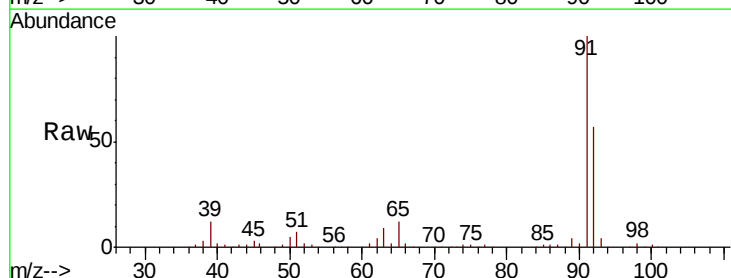
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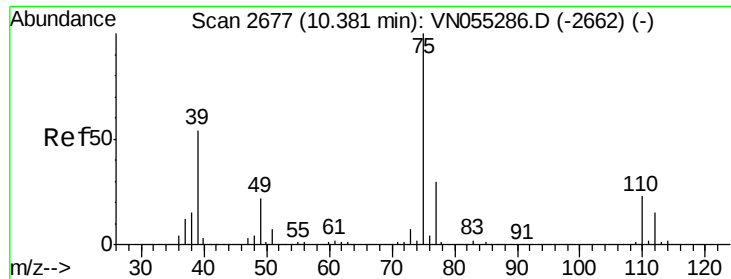
MMDadoda
5/3/2019 1:10:32 PM



#52
Toluene
Concen: 48.640 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion: 92 Resp: 502968
Ion Ratio Lower Upper
92 100
91 175.6 140.1 210.1





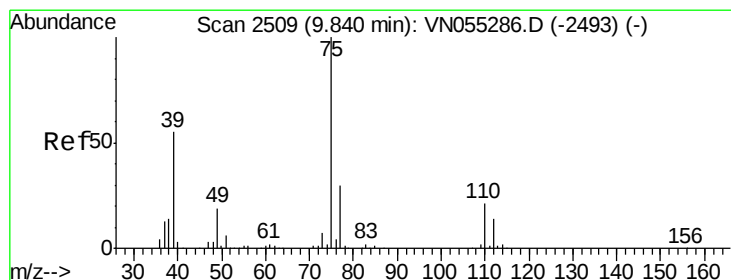
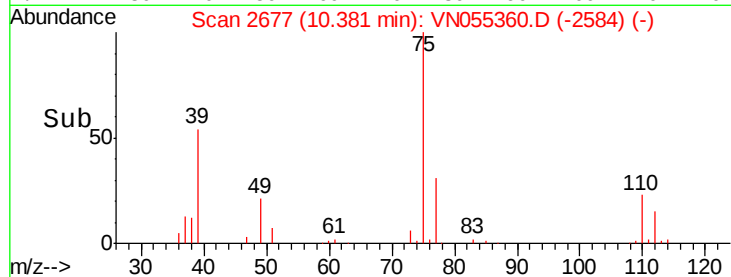
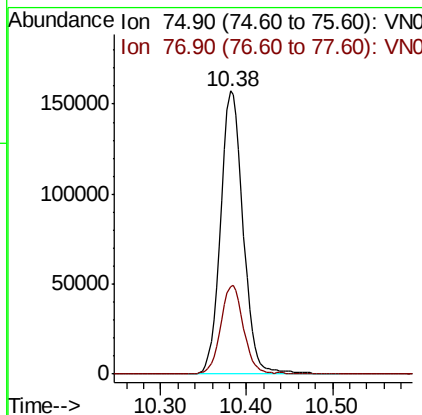
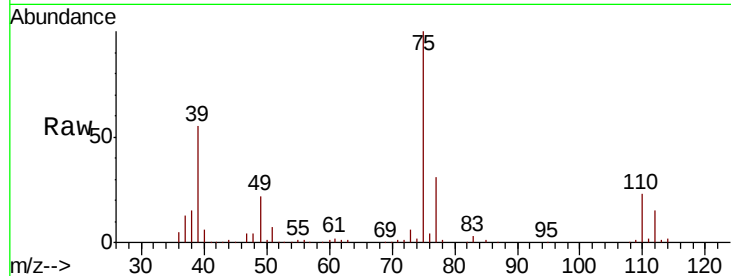
#53
 t-1,3-Dichloropropene
 Concen: 54.279 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 287204
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.4 36.6

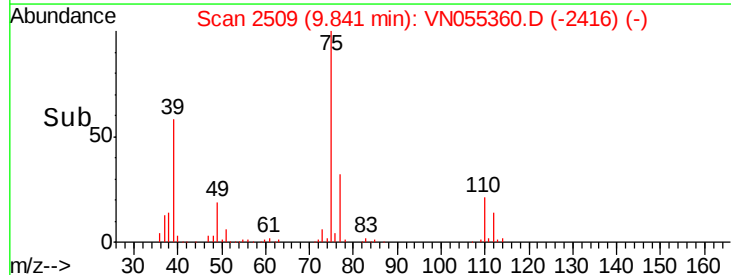
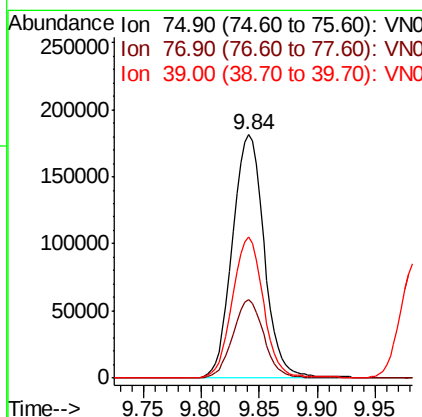
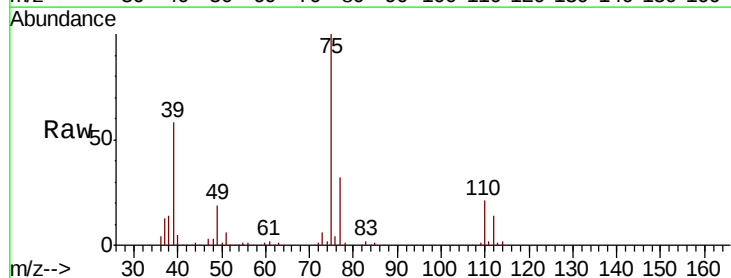
Manual Integrations
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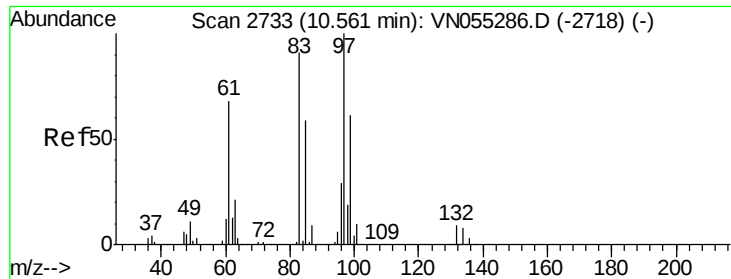
MMDadoda
 5/3/2019 1:10:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.068 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion: 75 Resp: 343504
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.2 36.2
 39 57.7 44.2 66.2





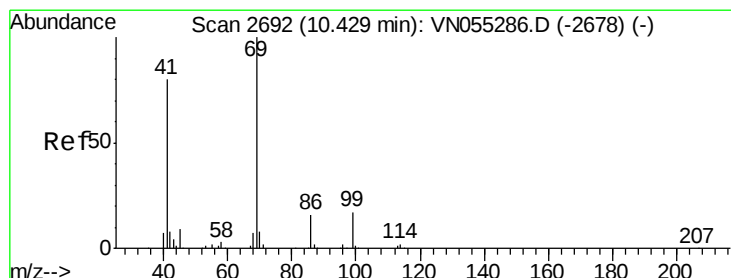
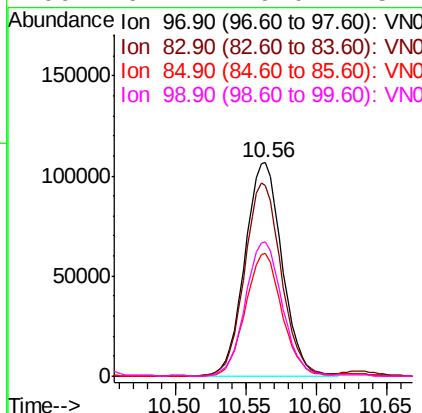
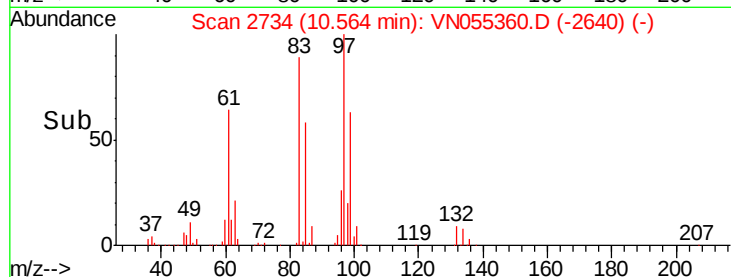
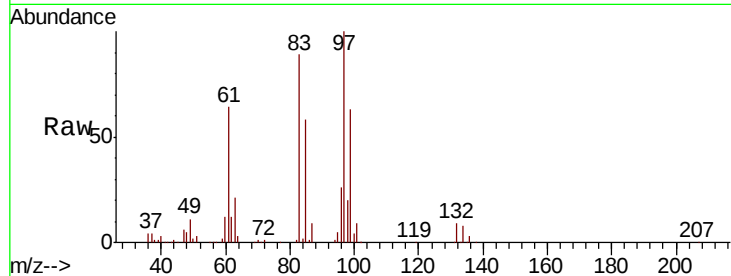
#55
 1,1,2-Trichloroethane
 Concen: 51.498 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.8	109.2
85	57.5	47.0	70.6
99	62.4	49.0	73.4

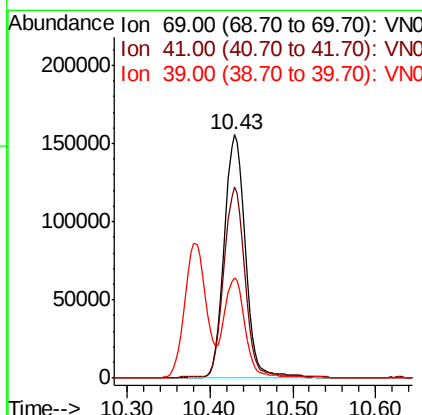
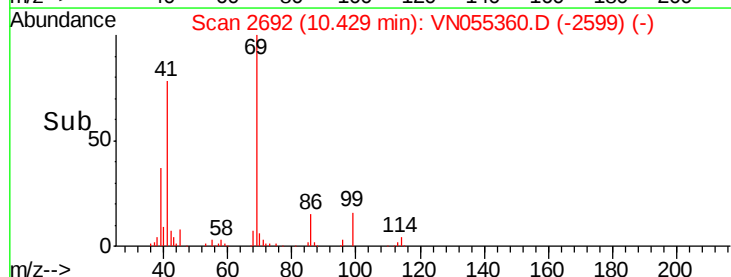
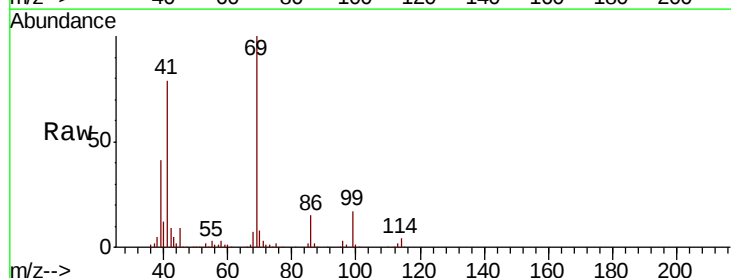
Manual Integrations
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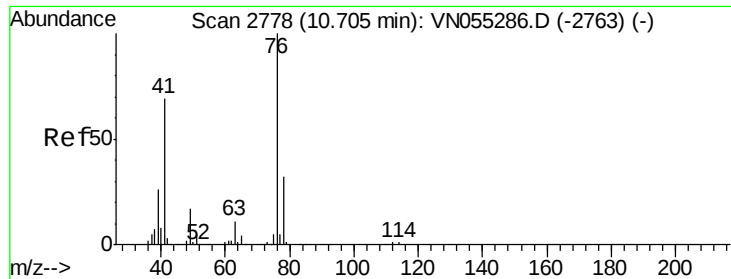
MMDadoda
 5/3/2019 1:10:32 PM



#56
 Ethyl methacrylate
 Concen: 58.481 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.2	62.7	94.1
39	40.9	32.0	48.0





#57

1,3-Dichloropropane

Concen: 51.109 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 344278

Ion Ratio Lower Upper

76 100

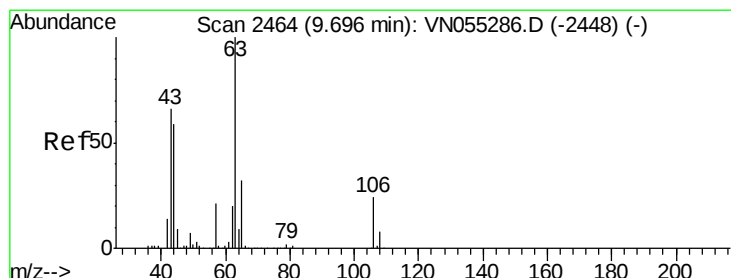
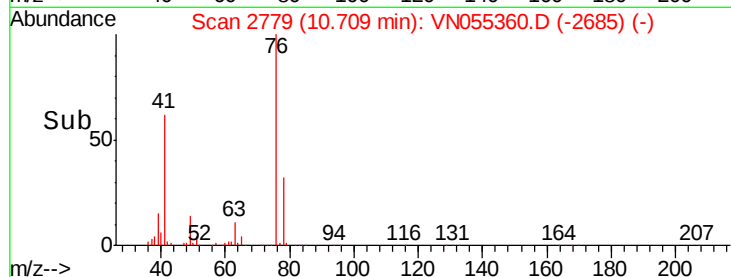
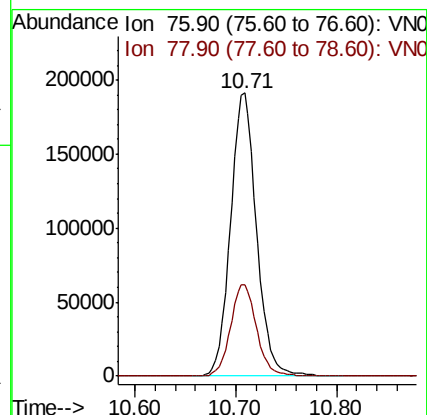
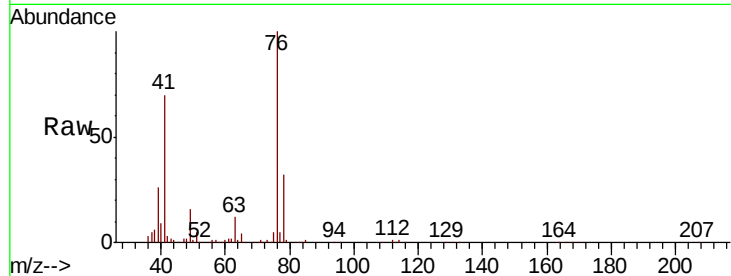
78 32.5 25.6 38.4

Manual Integrations

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5/3/2019 1:10:32 PM



#58

2-Chloroethyl Vinyl ether

Concen: 270.162 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055360.D

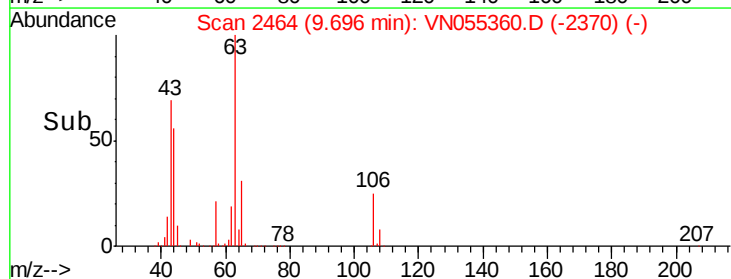
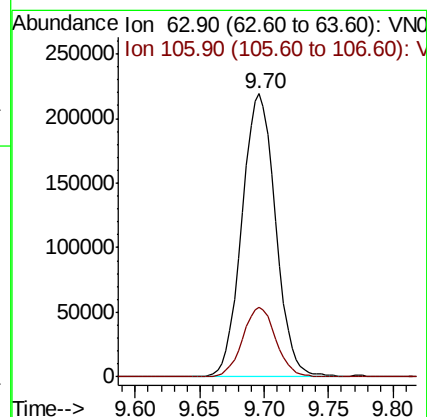
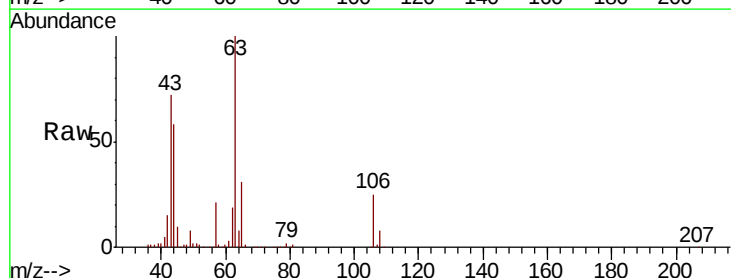
Acq: 2 May 2019 19:41

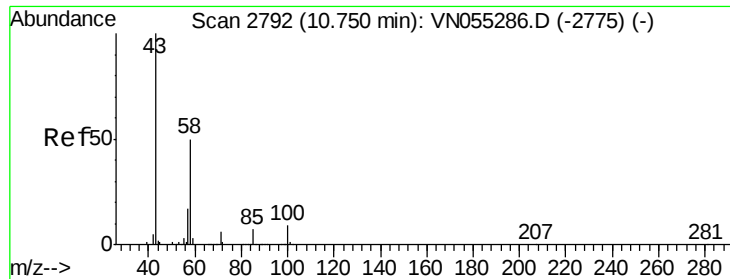
Tgt Ion: 63 Resp: 397815

Ion Ratio Lower Upper

63 100

106 24.3 19.0 28.4





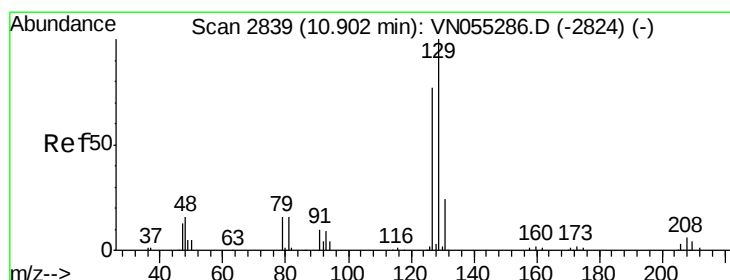
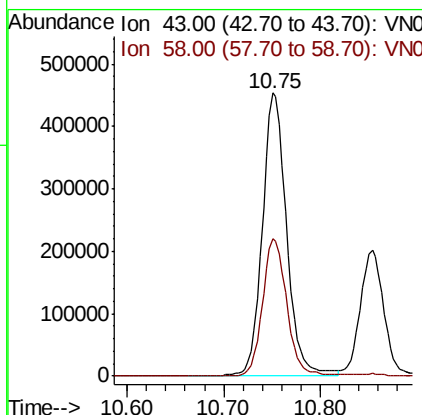
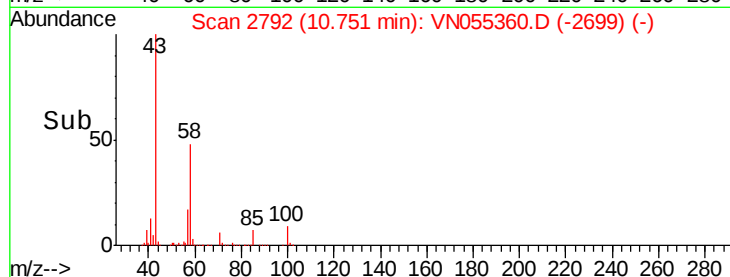
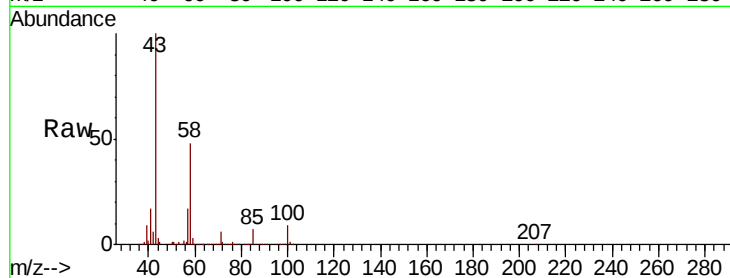
#59
2-Hexanone
Concen: 297.756 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 789808
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.6

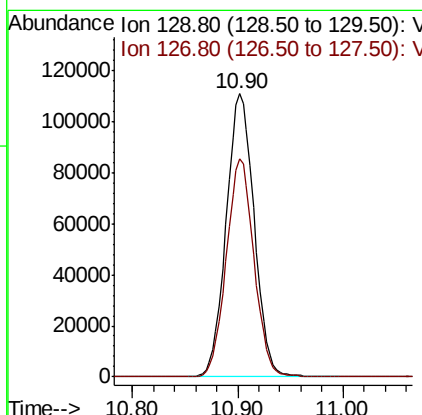
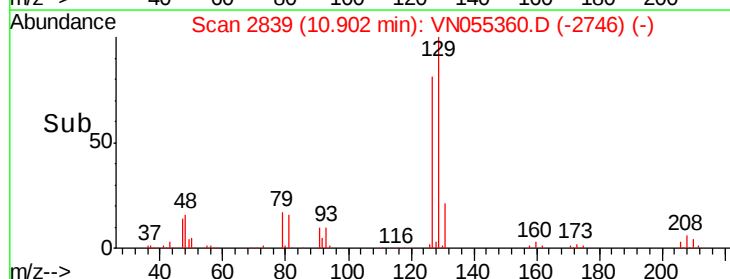
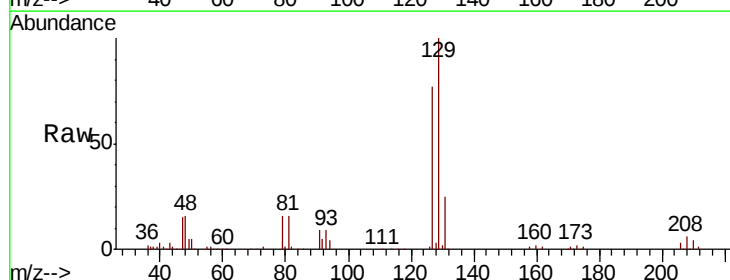
Manual Integrations
APPROVED

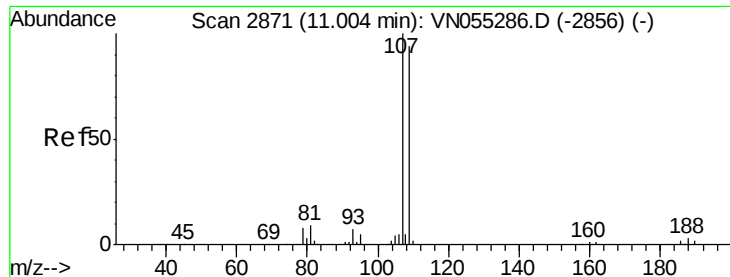
MMDadoda
5/3/2019 1:10:32 PM



#60
Dibromochloromethane
Concen: 51.792 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion: 129 Resp: 203258
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.5





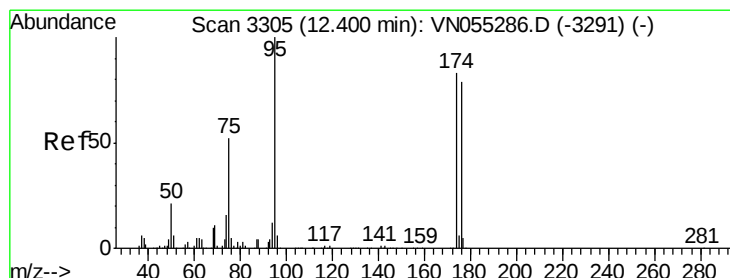
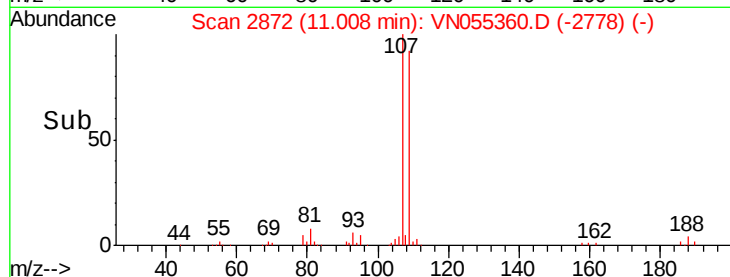
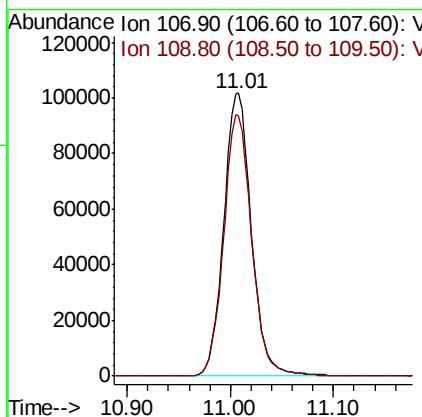
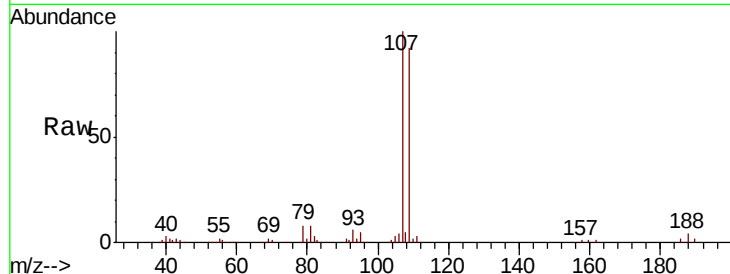
#61
 1,2-Dibromoethane
 Concen: 53.532 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 189995
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.0 112.6

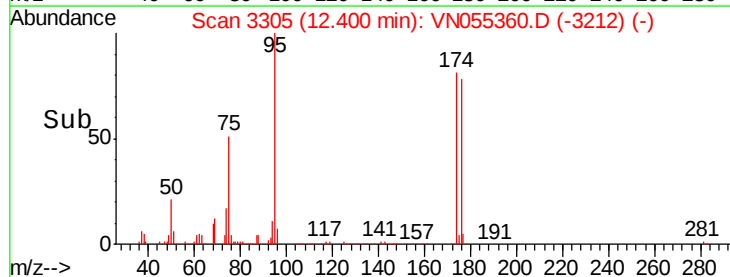
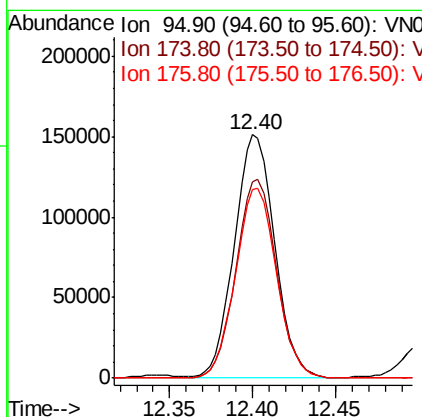
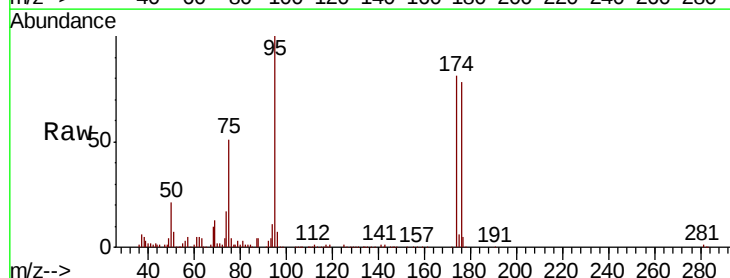
Manual Integrations
 APPROVED

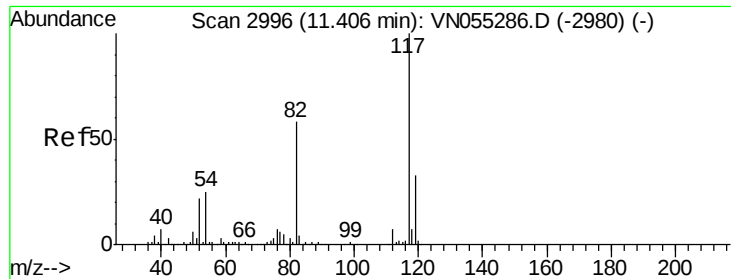
MMDadoda
 5/3/2019 1:10:32 PM



#62
 4-Bromofluorobenzene
 Concen: 53.879 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion: 95 Resp: 254724
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 166.6
 176 79.9 0.0 157.8





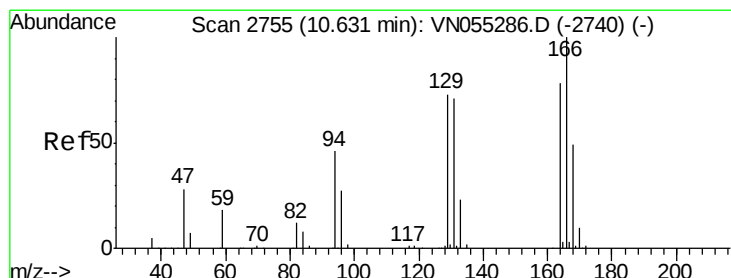
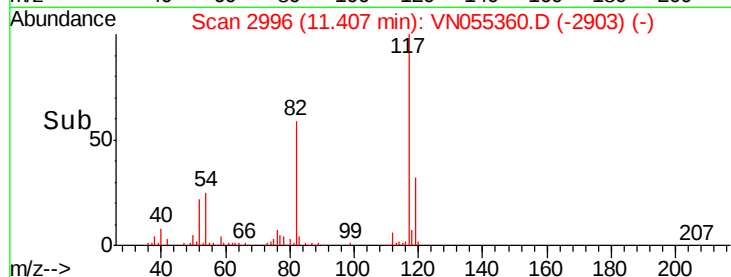
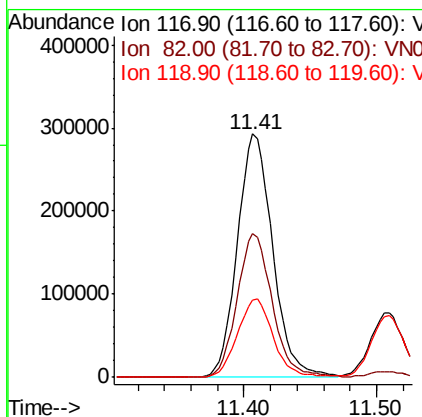
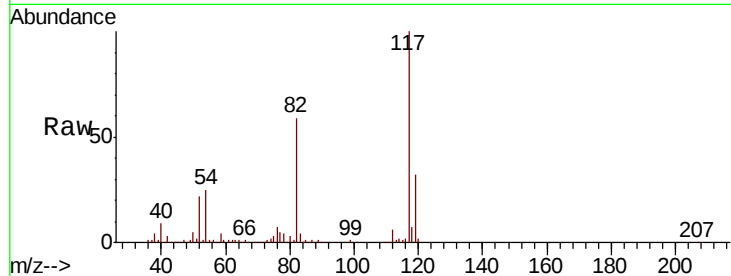
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	542975		
82	58.9	46.2	69.4	
119	31.9	26.6	40.0	

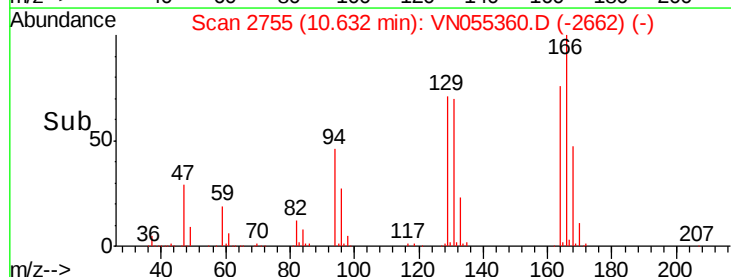
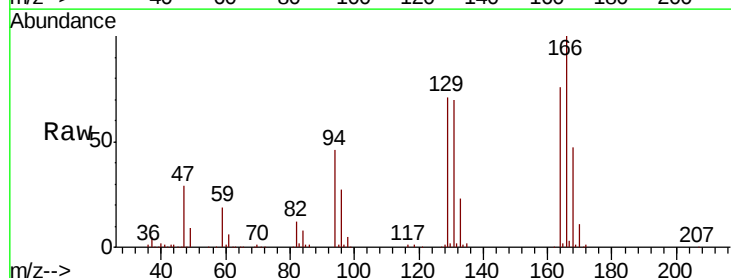
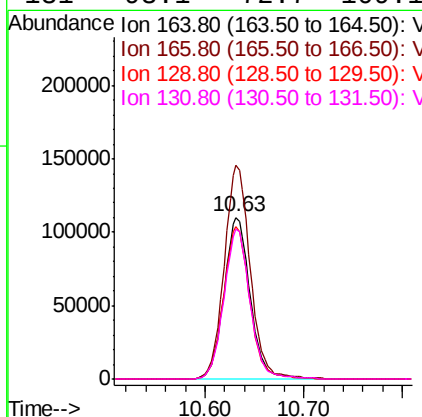
Manual Integrations
APPROVED

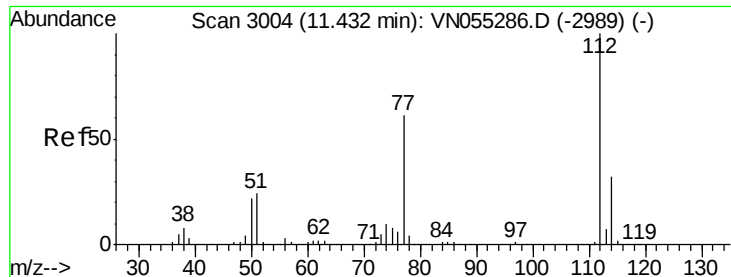
MMDadoda
5/3/2019 1:10:32 PM



#64
Tetrachloroethene
Concen: 46.049 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204470		
166	132.3	102.3	153.5	
129	94.5	75.0	112.6	
131	93.1	72.7	109.1	





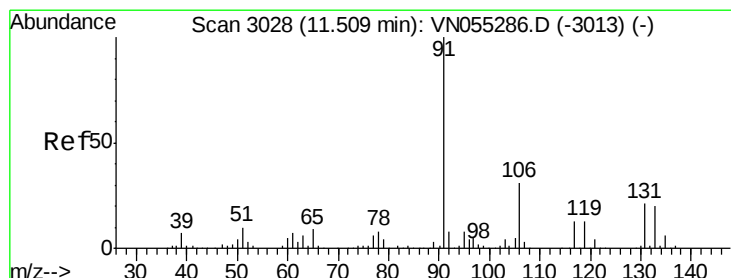
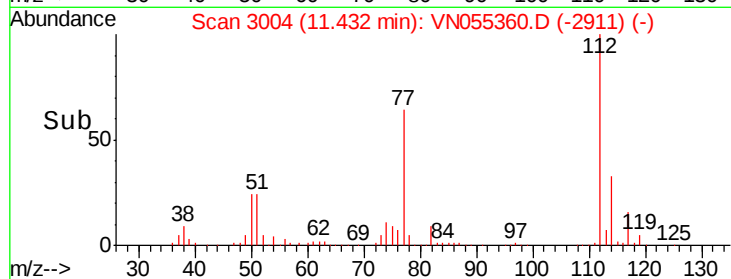
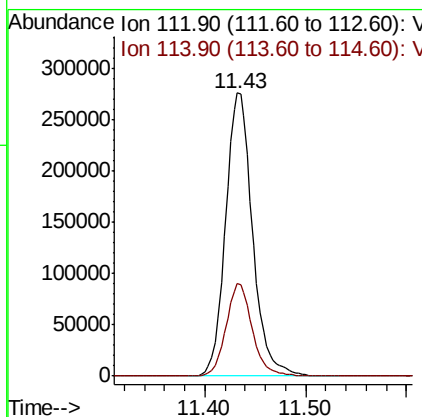
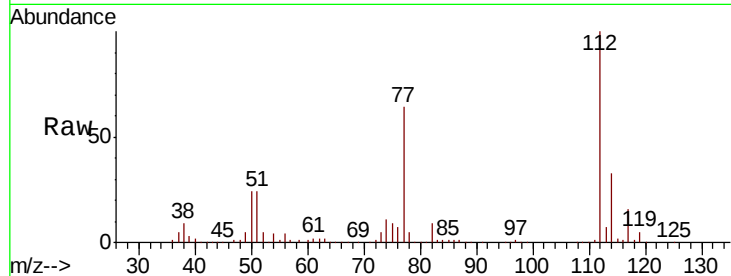
#65
Chlorobenzene
Concen: 48.465 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 514504
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

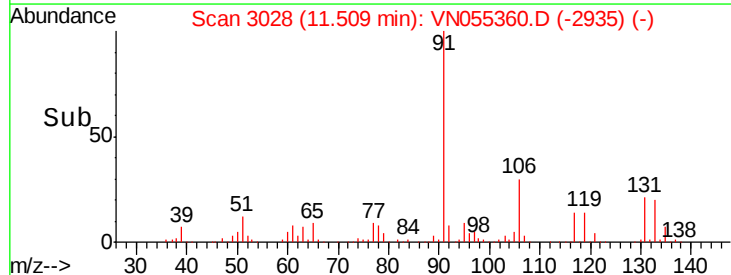
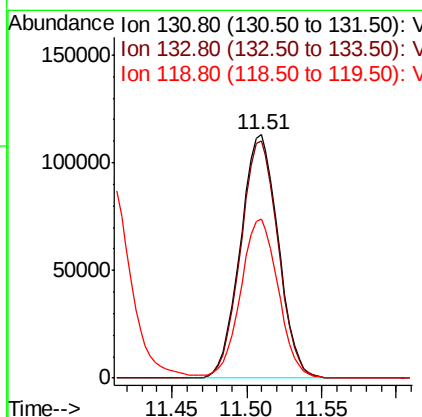
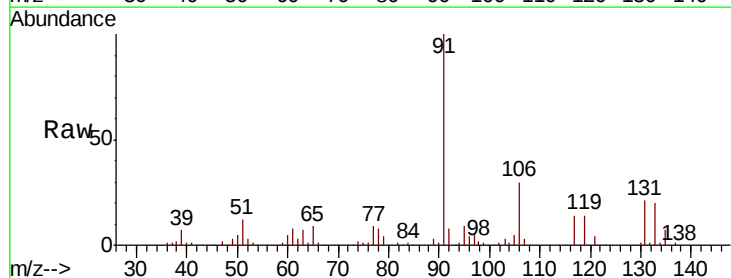
Manual Integrations
APPROVED

MMDadoda
5/3/2019 1:10:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.930 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion:131 Resp: 199238
Ion Ratio Lower Upper
131 100
133 96.8 47.5 142.6
119 64.8 32.7 98.1





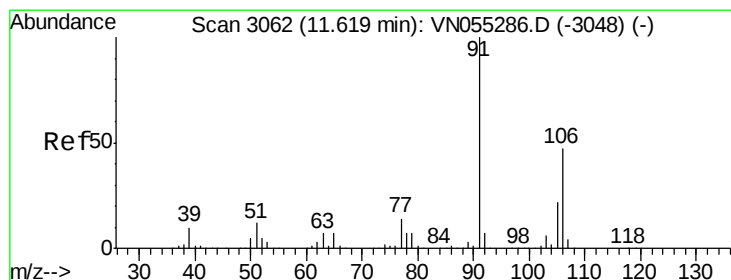
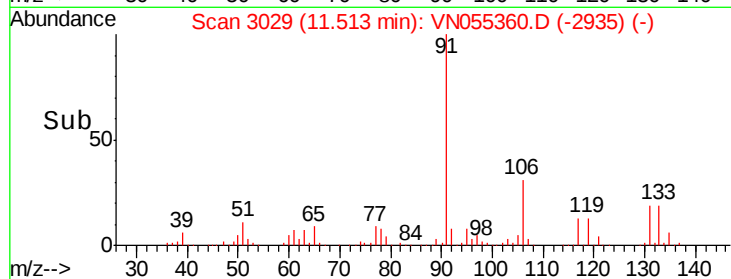
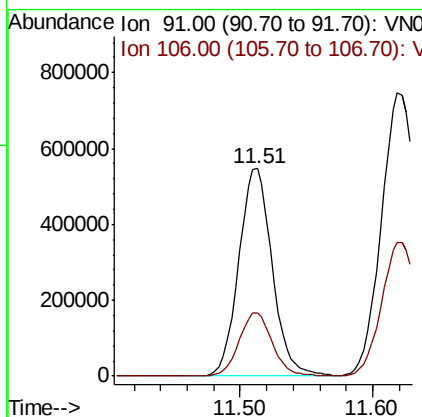
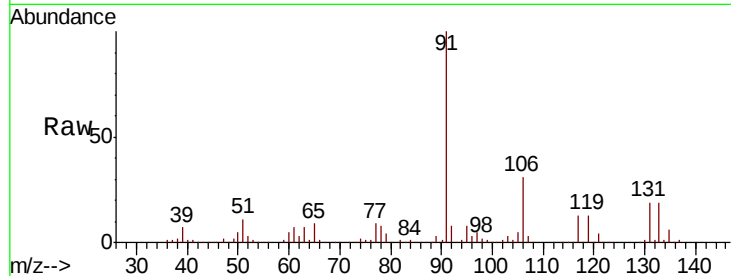
#67
Ethyl Benzene
Concen: 50.063 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 959721
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

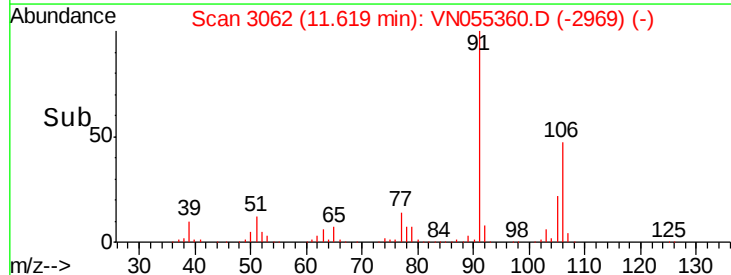
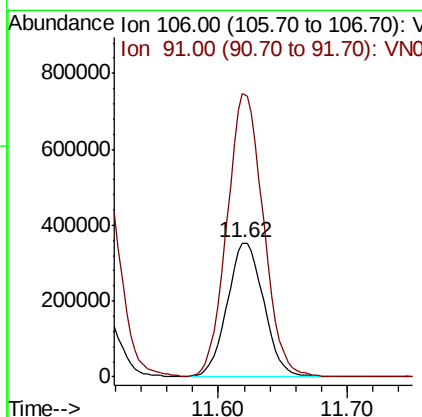
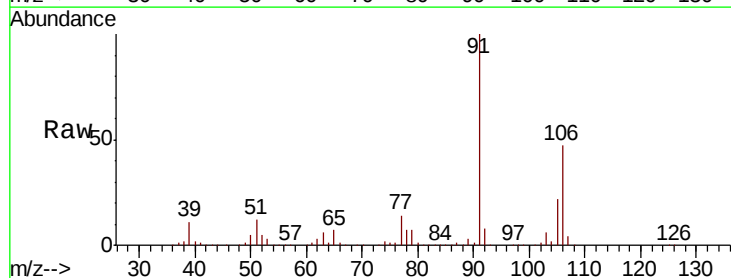
Manual Integrations
APPROVED

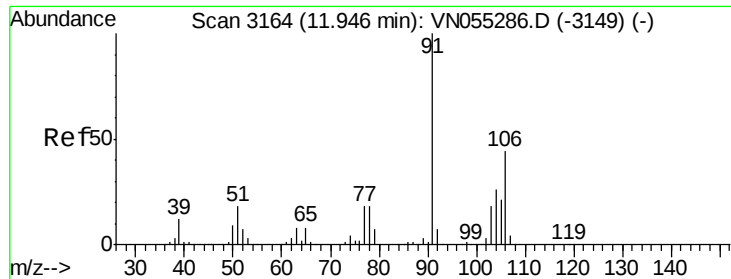
MMDadoda
5/3/2019 1:10:32 PM



#68
m/p-Xylenes
Concen: 101.599 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion: 106 Resp: 695209
Ion Ratio Lower Upper
106 100
91 210.8 169.5 254.3





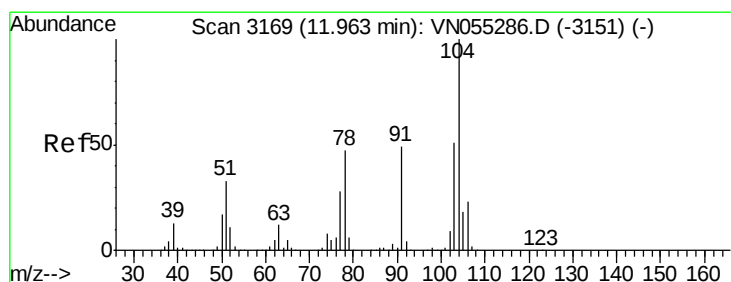
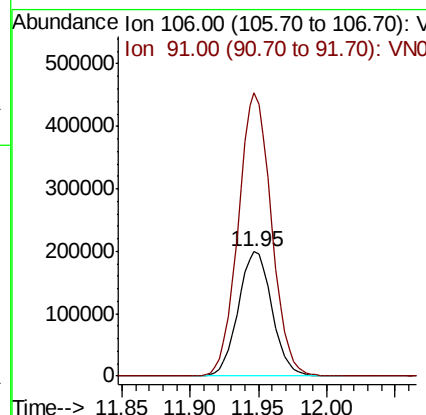
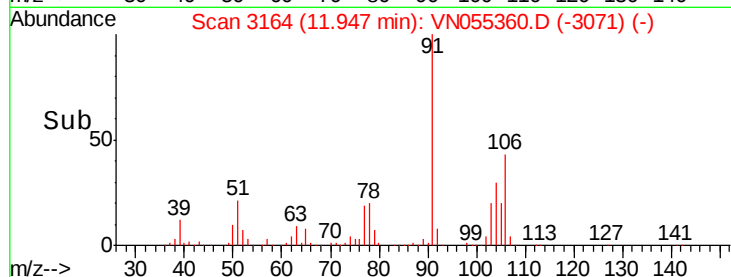
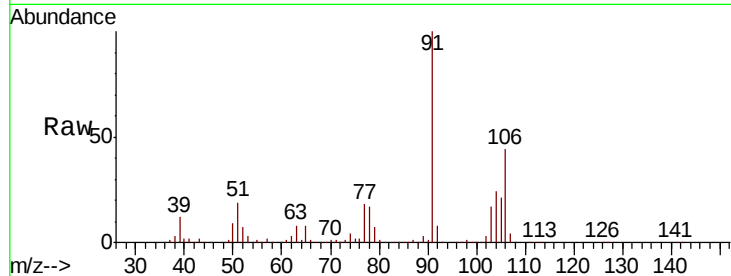
#69
o-Xylene
Concen: 50.394 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 341786
Ion Ratio Lower Upper
106 100
91 224.3 111.5 334.5

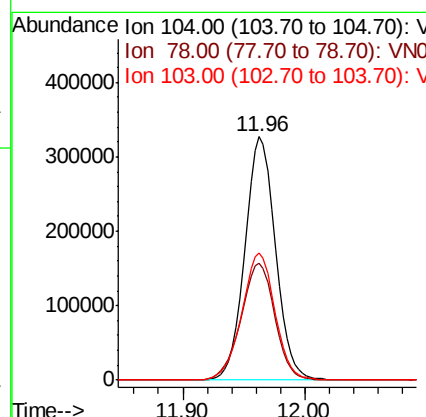
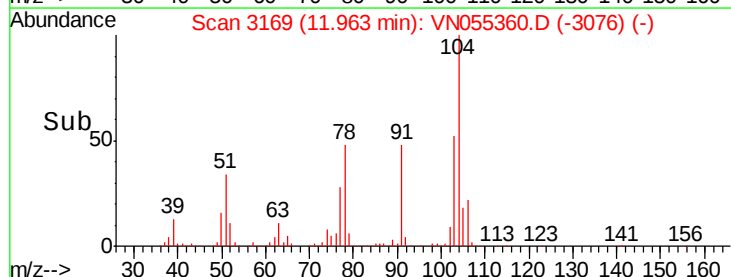
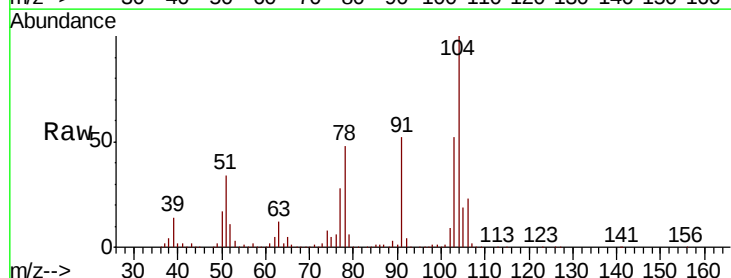
Manual Integrations
APPROVED

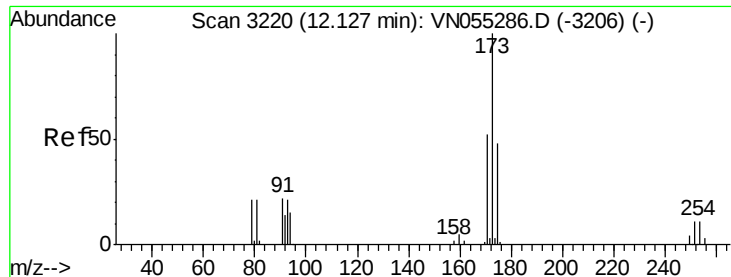
MMDadoda
5/3/2019 1:10:32 PM



#70
Styrene
Concen: 54.058 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion:104 Resp: 562932
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.2
103 56.7 44.6 67.0





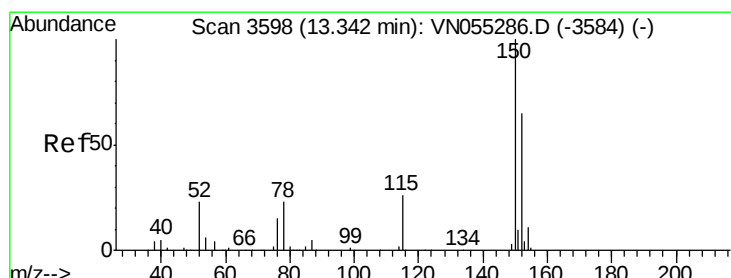
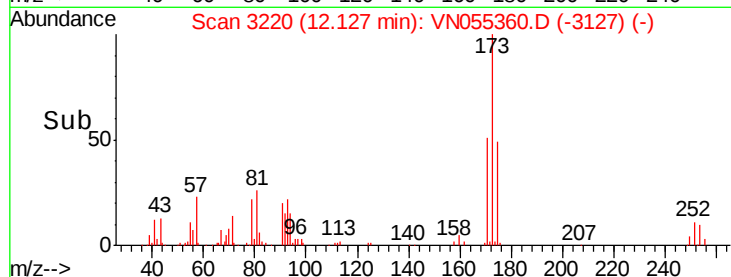
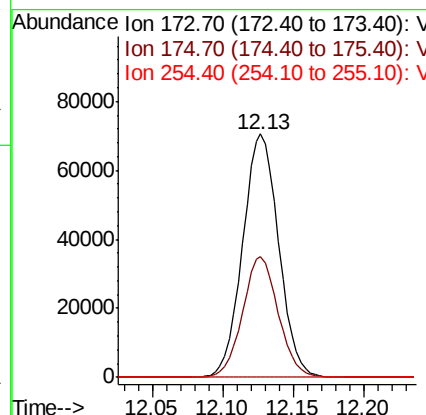
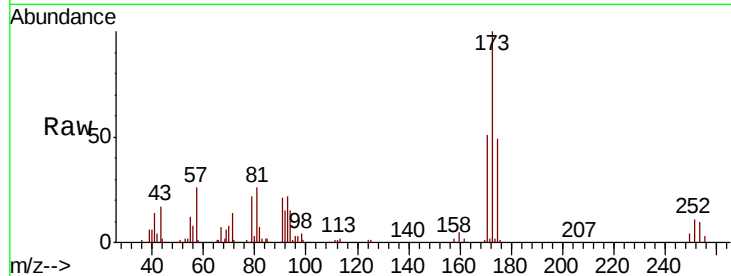
#71
Bromoform
Concen: 54.651 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	126058		
175	49.1	23.6	71.0	
254	0.1	0.0	0.0	

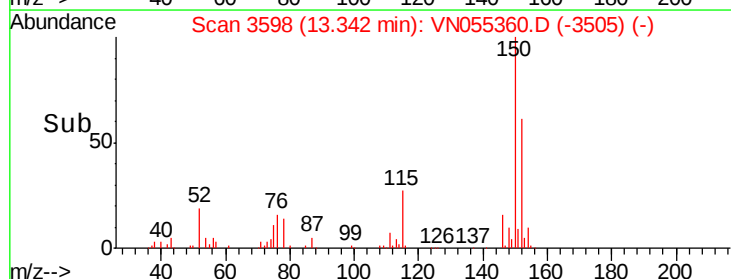
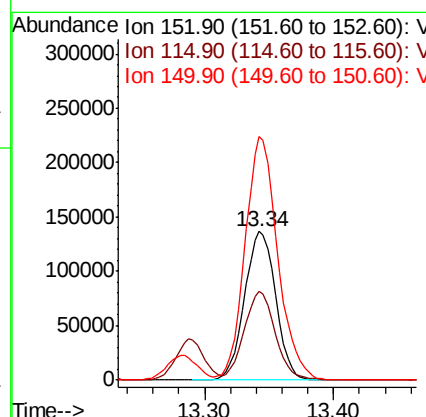
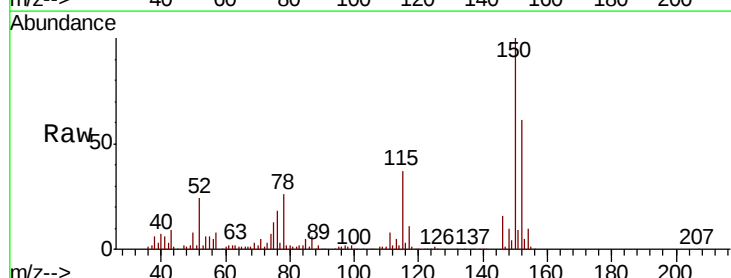
Manual Integrations
APPROVED

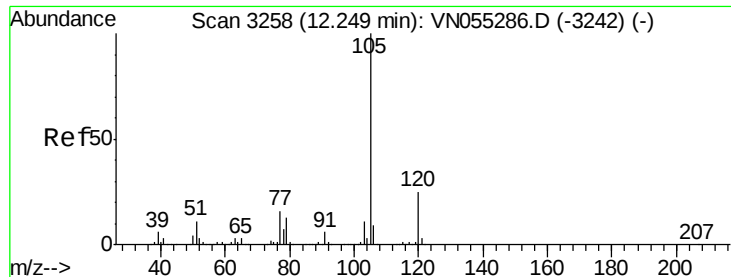
MMDadoda
5/3/2019 1:10:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	229558		
115	59.9	29.0	87.0	
150	171.6	0.0	345.6	





#73

Isopropylbenzene

Concen: 50.589 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 923370

Ion Ratio Lower Upper

105 100

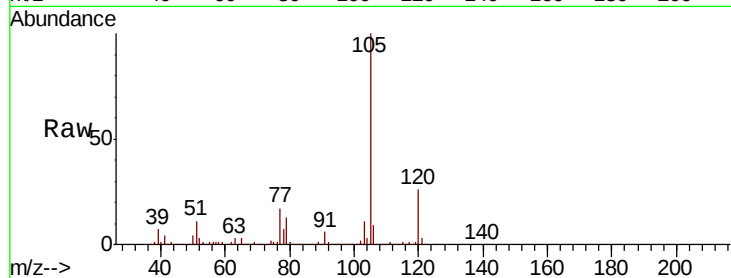
120 25.6 12.9 38.7

Manual Integrations

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MMDadoda

5/3/2019 1:10:32 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

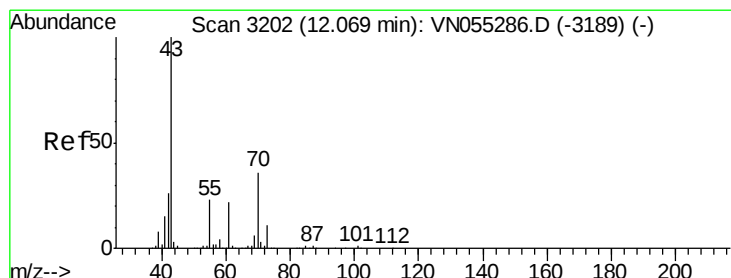
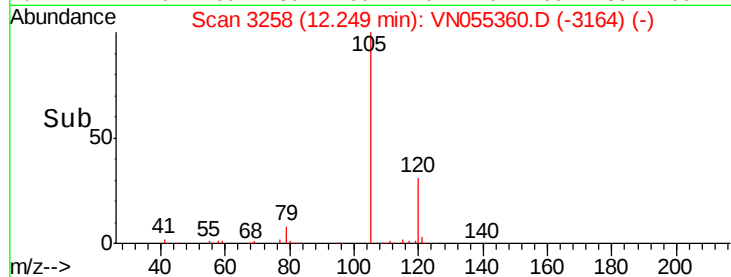
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 71.059 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Tgt Ion: 43 Resp: 418635

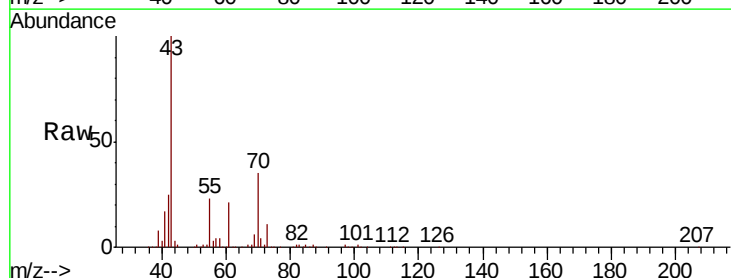
Ion Ratio Lower Upper

43 100

70 29.4 27.9 41.9

55 19.8 18.2 27.2

61 17.0 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

300000

200000

100000

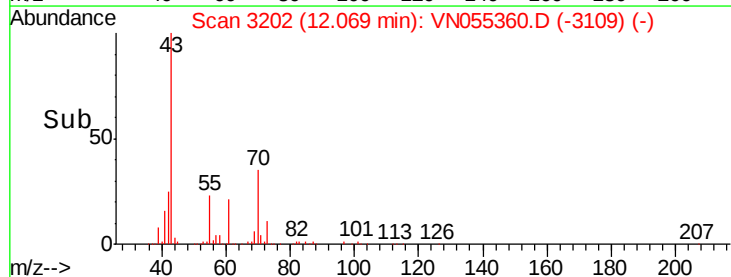
0

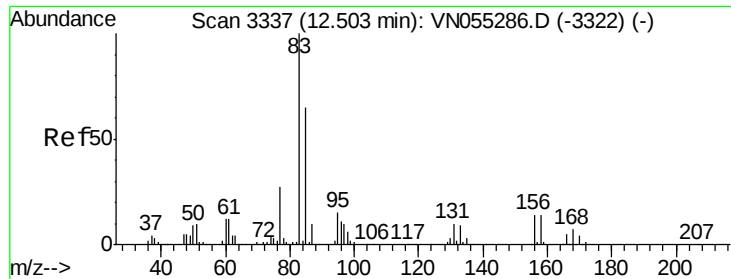
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.639 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

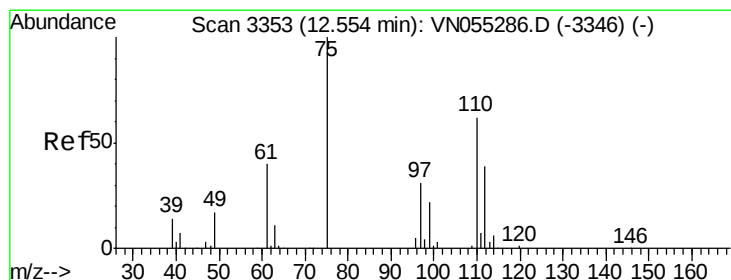
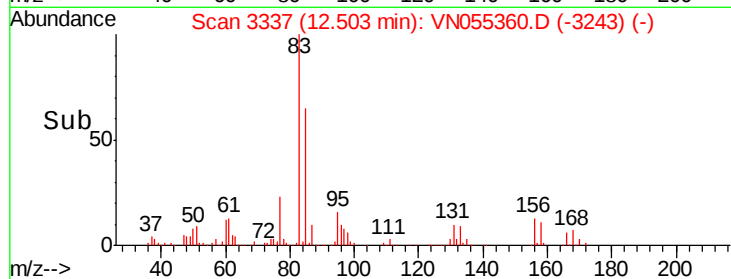
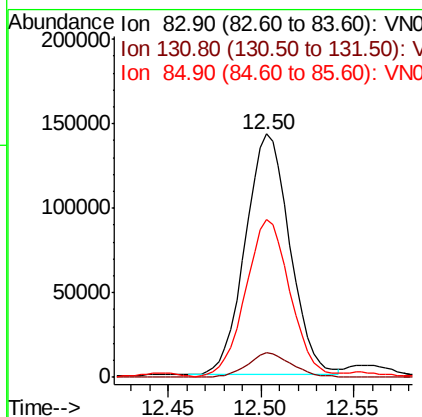
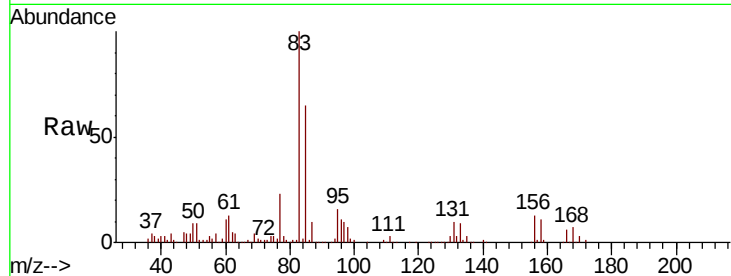
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	238656
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.2
85	64.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.326 ug/l m

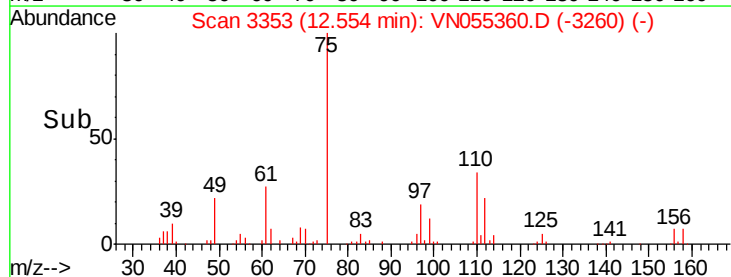
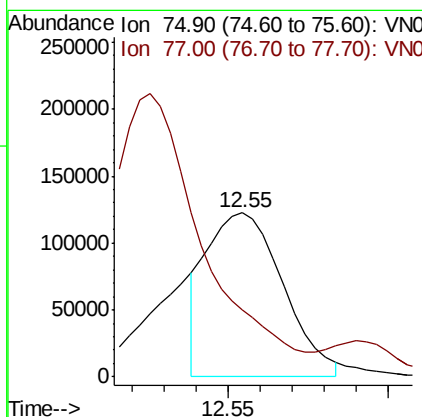
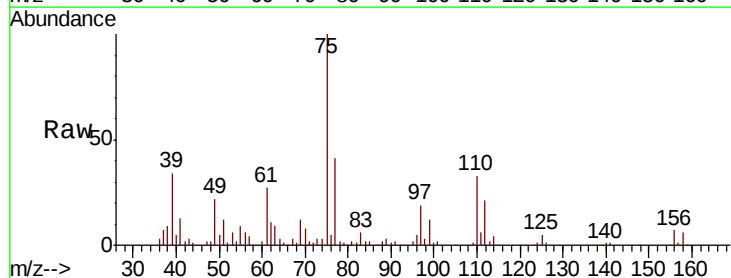
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Tgt Ion:	75	Resp:	202510
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.397 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

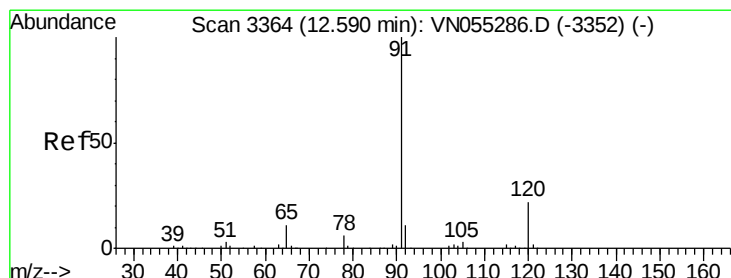
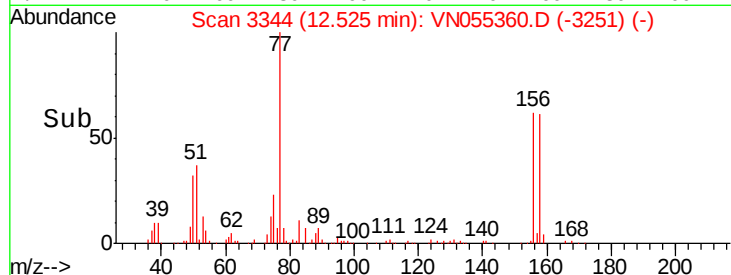
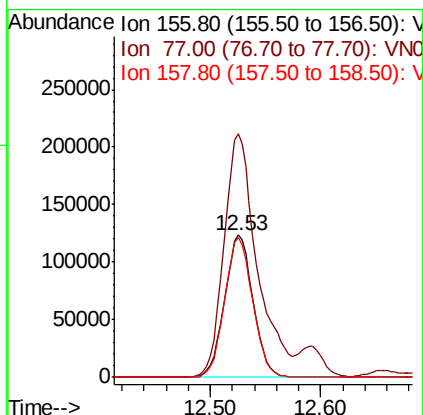
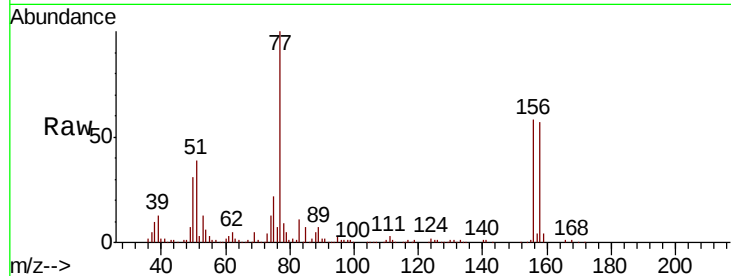
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	220618
Ion Ratio	Lower	Upper	
156	100		
77	198.3	99.6	298.8
158	97.2	49.3	147.8

Manual Integrations
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5/3/2019 1:10:32 PM



#78

n-propylbenzene

Concen: 44.196 ug/l

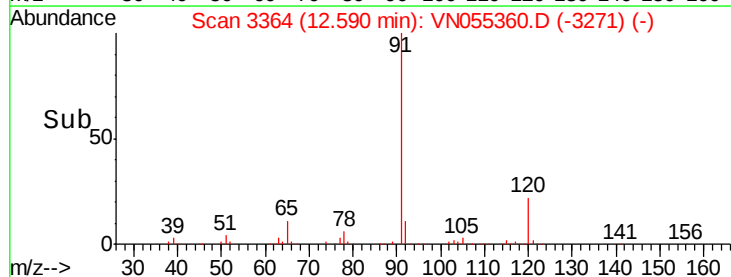
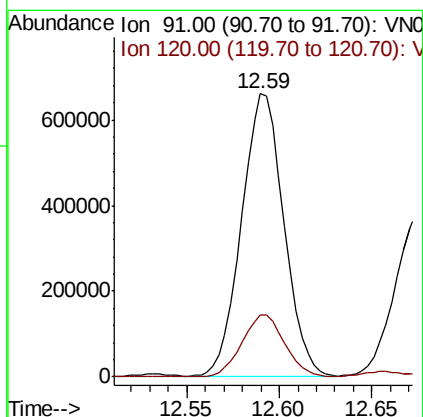
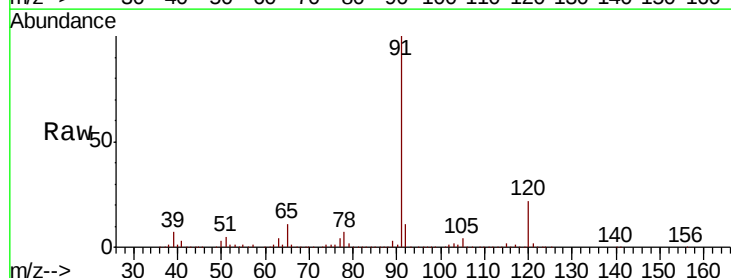
RT: 12.59 min Scan# 3364

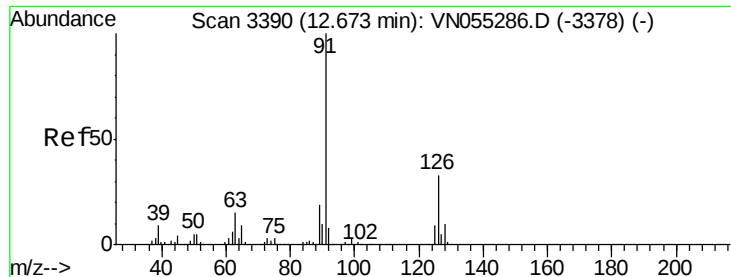
Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Tgt Ion:	91	Resp:	1042158
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 51.164 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 635758

Ion Ratio Lower Upper

91 100

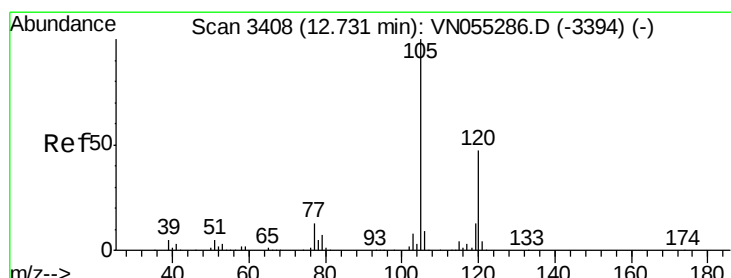
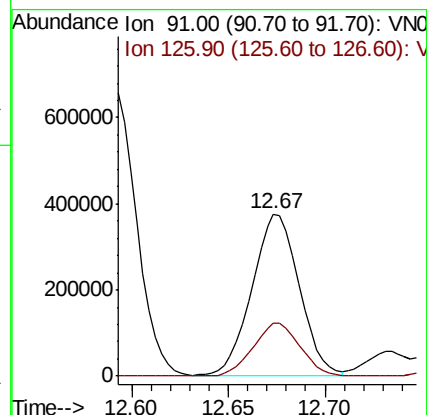
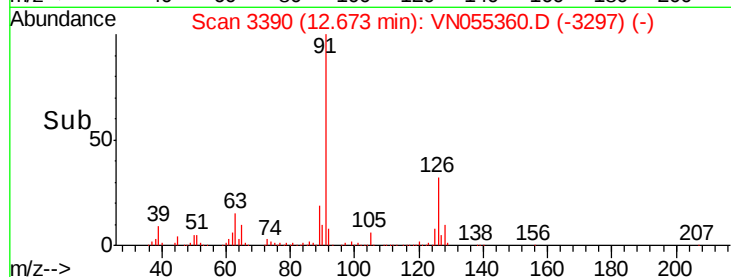
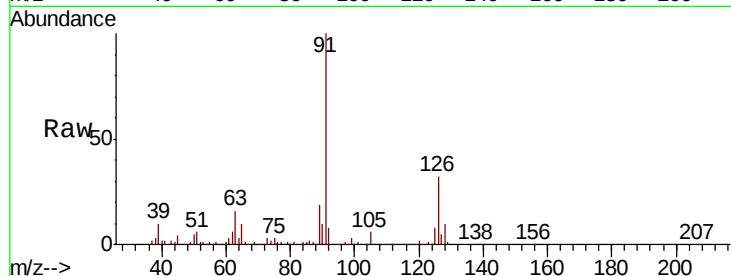
126 32.5 16.6 49.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.635 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055360.D

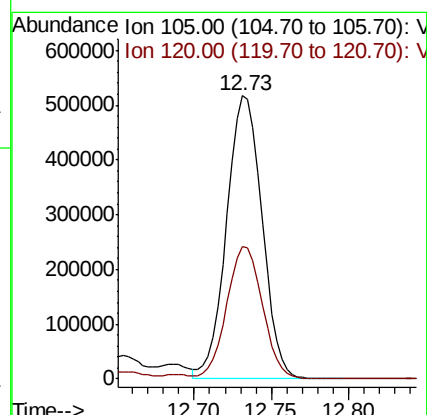
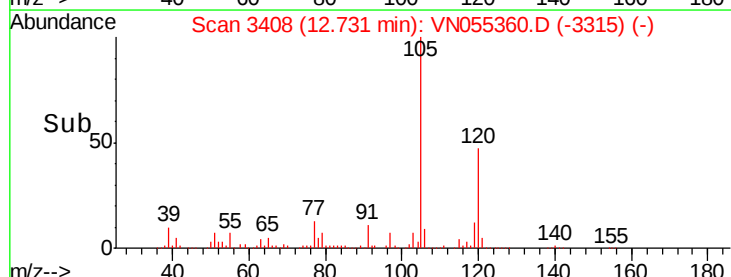
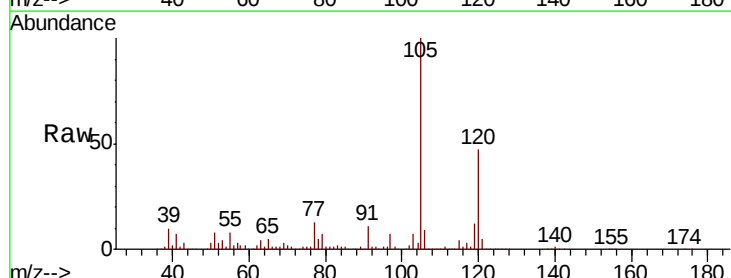
Acq: 2 May 2019 19:41

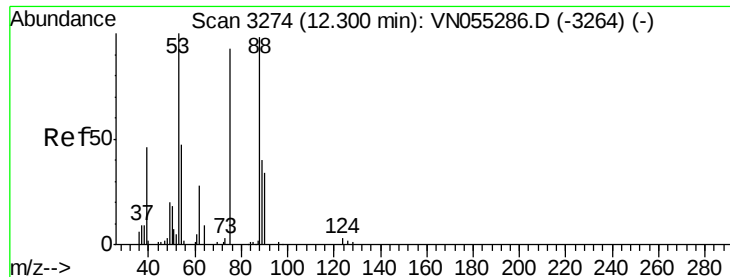
Tgt Ion: 105 Resp: 821282

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.0





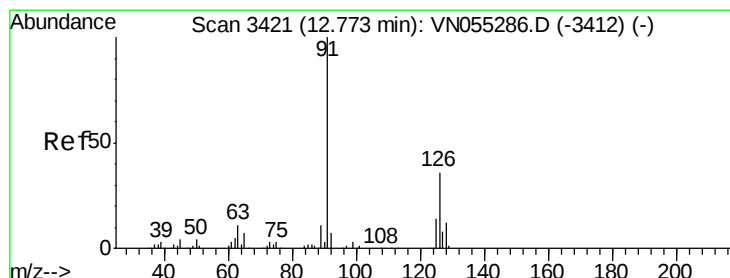
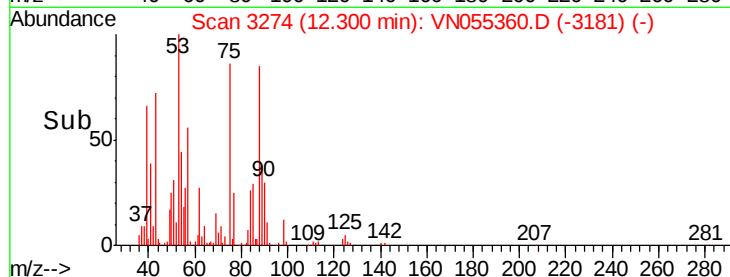
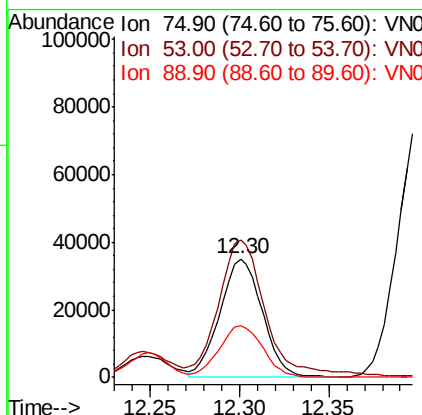
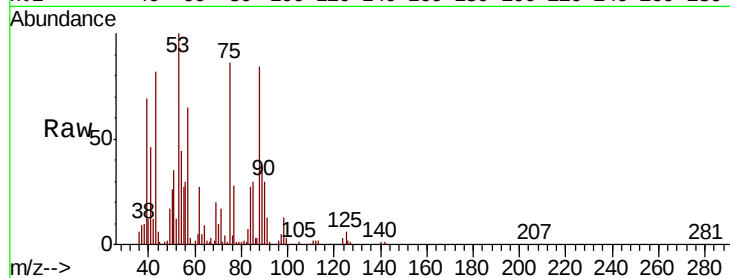
#81
trans-1,4-Dichloro-2-butene
Concen: 48.011 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	125.0	86.3	129.5
89	44.7	34.6	51.8

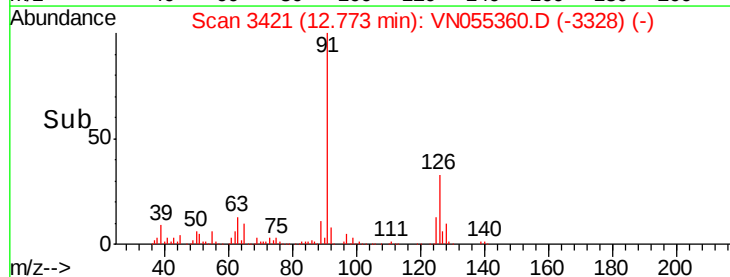
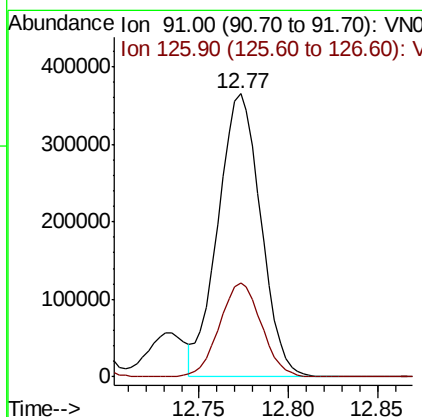
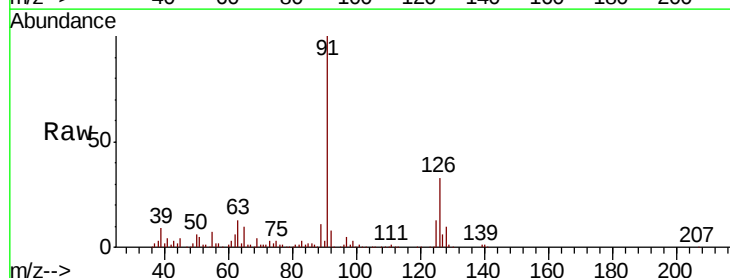
Manual Integrations
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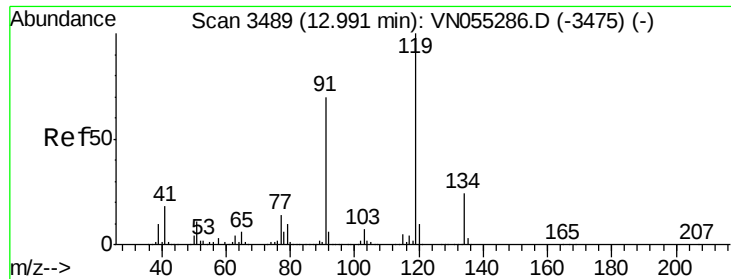
MMDadoda
5/3/2019 1:10:32 PM



#82
4-Chlorotoluene
Concen: 44.321 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.6	49.7





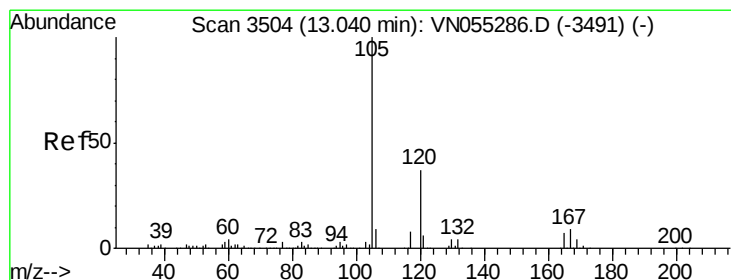
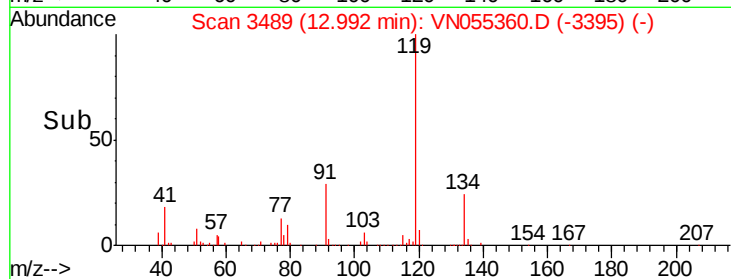
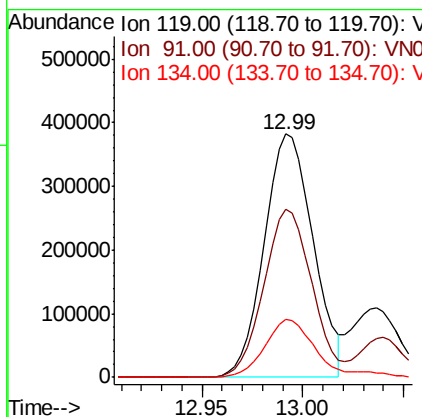
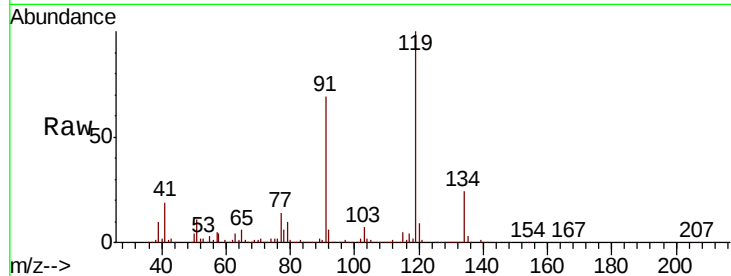
#83
 tert-Butylbenzene
 Concen: 50.635 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.3	102.9
134	25.3	13.1	39.3

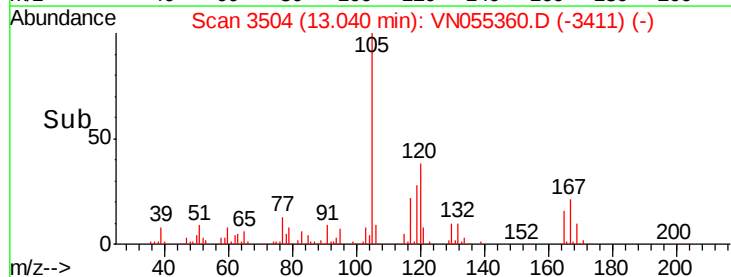
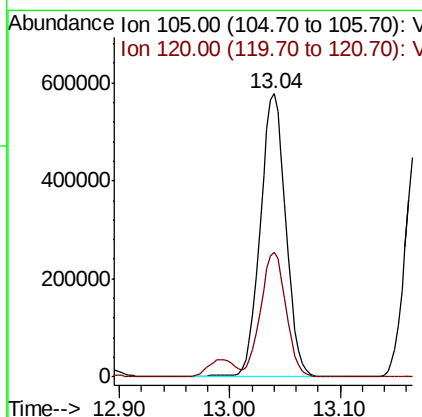
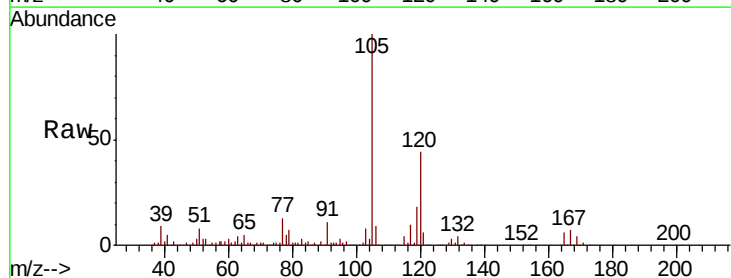
Manual Integrations
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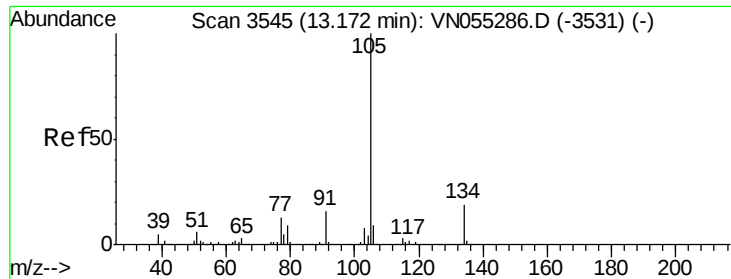
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#84
 1,2,4-Trimethylbenzene
 Concen: 57.586 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.5





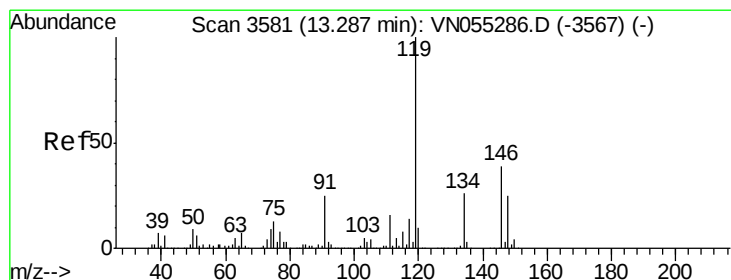
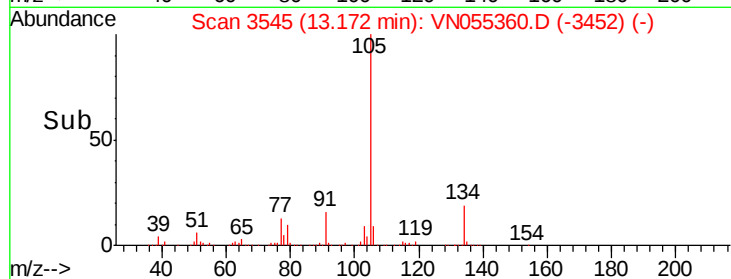
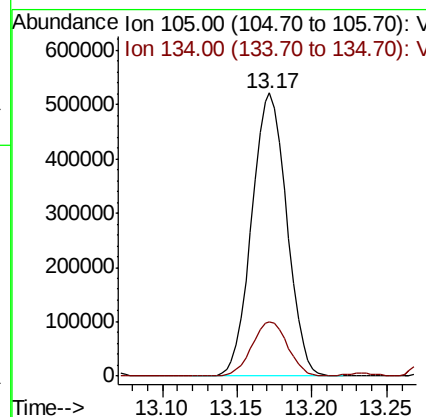
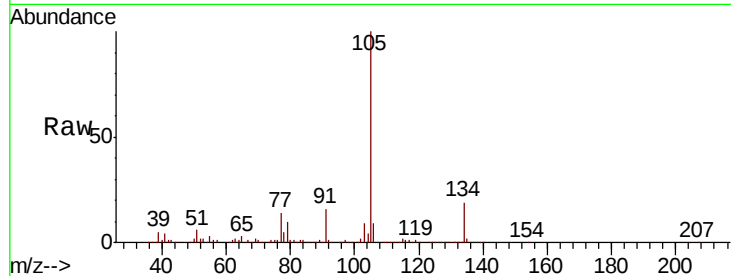
#85
 sec-Butylbenzene
 Concen: 43.150 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.6	28.8

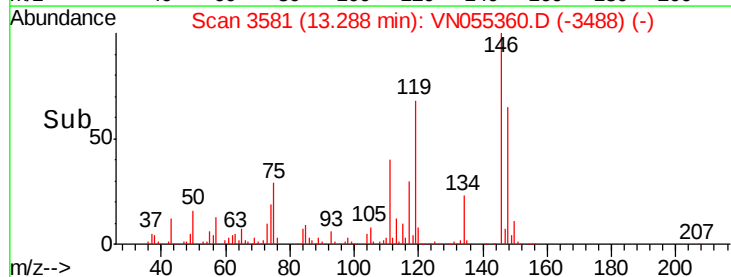
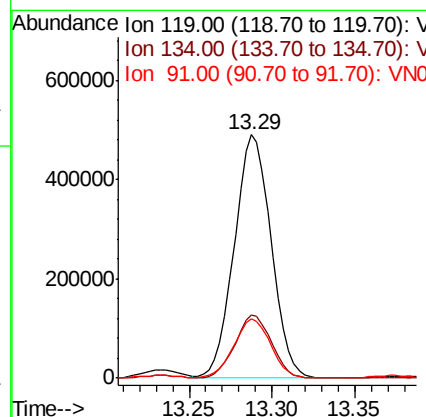
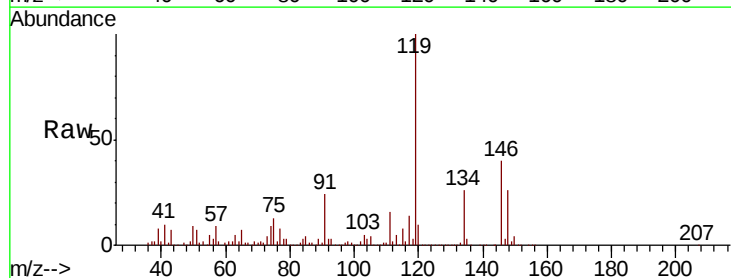
Manual Integrations
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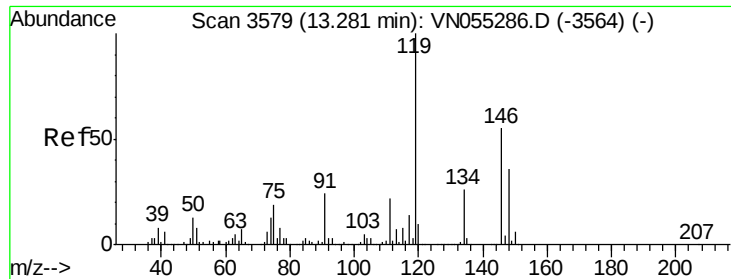
MMDadoda
 5/3/2019 1:10:32 PM



#86
 p-Isopropyltoluene
 Concen: 47.013 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	38.9
91	24.0	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 47.172 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

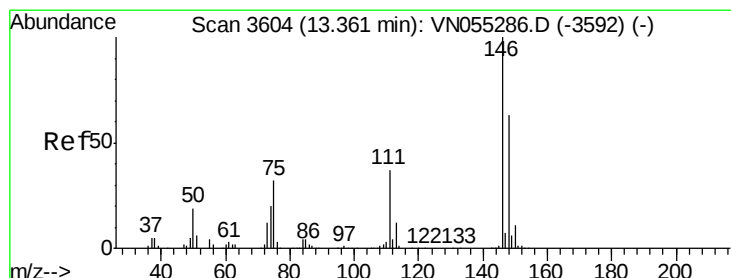
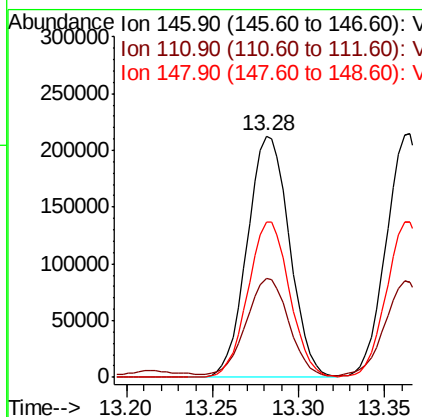
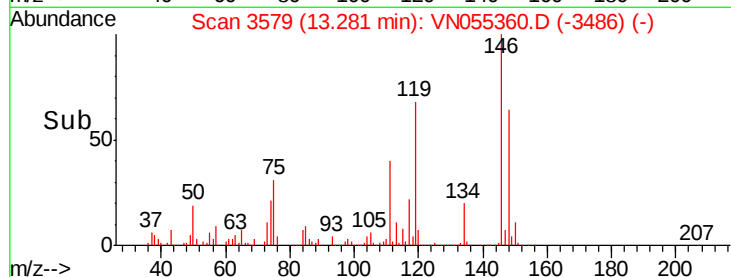
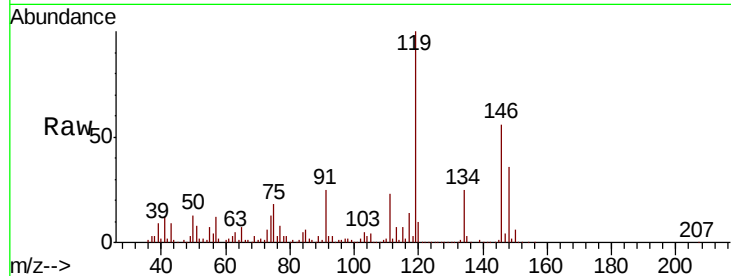
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	362357
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.3	60.8
148	63.4	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.313 ug/l

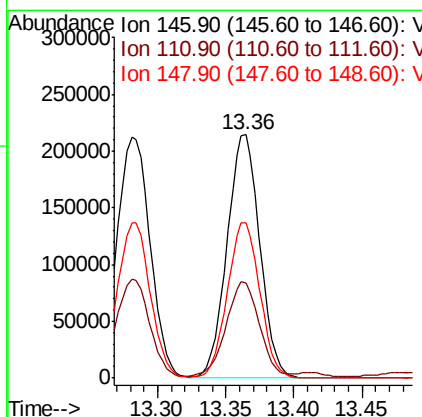
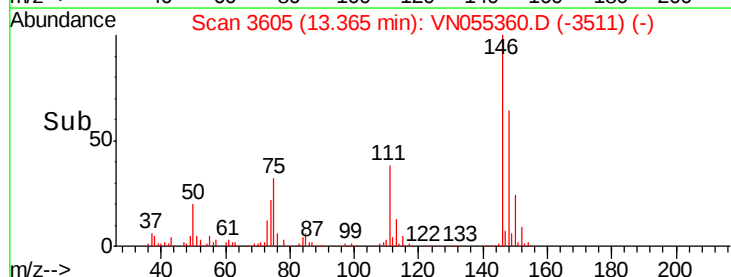
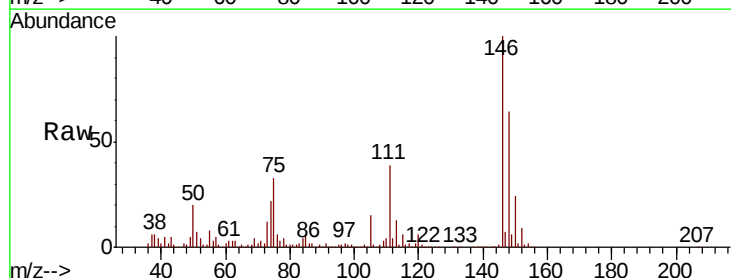
RT: 13.36 min Scan# 3605

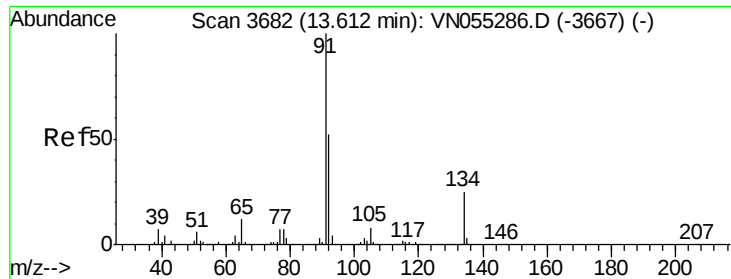
Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Tgt Ion:	146	Resp:	356728
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.5	58.5
148	63.7	32.5	97.4





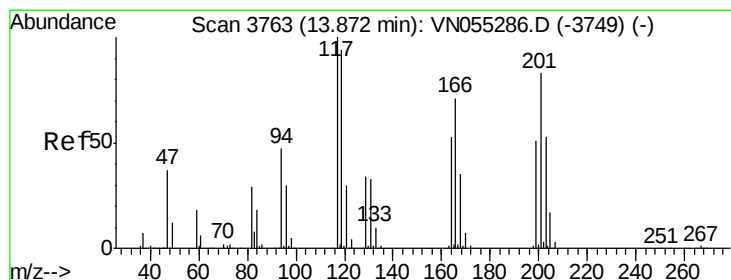
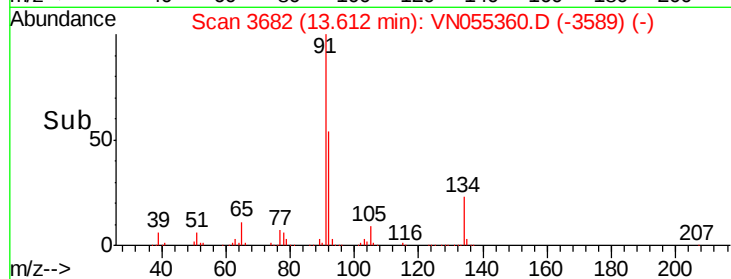
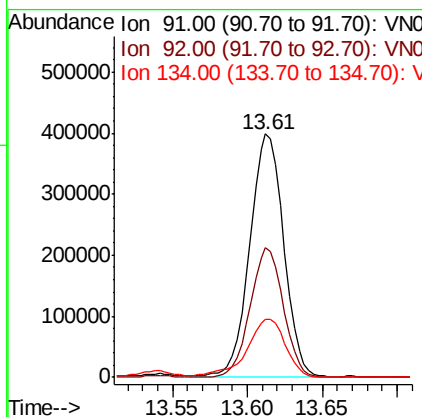
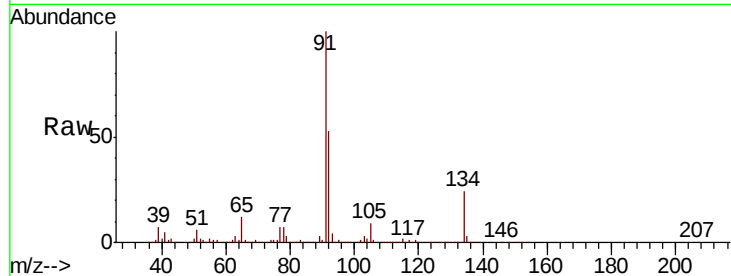
#89
n-Butylbenzene
Concen: 54.776 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.3
134	27.4	12.4	37.4

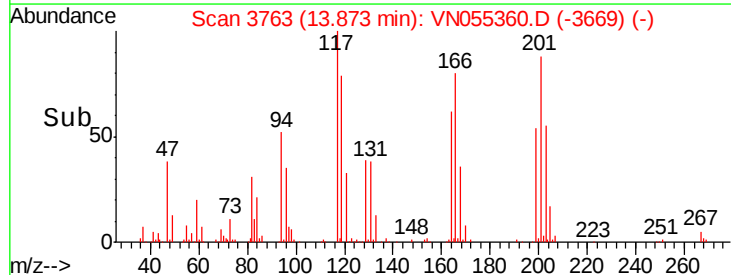
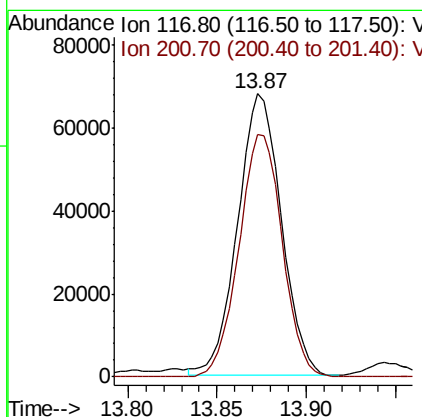
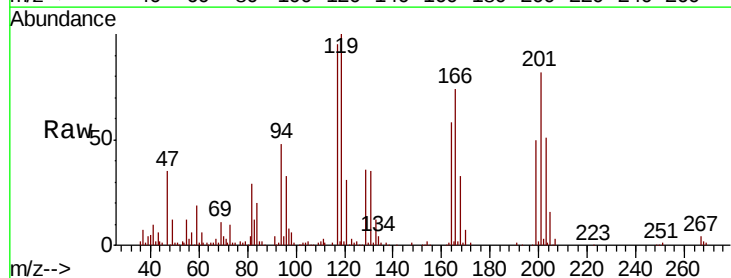
Manual Integrations
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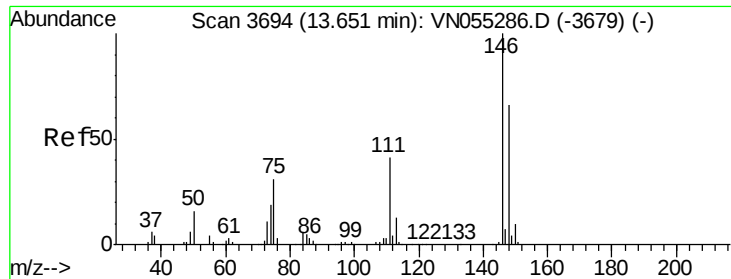
MMDadoda
5/3/2019 1:10:32 PM



#90
Hexachloroethane
Concen: 45.513 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055360.D
Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	41.9	125.8





#91

1,2-Dichlorobenzene

Concen: 47.704 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

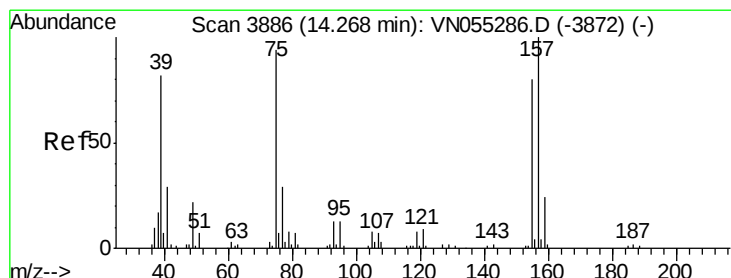
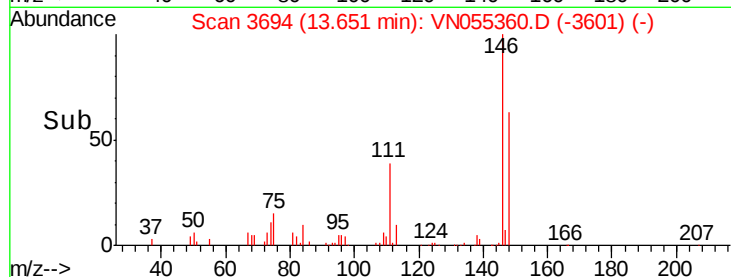
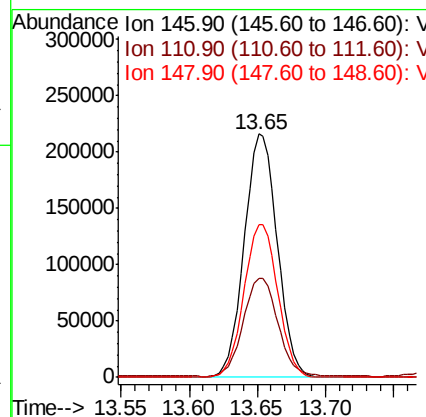
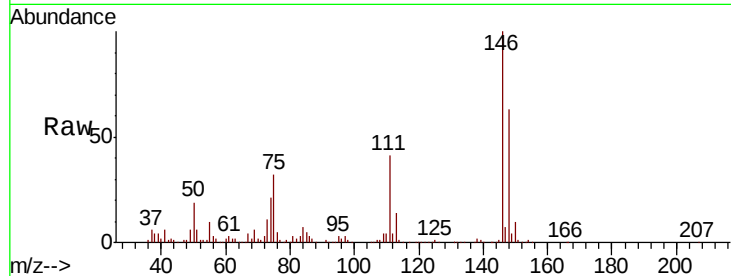
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	363191
Ion Ratio	Lower	Upper	
146	100		
111	42.4	20.3	61.0
148	64.2	32.4	97.2

Manual Integrations
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MMDadoda
5/3/2019 1:10:32 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 64.224 ug/l

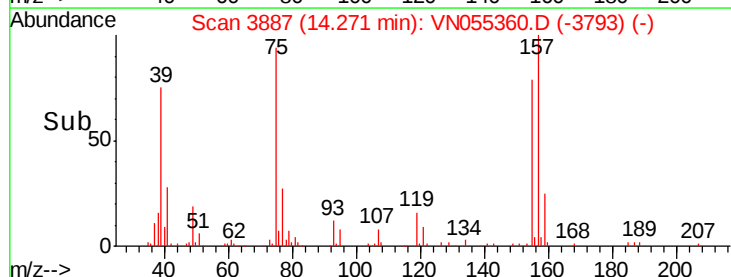
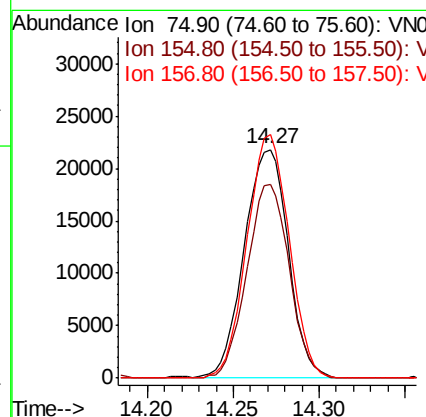
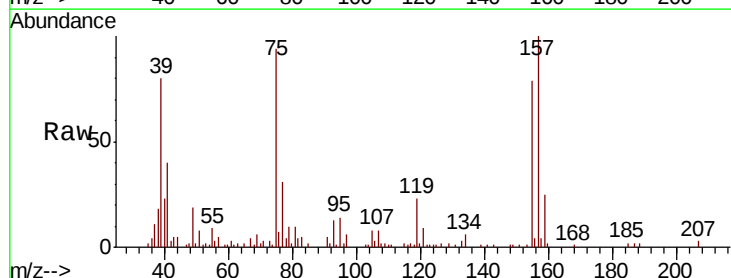
RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Tgt Ion:	75	Resp:	38787
Ion Ratio	Lower	Upper	
75	100		
155	81.5	41.5	124.6
157	101.9	54.0	162.2





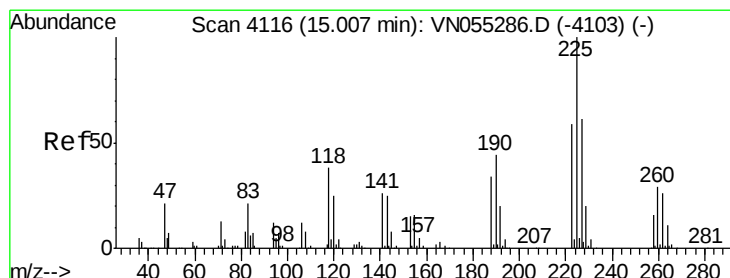
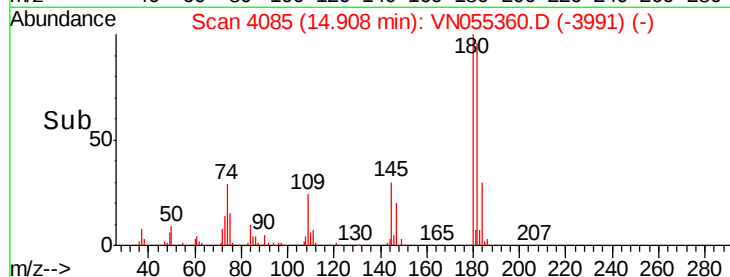
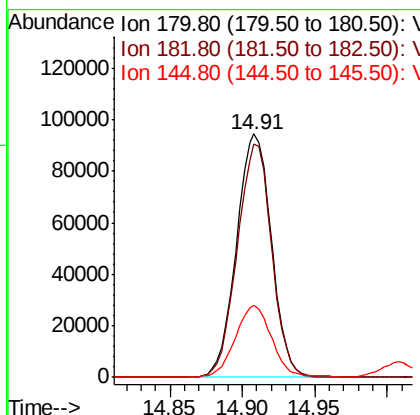
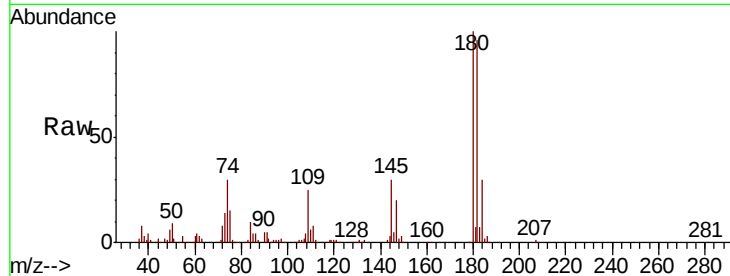
#93
 1,2,4-Trichlorobenzene
 Concen: 52.270 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	157369		
182	94.8	48.3	144.9	
145	31.2	14.2	42.6	

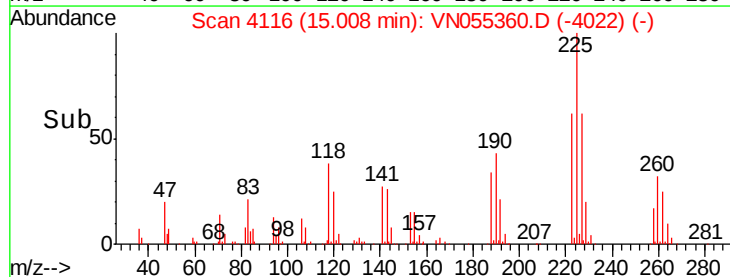
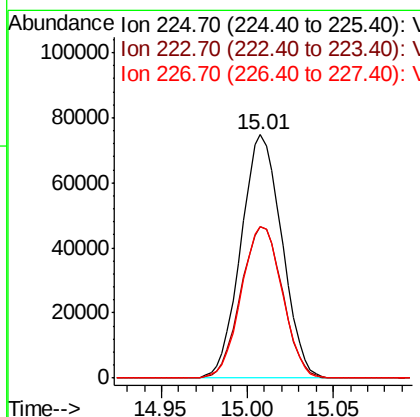
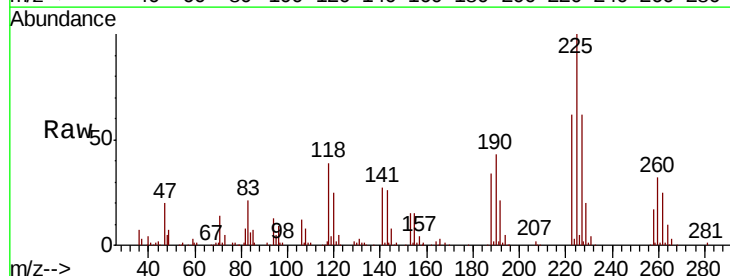
Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 1:10:32 PM



#94
 Hexachlorobutadiene
 Concen: 54.169 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055360.D
 Acq: 2 May 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	123563		
223	63.2	30.3	90.8	
227	62.4	30.9	92.7	





#95

Naphthalene

Concen: 57.430 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Instrument :

MSVOA_N

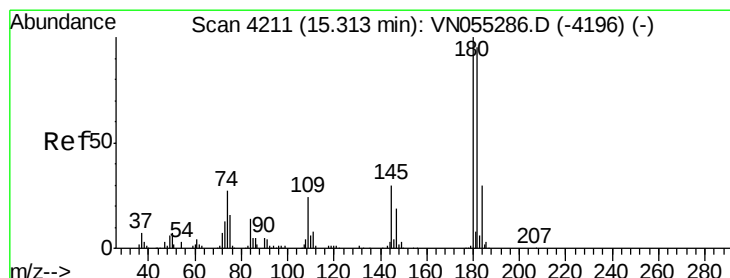
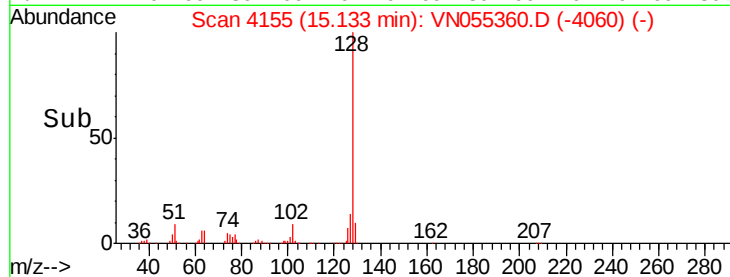
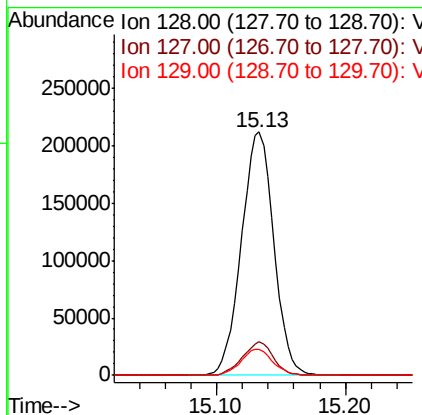
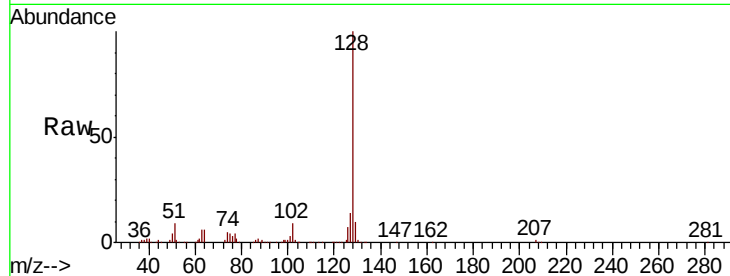
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	128	Resp:	369828
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.7	16.1
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/3/2019 1:10:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.684 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055360.D

Acq: 2 May 2019 19:41

Tgt Ion:	180	Resp:	159284
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.3	144.9
145	31.2	15.2	45.6

