

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055359.D
 Acq On : 2 May 2019 19:15
 Operator : JC/SP
 Sample : K2658-11MSD 5X
 Misc : 5.80g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 1:10:27 PM

Quant Time: May 03 05:13:24 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	380699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	612639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	541183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	251596	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.59	113	194208	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	10.09	98	760784	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.40	95	449237	98.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	209869	44.994	ug/l	99
3) Chloromethane	2.06	50	237387	41.101	ug/l	100
4) Vinyl Chloride	2.19	62	213564	45.872	ug/l	99
5) Bromomethane	2.55	94	110395	44.765	ug/l	96
6) Chloroethane	2.70	64	115170	45.664	ug/l	97
7) Trichlorofluoromethane	3.01	101	301374	45.523	ug/l	98
8) Diethyl Ether	3.41	74	117876	50.893	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	179327	45.489	ug/l	100
10) Methyl Iodide	3.95	142	248833	44.851	ug/l	100
11) Tert butyl alcohol	4.80	59	94685	332.063	ug/l	99
12) 1,1-Dichloroethene	3.74	96	171777	45.677	ug/l	97
13) Acrolein	3.61	56	45676	205.114	ug/l	97
14) Allyl chloride	4.33	41	372122	47.777	ug/l	99
15) Acrylonitrile	4.99	53	446691	278.702	ug/l	100
16) Acetone	3.82	43	357245	230.209	ug/l	98
17) Carbon Disulfide	4.05	76	390687	39.808	ug/l	99
18) Methyl Acetate	4.33	43	228404	60.640	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	573283	54.226	ug/l	99
20) Methylene Chloride	4.55	84	209750	44.282	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	182489	45.819	ug/l	99
22) Diisopropyl ether	5.95	45	792544	51.213	ug/l	97
23) Vinyl Acetate	5.90	43	2855551	281.541	ug/l	100
24) 1,1-Dichloroethane	5.85	63	396923	48.138	ug/l	99
25) 2-Butanone	6.84	43	574207	289.333	ug/l	98
26) 2,2-Dichloropropane	6.82	77	252329	44.316	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	220631	48.713	ug/l	99
28) Bromochloromethane	7.19	49	203947	49.070	ug/l	99
29) Tetrahydrofuran	7.21	42	376909	296.595	ug/l	100
30) Chloroform	7.37	83	371675	47.551	ug/l	99
31) Cyclohexane	7.65	56	364562	46.536	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	302592	47.700	ug/l	99
36) 1,1-Dichloropropene	7.80	75	275699	46.982	ug/l	99
37) Ethyl Acetate	6.93	43	242594	53.941	ug/l	99
38) Carbon Tetrachloride	7.78	117	248918	43.973	ug/l	98

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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)
39) Methylcyclohexane	9.08	83	425557	68.208	ug/l	98
40) Benzene	8.04	78	828037	47.867	ug/l	99
41) Methacrylonitrile	7.17	41	146272	59.944	ug/l	96
42) 1,2-Dichloroethane	8.13	62	295630	48.251	ug/l	100
43) Isopropyl Acetate	8.17	43	451542	62.474	ug/l	96
44) Trichloroethene	8.84	130	204880	46.458	ug/l	98
45) 1,2-Dichloropropane	9.12	63	240663	48.236	ug/l	99
46) Dibromomethane	9.21	93	132937	48.745	ug/l	99
47) Bromodichloromethane	9.40	83	282441	48.276	ug/l	98
48) Methyl methacrylate	9.20	41	207264	58.333	ug/l	99
49) 1,4-Dioxane	9.20	88	47216	1285.495	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1242434	305.321	ug/l	100
52) Toluene	10.16	92	488417	49.208	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	276708	54.482	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	331697	52.381	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	172180	46.715	ug/l	96
56) Ethyl methacrylate	10.43	69	399860	88.141	ug/l	87
57) 1,3-Dichloropropane	10.71	76	334282	51.700	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	434474	305.683	ug/l	100
59) 2-Hexanone	10.75	43	765327	300.590	ug/l	94
60) Dibromochloromethane	10.90	129	191020	50.709	ug/l	98
61) 1,2-Dibromoethane	11.01	107	183263	53.794	ug/l	96
64) Tetrachloroethene	10.63	164	194835	44.024	ug/l	99
65) Chlorobenzene	11.43	112	510722	48.268	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	185791	44.843	ug/l	99
67) Ethyl Benzene	11.51	91	2446374	128.037	ug/l	99
68) m/p-Xylenes	11.62	106	2773897	406.725	ug/l	99
69) o-Xylene	11.95	106	468762	69.345	ug/l	94
70) Styrene	11.96	104	577419	55.633	ug/l	93
71) Bromoform	12.13	173	116870	50.836	ug/l #	99
73) Isopropylbenzene	12.25	105	3456892	157.336	ug/l	100
74) N-amyl acetate	12.05	43	1680317	226.885	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.51	83	132382	21.329	ug/l #	28
76) 1,2,3-Trichloropropane	12.55	75	214043m	39.369	ug/l	
77) Bromobenzene	12.53	156	220831	39.659	ug/l	88
78) n-propylbenzene	12.59	91	8529720	287.749	ug/l	99
79) 2-Chlorotoluene	12.67	91	1318859m	86.259	ug/l	
80) 1,3,5-Trimethylbenzene	12.73	105	12770834	564.492	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57745	37.921	ug/l #	34
82) 4-Chlorotoluene	12.78	91	575178	33.372	ug/l	87
83) tert-Butylbenzene	12.99	119	1118219	71.056	ug/l	97
84) 1,2,4-Trimethylbenzene	13.03	105	20917171m	1033.797	ug/l	
85) sec-Butylbenzene	13.17	105	4792823	194.912	ug/l	79
86) p-Isopropyltoluene	13.29	119	4339714	214.725	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	373940	38.724	ug/l #	73
88) 1,4-Dichlorobenzene	13.36	146	360769	39.672	ug/l #	80
89) n-Butylbenzene	13.62	91	4904811m	341.528	ug/l	
90) Hexachloroethane	13.89	117	587339	187.883	ug/l #	24
91) 1,2-Dichlorobenzene	13.65	146	366348m	38.277	ug/l	
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53388m	70.321	ug/l	

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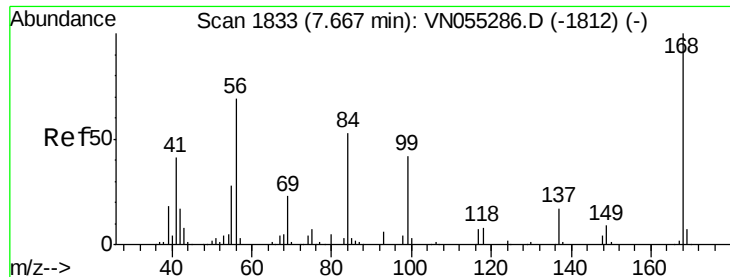
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	239525	62.588	ug/l #	68
94) Hexachlorobutadiene	15.01	225	161279	56.356	ug/l	99
95) Naphthalene	15.13	128	2092115	246.788	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	222133	59.269	ug/l #	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055359.D

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Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion:168 Resp: 380699

Ion Ratio Lower Upper

168 100

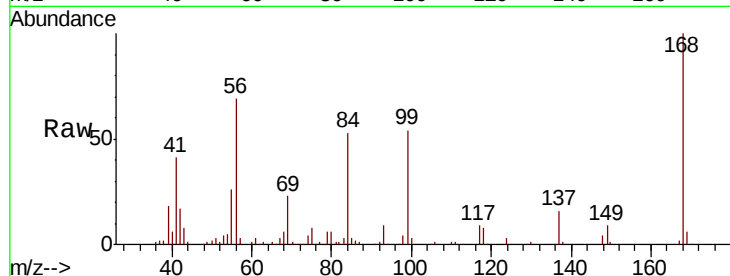
99 54.0 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

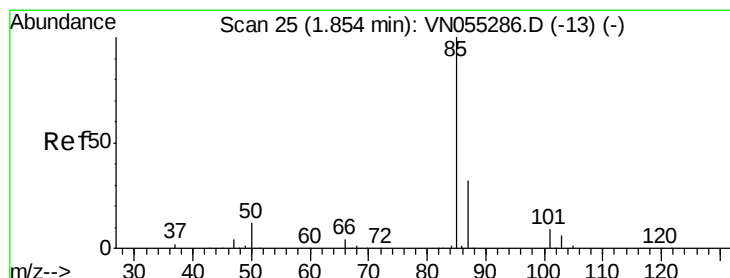
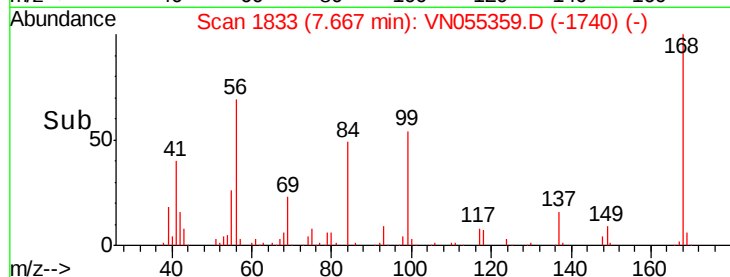
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.994 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055359.D

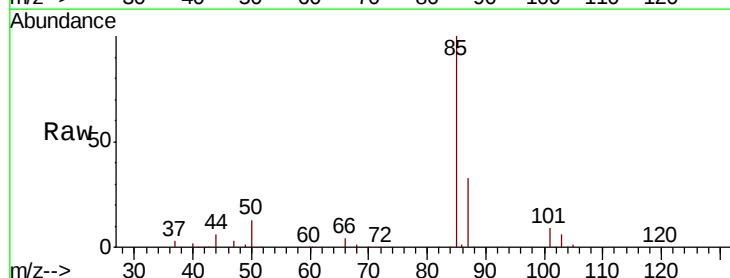
Acq: 2 May 2019 19:15

Tgt Ion: 85 Resp: 209869

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

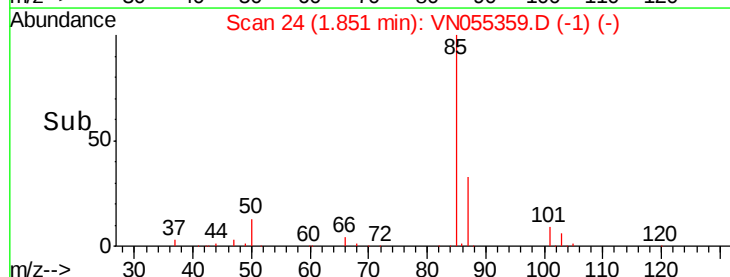
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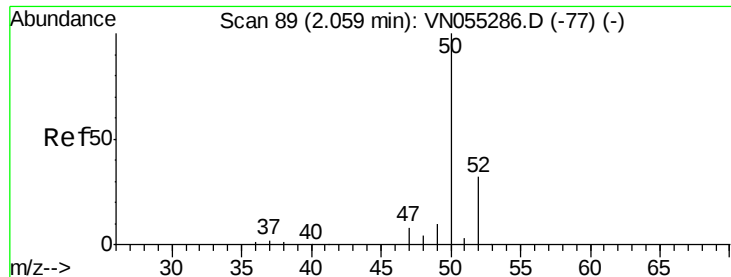
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 41.101 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion: 50 Resp: 237387

Ion Ratio Lower Upper

50 100

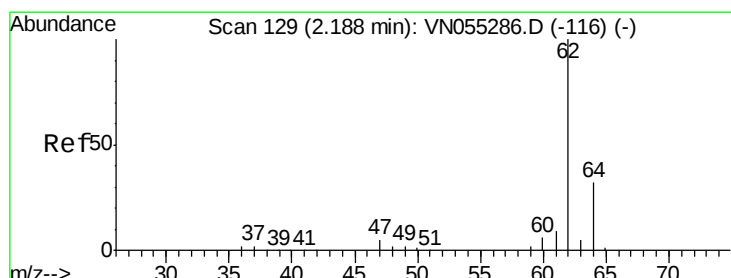
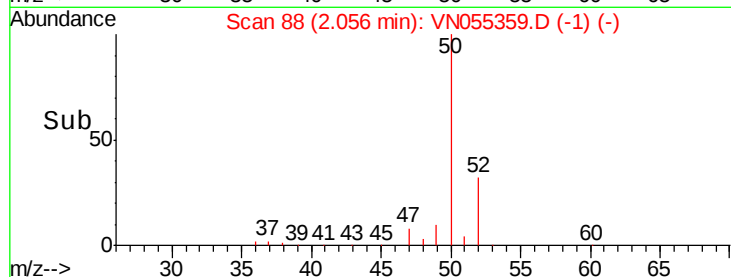
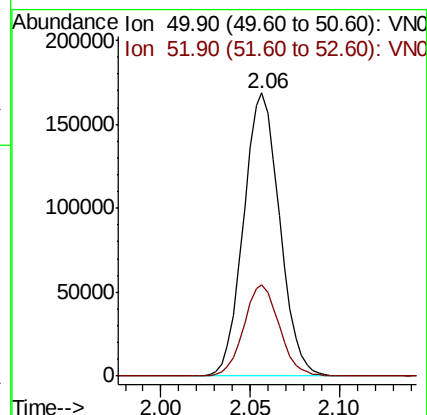
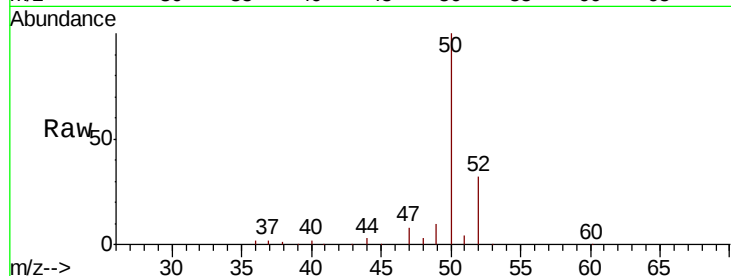
52 32.2 25.7 38.5

Manual Integrations

APPROVED

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5/3/2019 1:10:27 PM



#4

Vinyl Chloride

Concen: 45.872 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055359.D

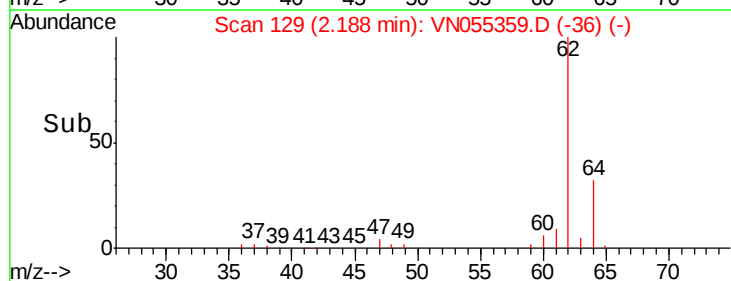
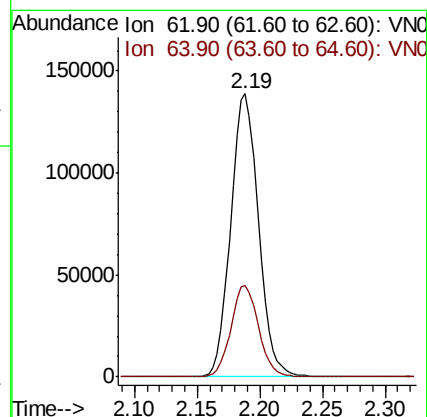
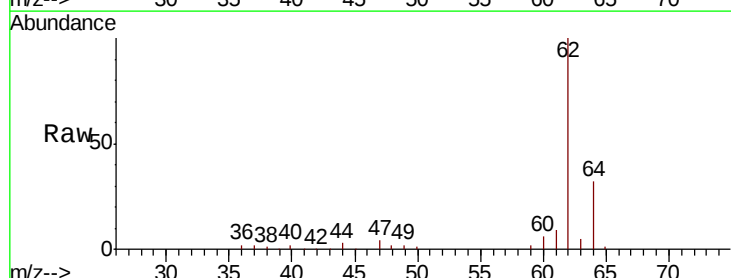
Acq: 2 May 2019 19:15

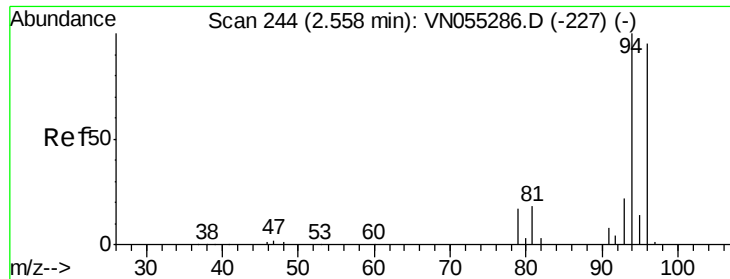
Tgt Ion: 62 Resp: 213564

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 44.765 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

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ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion: 94 Resp: 110395

Ion Ratio Lower Upper

94 100

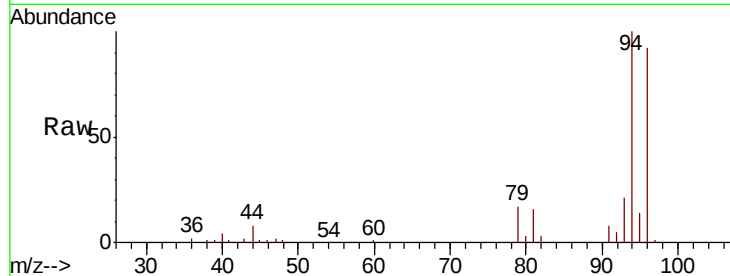
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Manual Integrations

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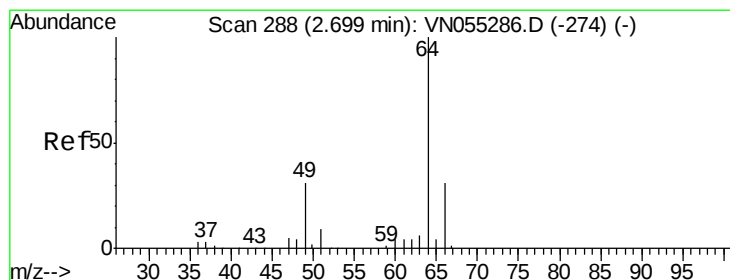
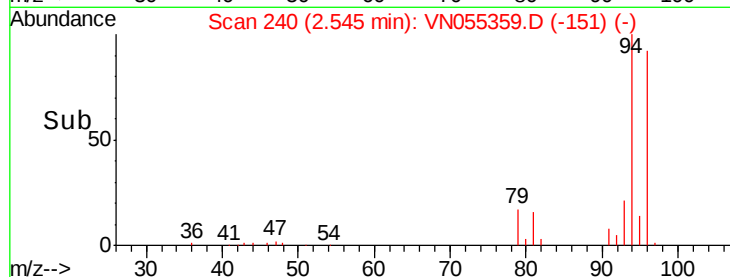
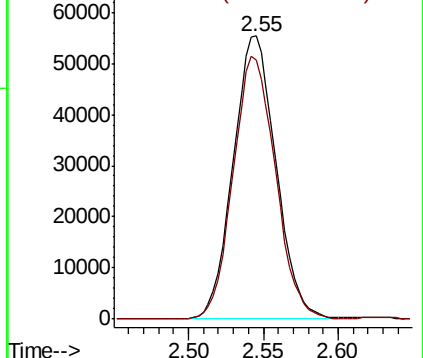
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.664 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN055359.D

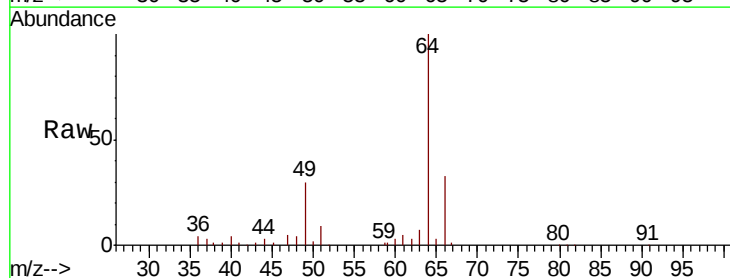
Acq: 2 May 2019 19:15

Tgt Ion: 64 Resp: 115170

Ion Ratio Lower Upper

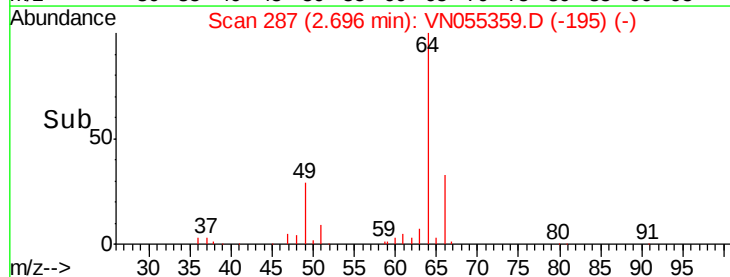
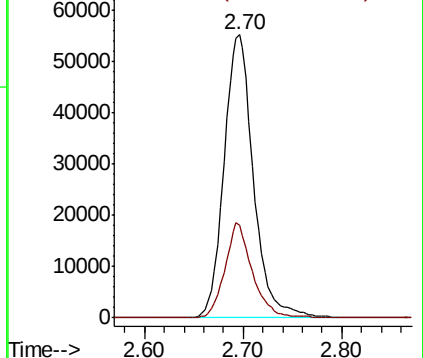
64 100

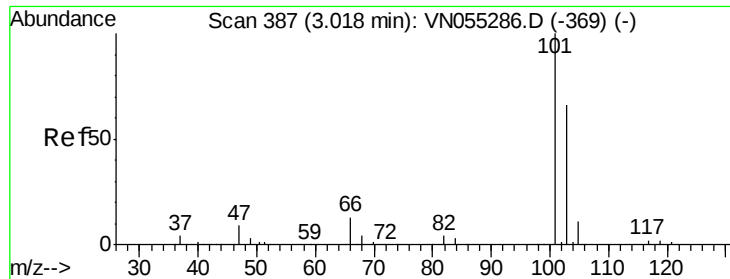
66 32.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

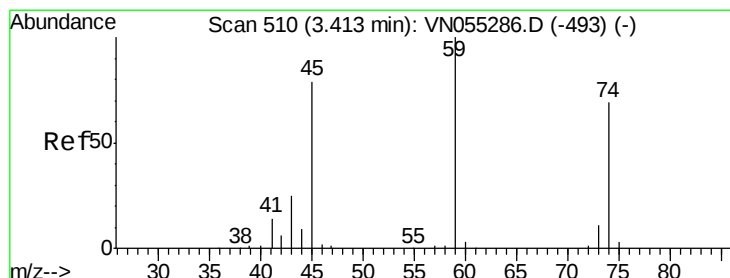
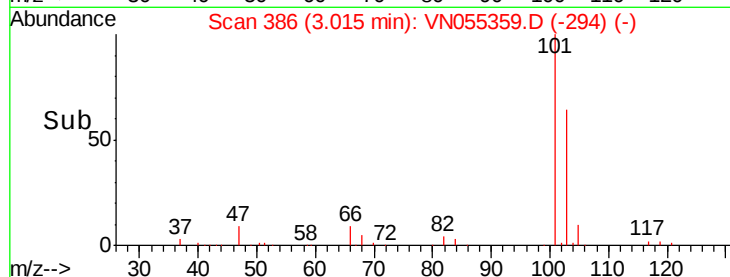
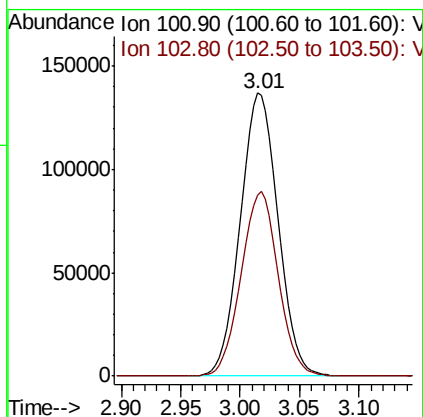
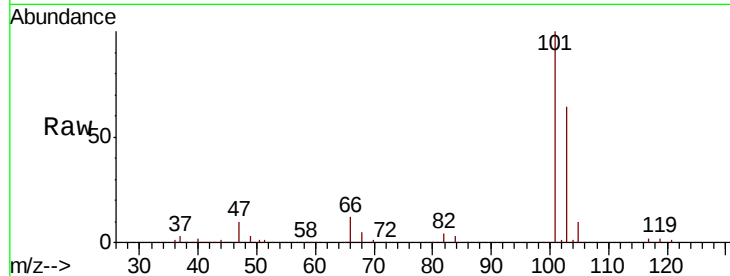
Trichlorofluoromethane
Concen: 45.523 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
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EP1-SB-E2-3(14-17)MSD

Tgt Ion: 101 Resp: 301374
Ion Ratio Lower Upper
101 100
103 64.0 52.6 79.0

Manual Integrations
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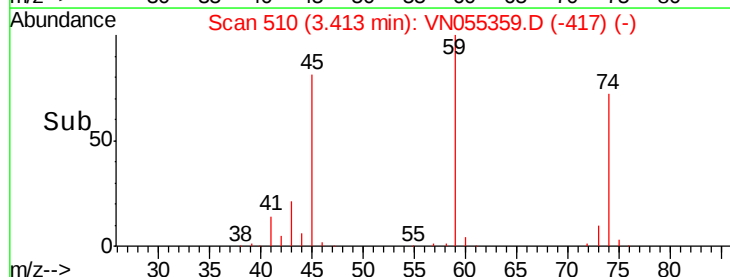
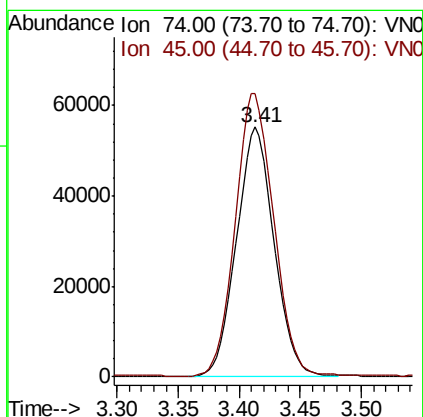
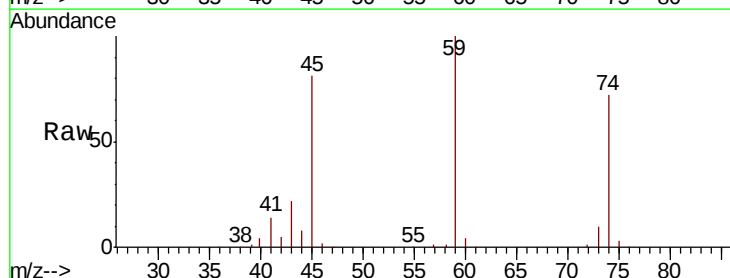
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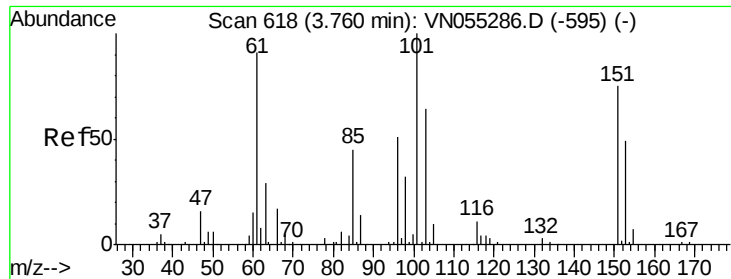


#8

Diethyl Ether
Concen: 50.893 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion: 74 Resp: 117876
Ion Ratio Lower Upper
74 100
45 115.0 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.489 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

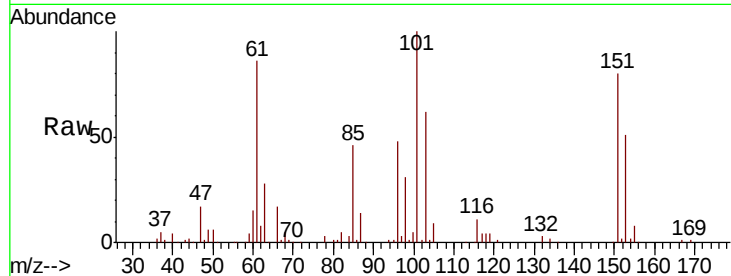
ClientSampleId :

EP1-SB-E2-3(14-17)MSD

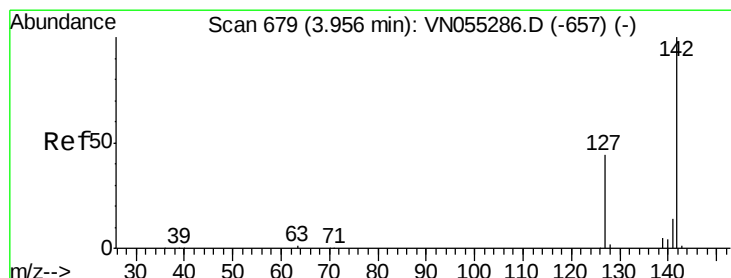
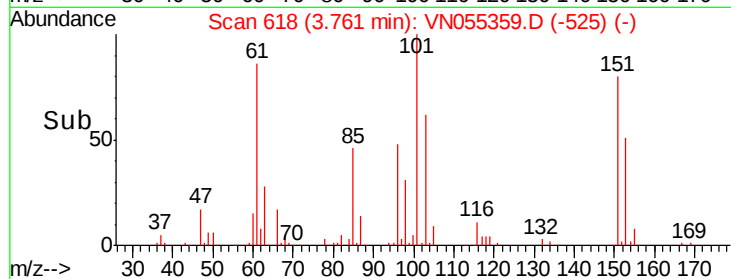
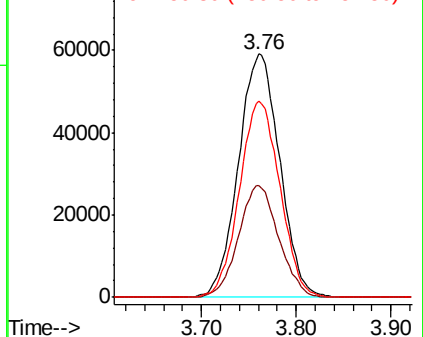
Tgt Ion:	101	Resp:	179327
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.7	53.5
151	79.0	63.3	94.9

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



#10

Methyl Iodide

Concen: 44.851 ug/l

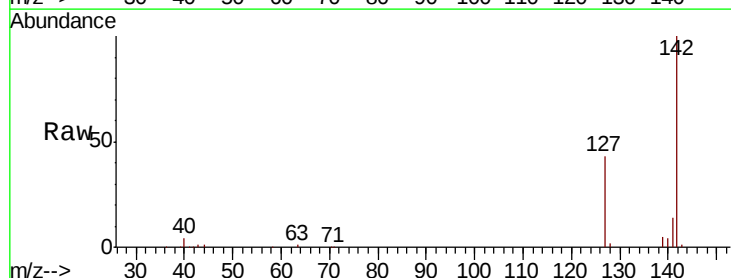
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

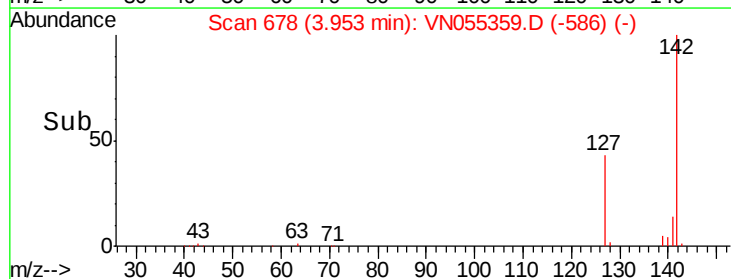
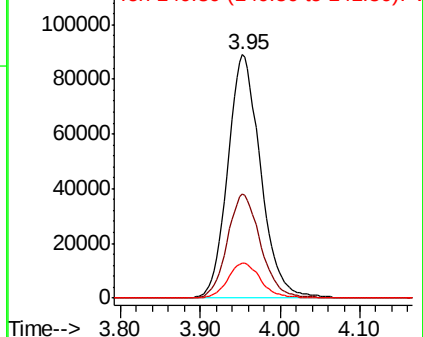
Lab File: VN055359.D

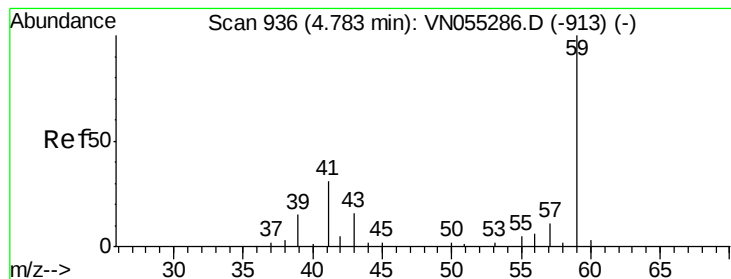
Acq: 2 May 2019 19:15

Tgt Ion:	142	Resp:	248833
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.4	51.6
141	14.4	11.5	17.3



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





#11

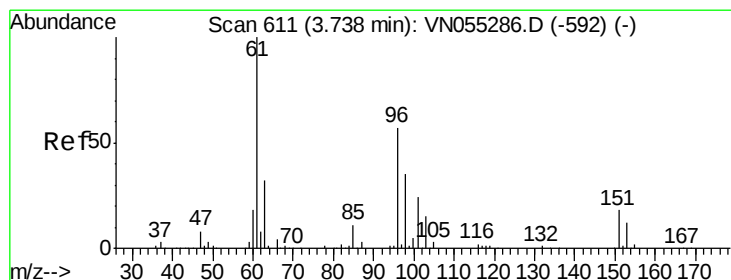
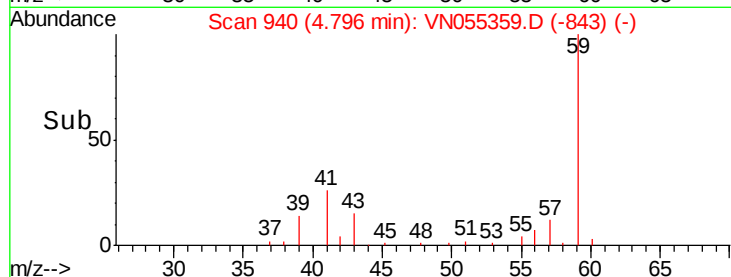
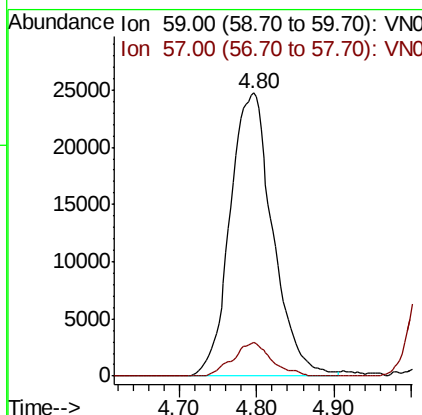
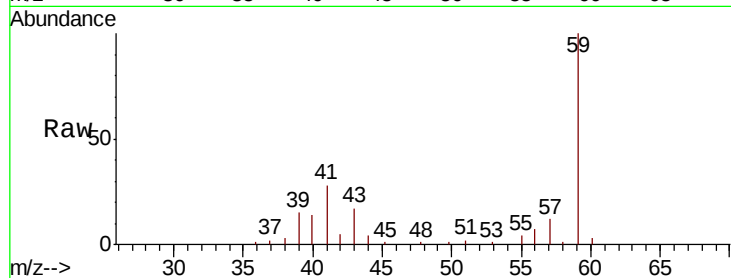
Tert butyl alcohol
Concen: 332.063 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

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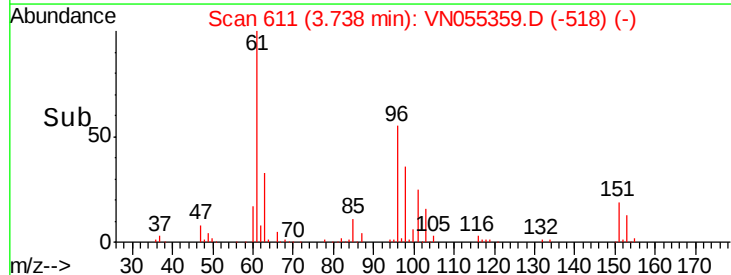
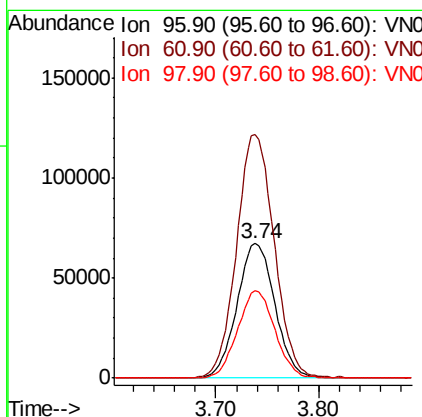
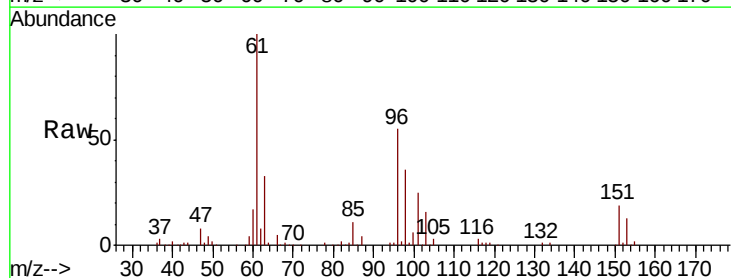
MMDadoda
5/3/2019 1:10:27 PM

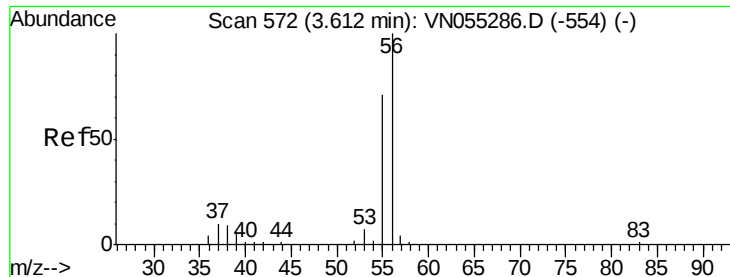


#12

1,1-Dichloroethene
Concen: 45.677 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.0	140.9	211.3
98	65.1	50.0	75.0





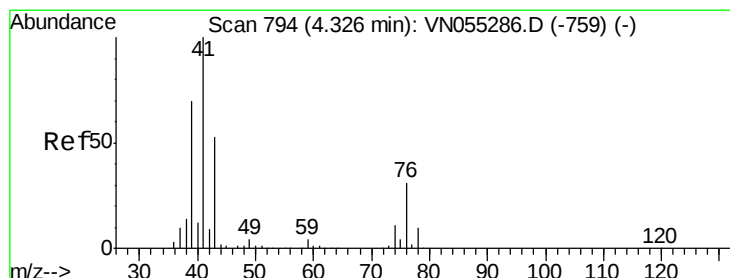
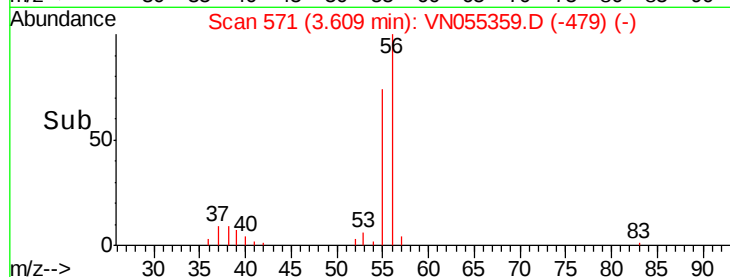
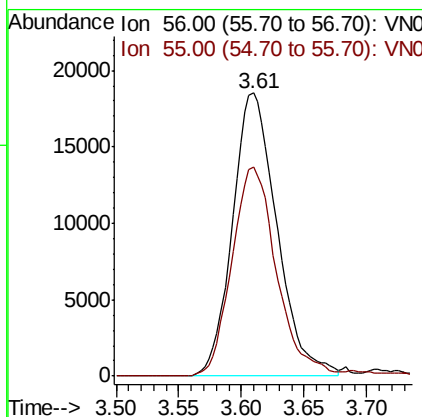
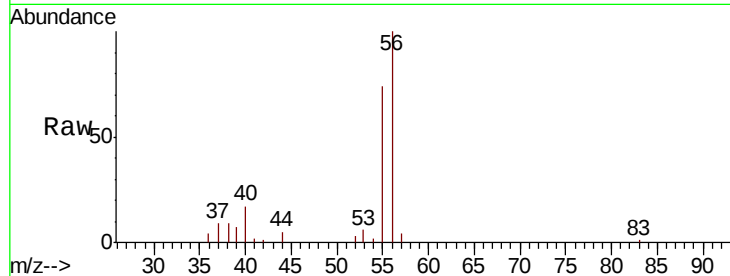
#13
Acrolein
Concen: 205.114 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
55	74.2	57.4	86.2

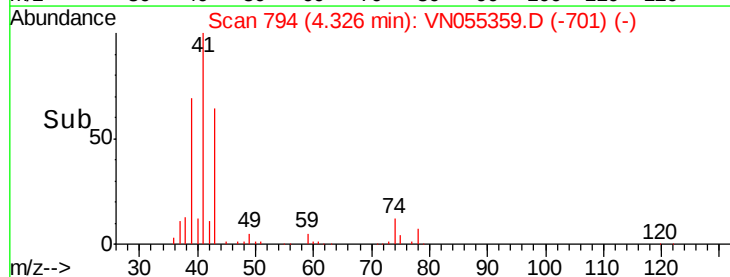
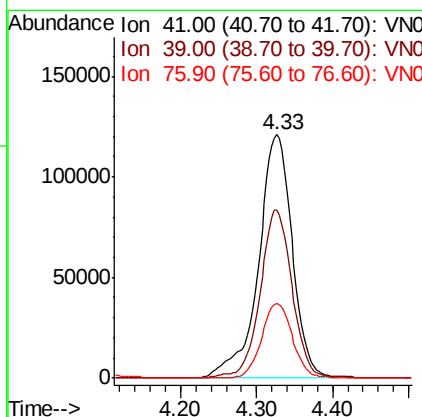
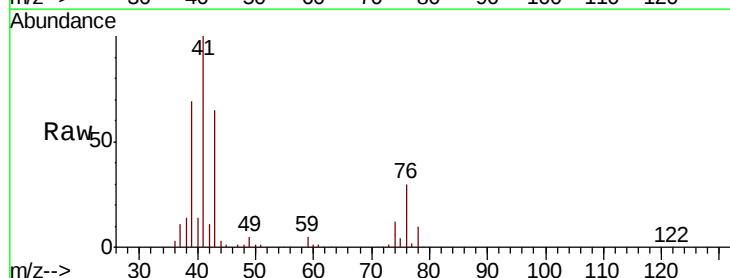
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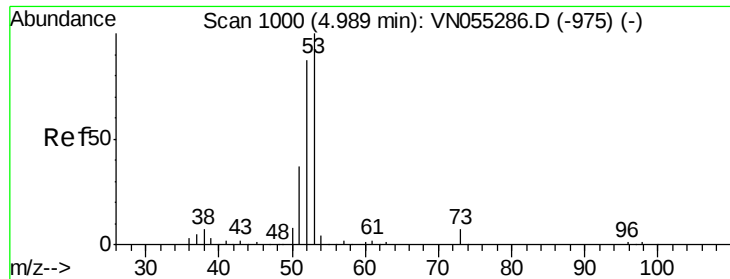
MMDadoda
5/3/2019 1:10:27 PM



#14
Allyl chloride
Concen: 47.777 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.1	53.0	79.6
76	28.0	22.7	34.1





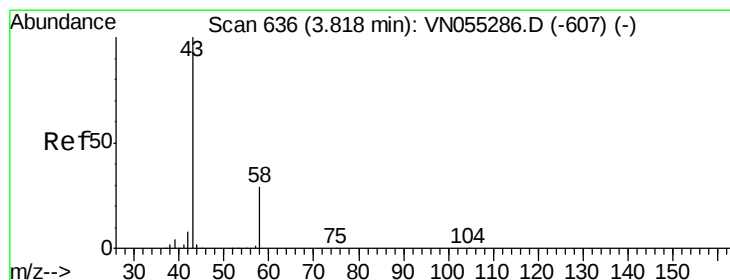
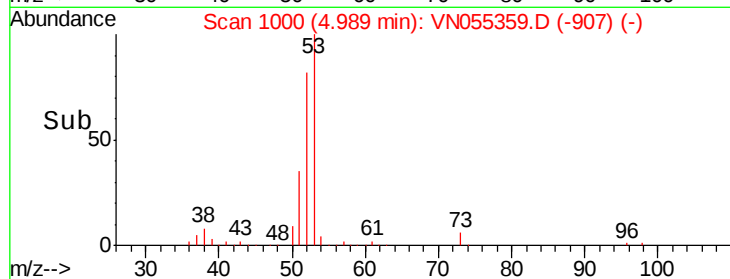
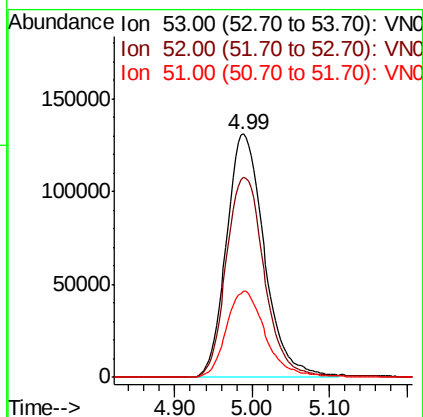
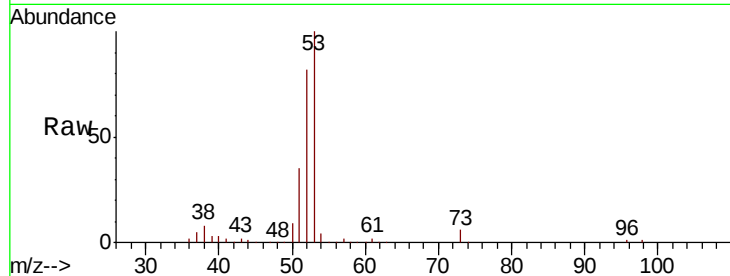
#15
 Acrylonitrile
 Concen: 278.702 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.5	99.7
51	36.6	29.6	44.4

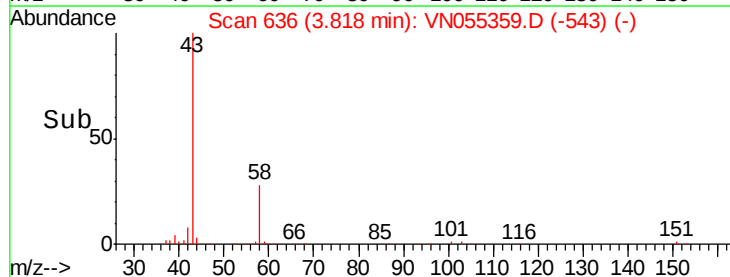
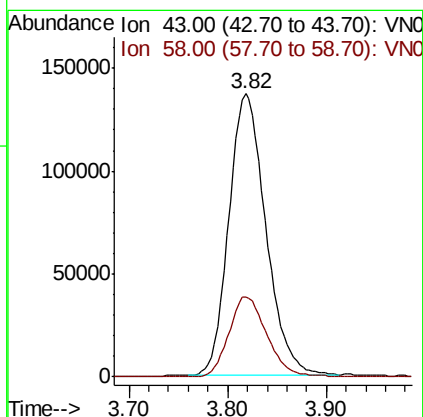
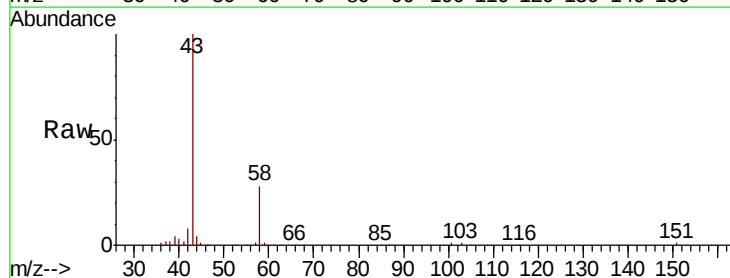
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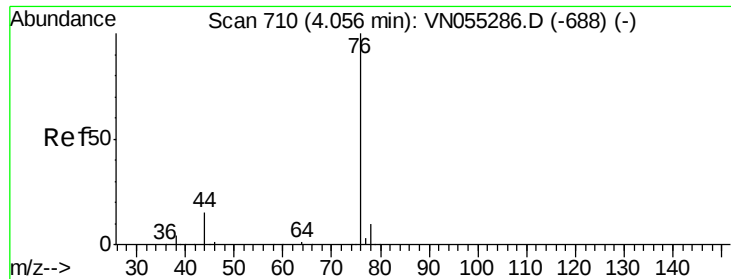
MMDadoda
 5/3/2019 1:10:27 PM



#16
 Acetone
 Concen: 230.209 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.6	35.4





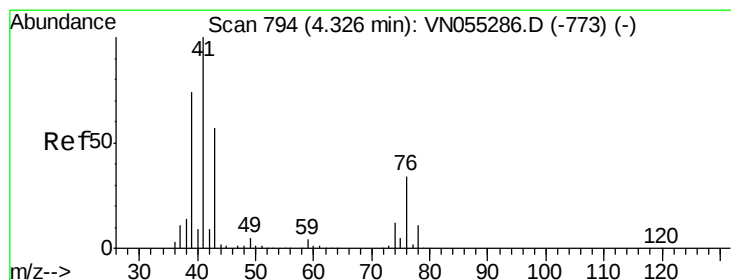
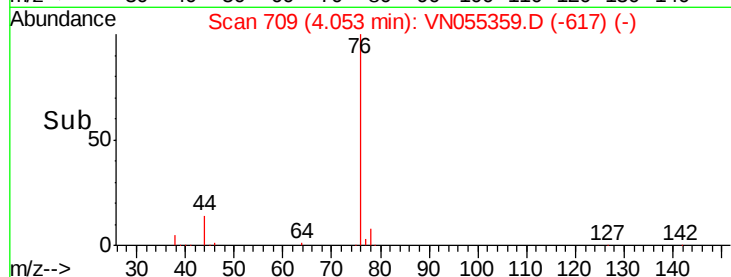
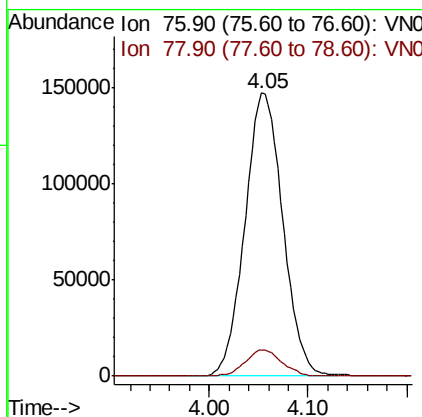
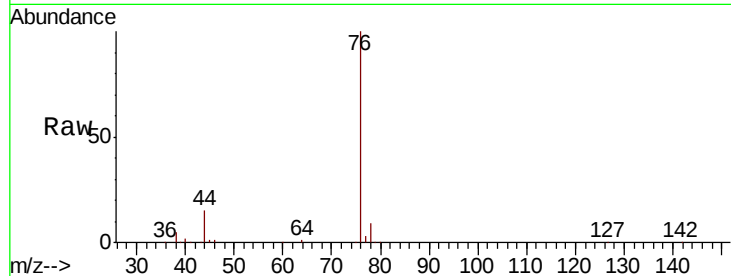
#17
Carbon Disulfide
Concen: 39.808 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion: 76 Resp: 390687
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

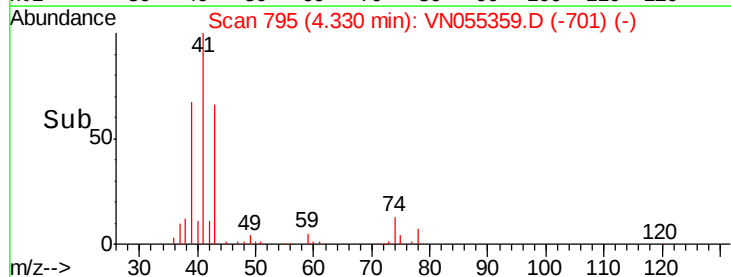
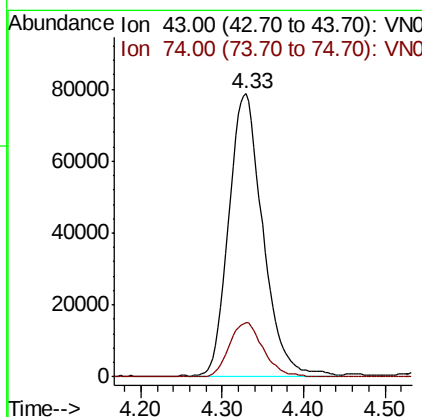
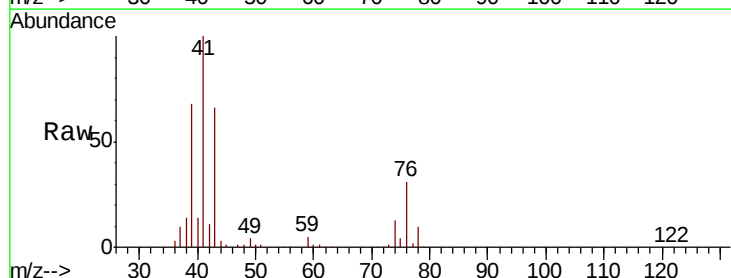
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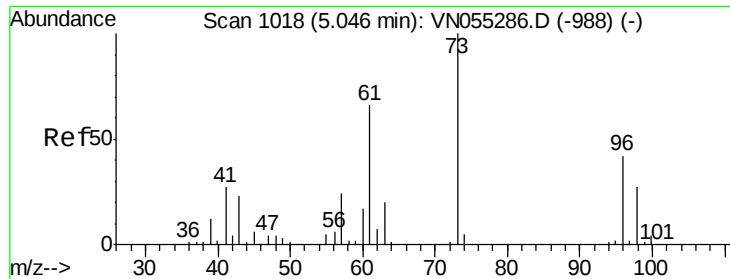
MMDadoda
5/3/2019 1:10:27 PM



#18
Methyl Acetate
Concen: 60.640 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion: 43 Resp: 228404
Ion Ratio Lower Upper
43 100
74 19.2 15.8 23.8





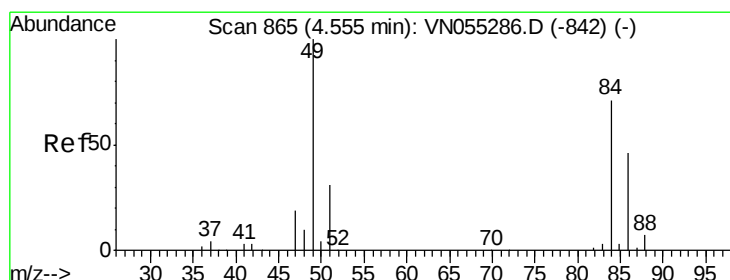
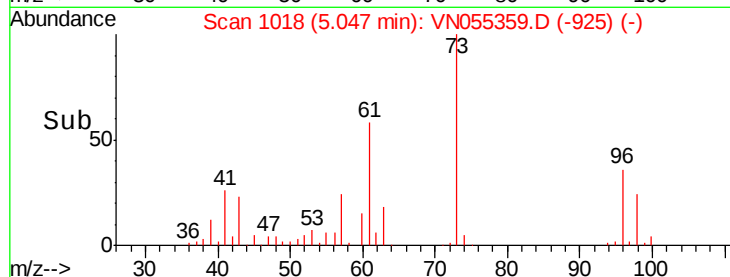
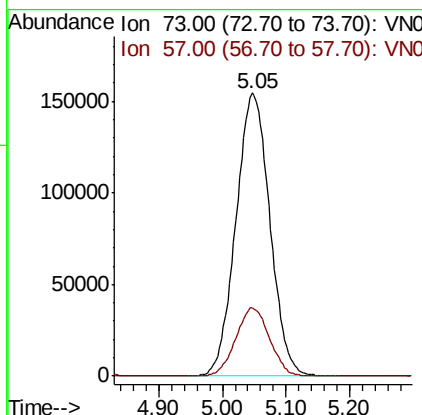
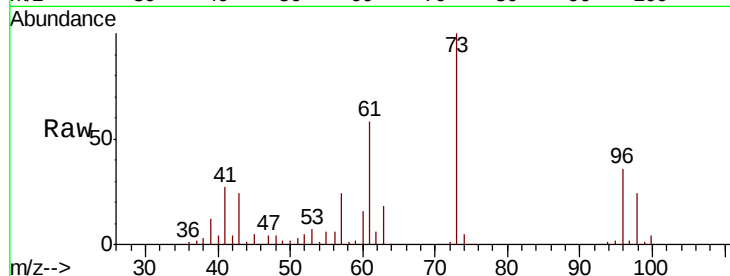
#19
Methyl tert-butyl Ether
Concen: 54.226 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion: 73 Resp: 573283
Ion Ratio Lower Upper
73 100
57 24.3 19.1 28.7

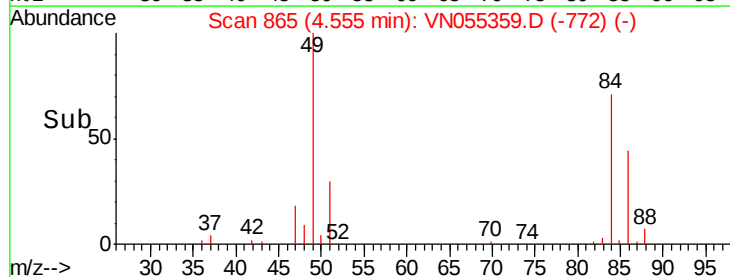
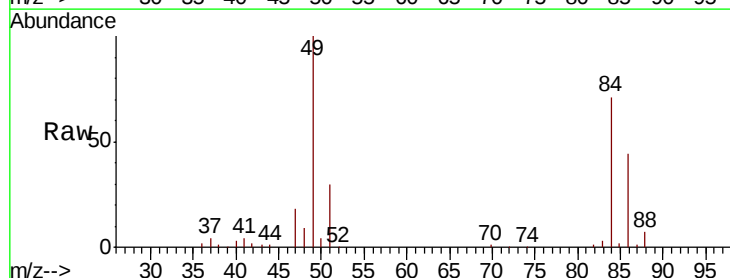
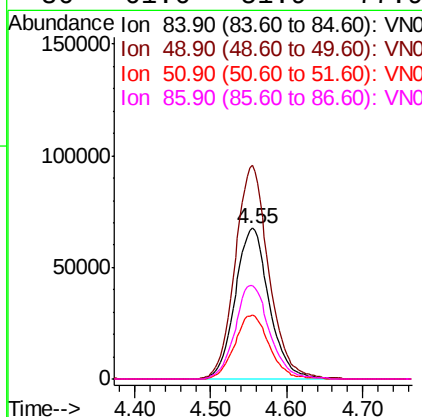
Manual Integrations
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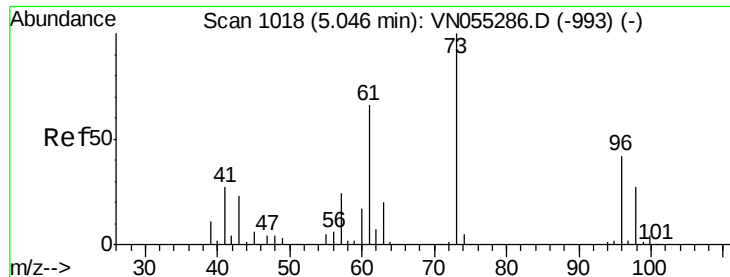
MMDadoda
5/3/2019 1:10:27 PM



#20
Methylene Chloride
Concen: 44.282 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion: 84 Resp: 209750
Ion Ratio Lower Upper
84 100
49 141.5 112.4 168.6
51 42.1 34.6 51.8
86 61.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.819 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion: 96 Resp: 182489

Ion Ratio Lower Upper

96 100

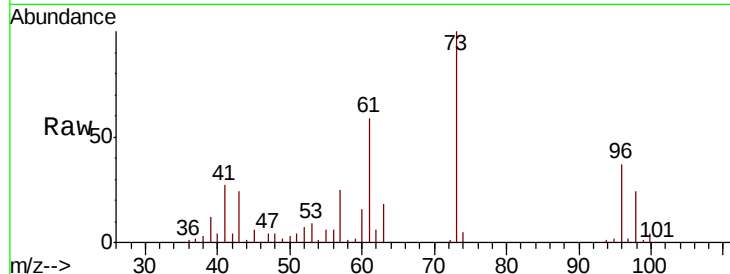
61 159.1 126.2 189.4

98 64.6 52.2 78.2

Manual Integrations
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MMDadoda

5/3/2019 1:10:27 PM

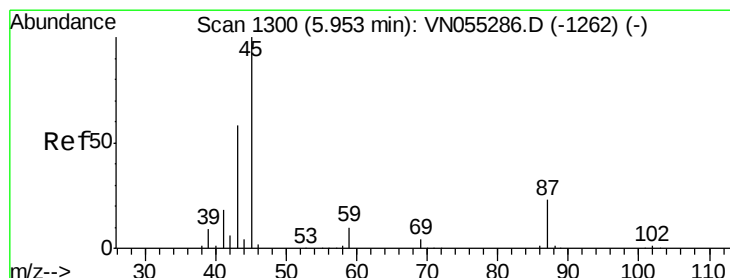
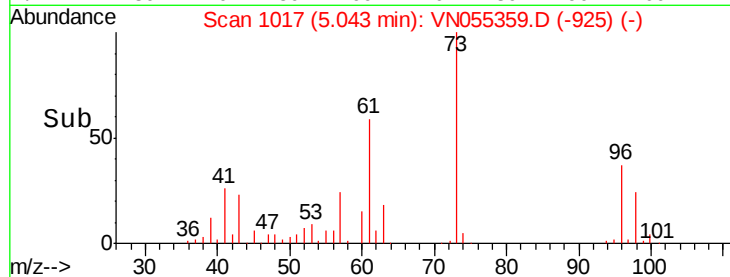
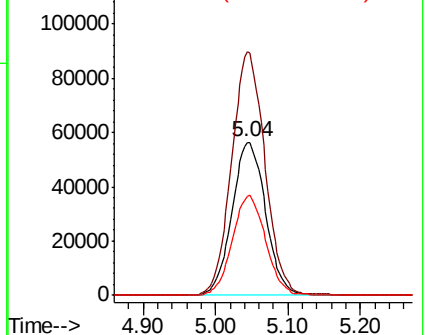


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.213 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Tgt Ion: 45 Resp: 792544

Ion Ratio Lower Upper

45 100

43 61.3 46.6 70.0

87 22.0 18.1 27.1

59 10.2 8.2 12.2

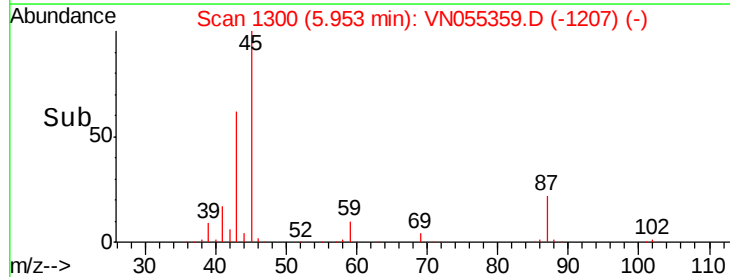
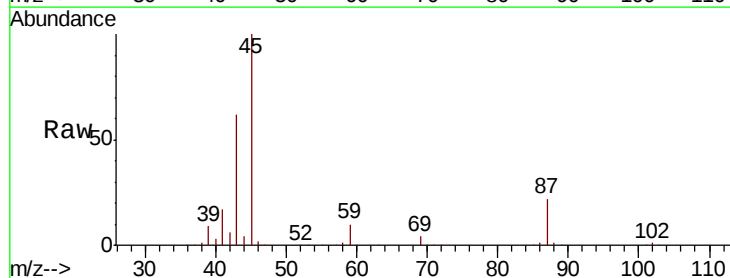
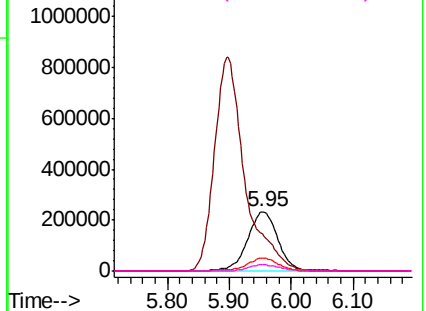
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





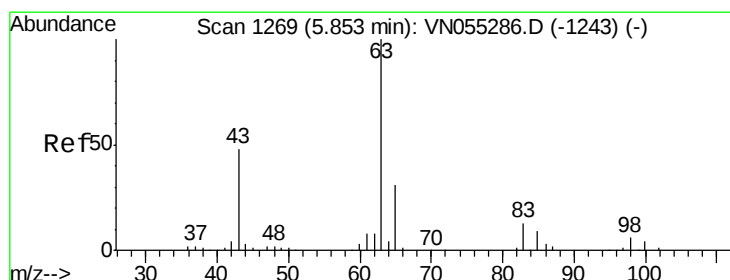
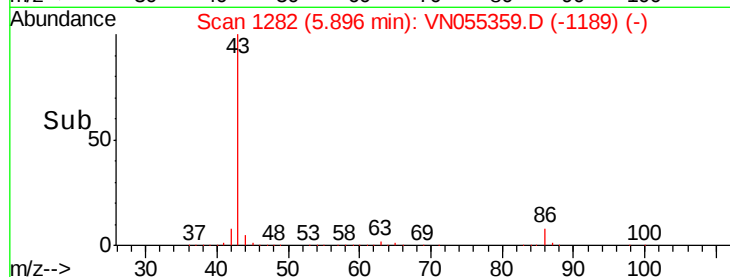
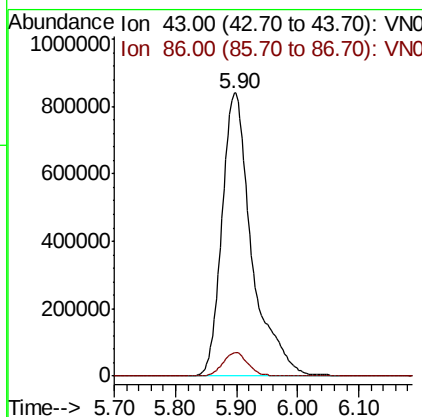
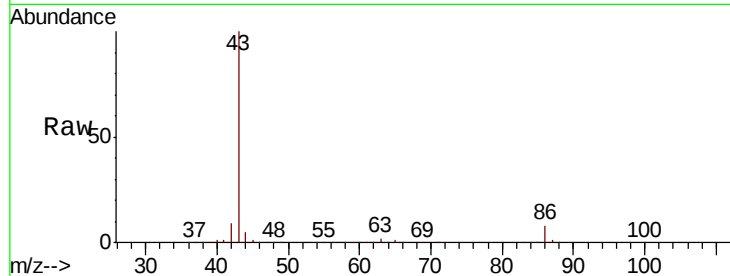
#23
 Vinyl Acetate
 Concen: 281.541 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion: 43 Resp: 285551
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0

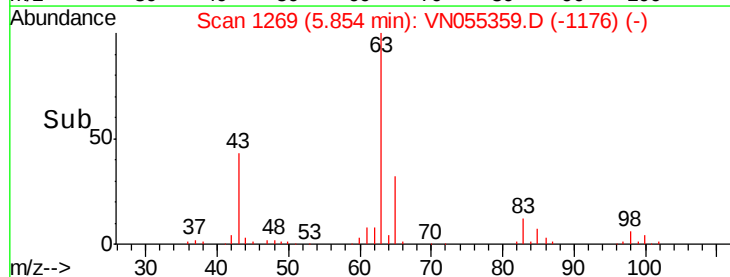
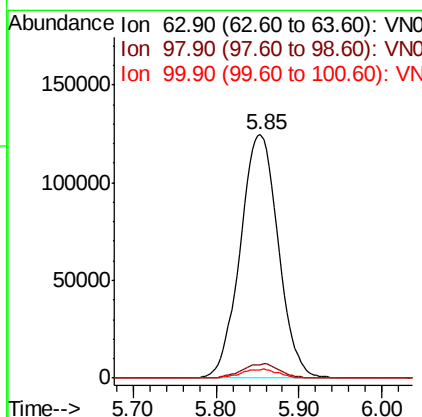
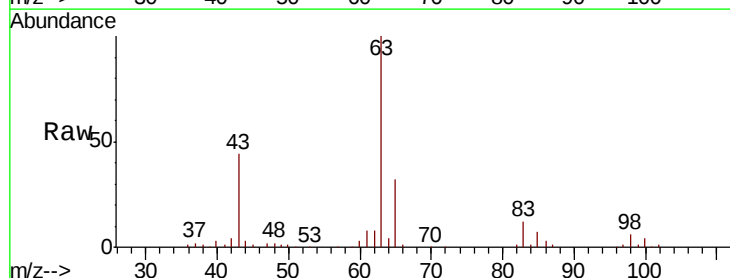
Manual Integrations
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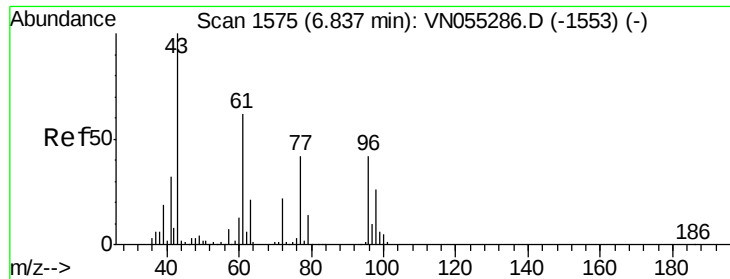
MMDadoda
 5/3/2019 1:10:27 PM



#24
 1,1-Dichloroethane
 Concen: 48.138 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion: 63 Resp: 396923
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 3.6 1.8 5.4





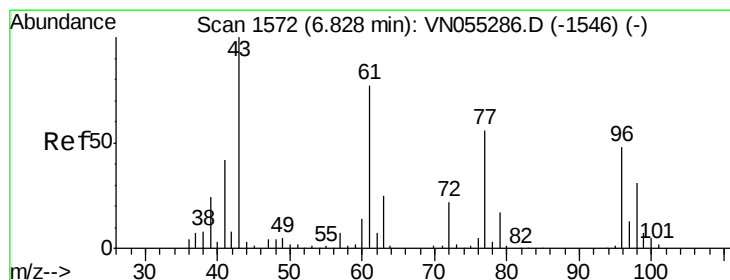
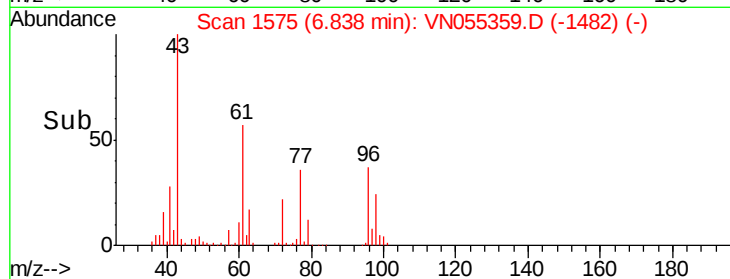
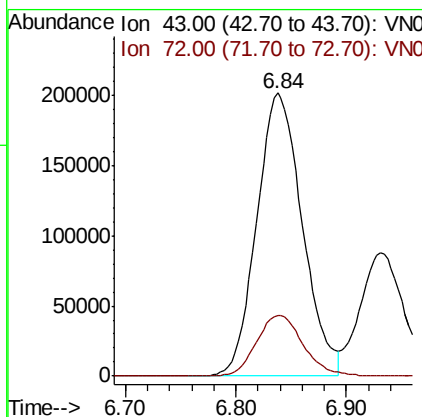
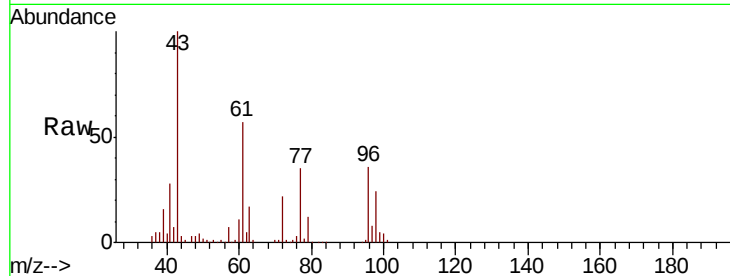
#25
 2-Butanone
 Concen: 289.333 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion: 43 Resp: 574207
 Ion Ratio Lower Upper
 43 100
 72 21.6 18.0 27.0

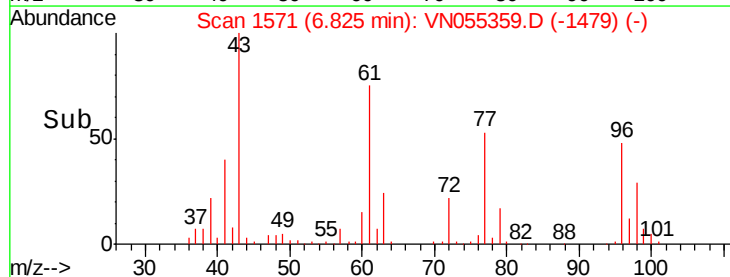
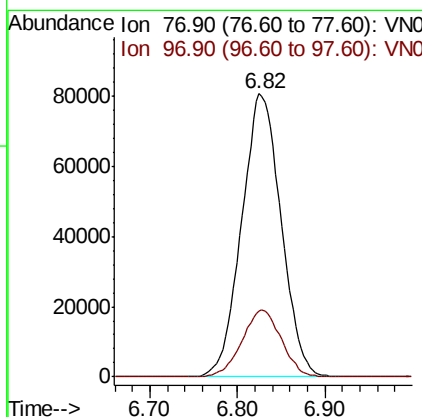
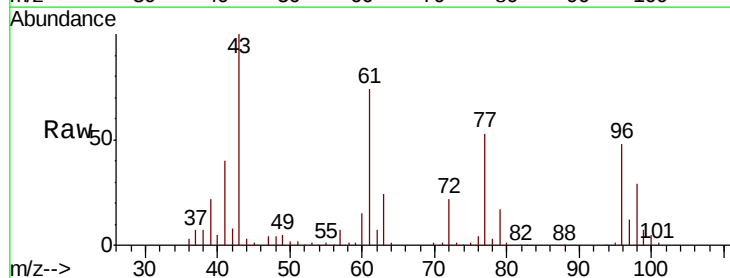
Manual Integrations
 APPROVED

MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 44.316 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion: 77 Resp: 252329
 Ion Ratio Lower Upper
 77 100
 97 23.5 11.4 34.2





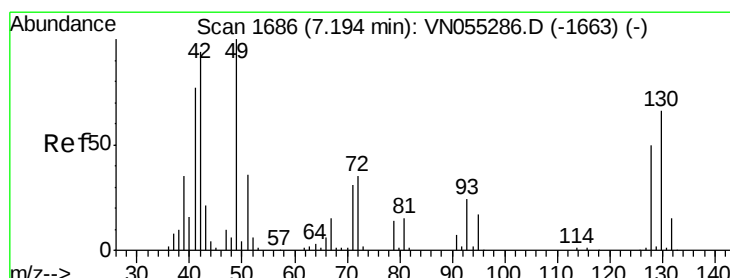
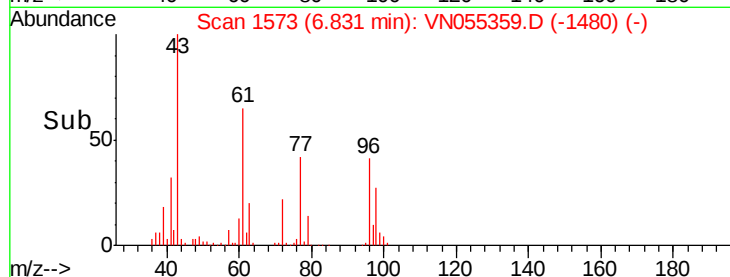
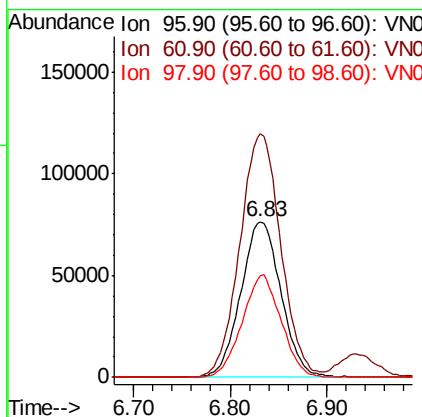
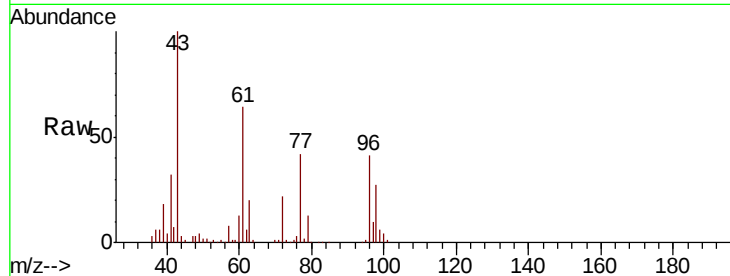
#27
 cis-1,2-Dichloroethene
 Concen: 48.713 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	220631		
61	159.5	0.0	316.2	
98	64.0	0.0	126.6	

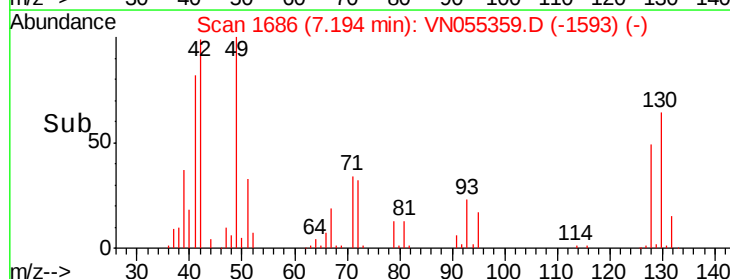
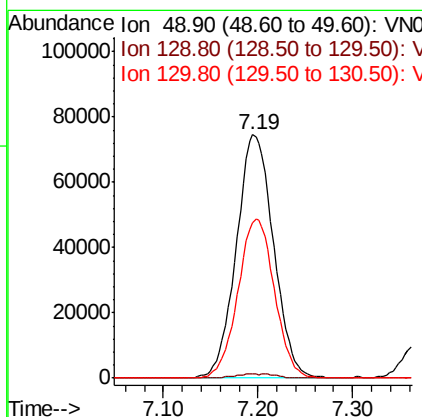
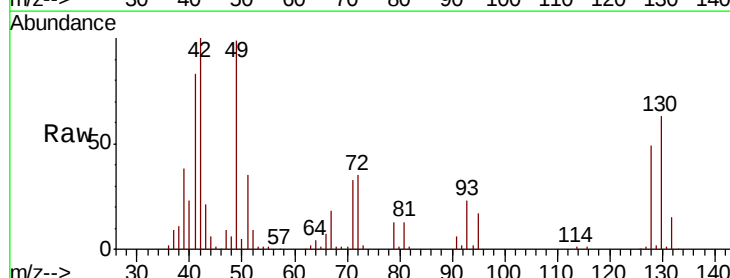
Manual Integrations
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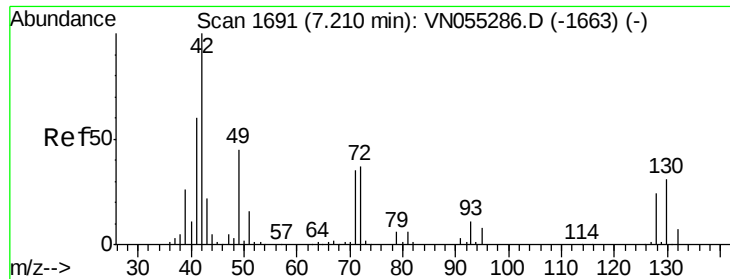
MMDadoda
 5/3/2019 1:10:27 PM



#28
 Bromochloromethane
 Concen: 49.070 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	203947		
129	1.1	0.0	2.4	
130	64.1	52.0	78.0	





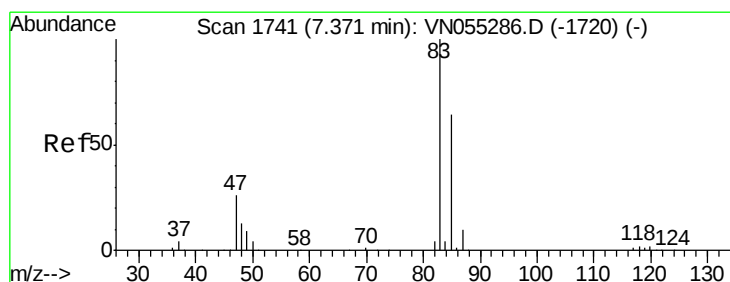
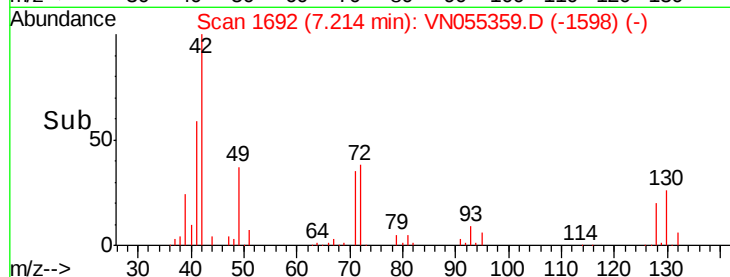
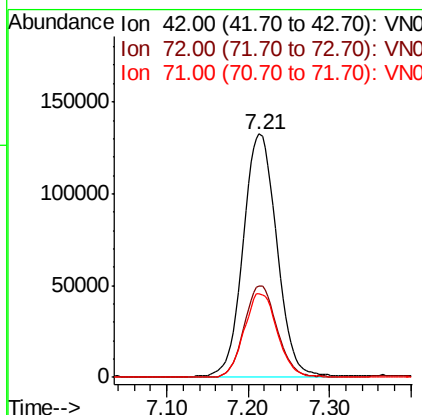
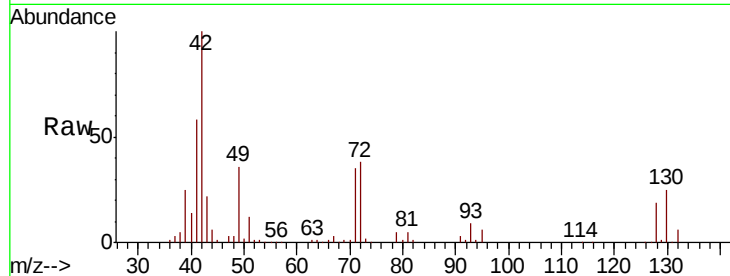
#29
Tetrahydrofuran
Concen: 296.595 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.5	29.0	43.6
71	34.3	27.1	40.7

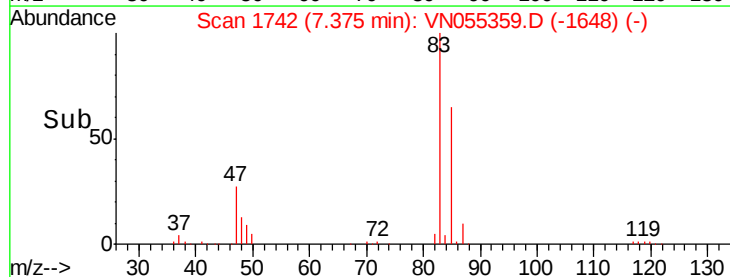
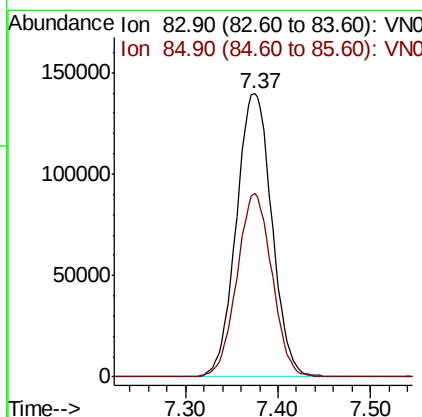
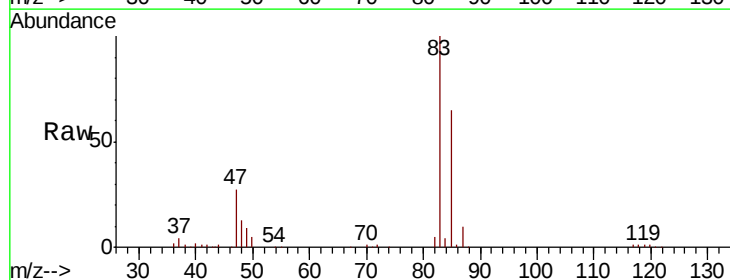
Manual Integrations
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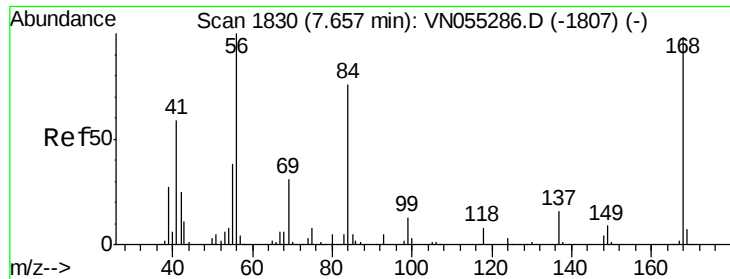
MMDadoda
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#30
Chloroform
Concen: 47.551 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





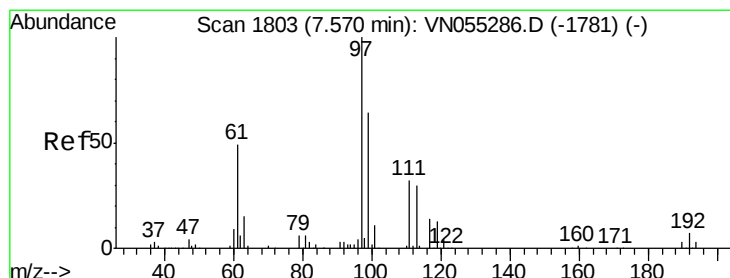
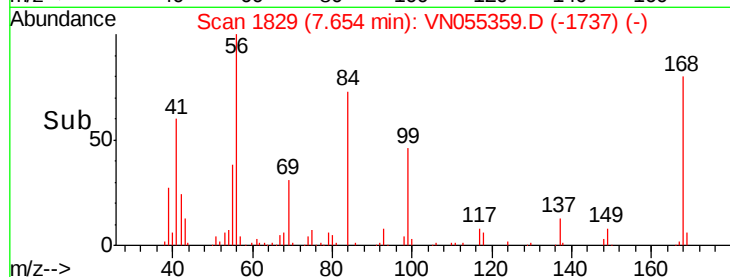
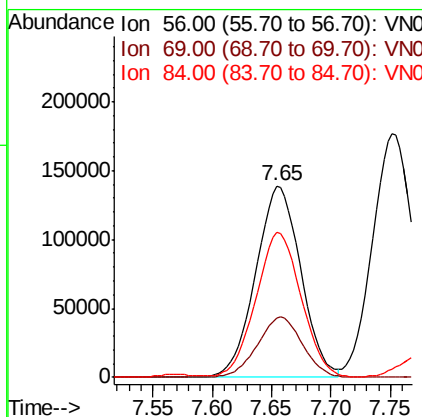
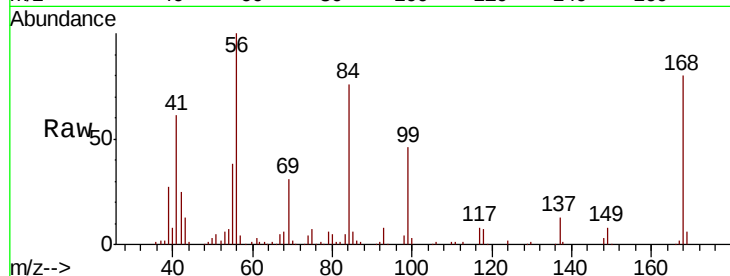
#31
Cyclohexane
Concen: 46.536 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.2	37.8
84	74.6	61.1	91.7

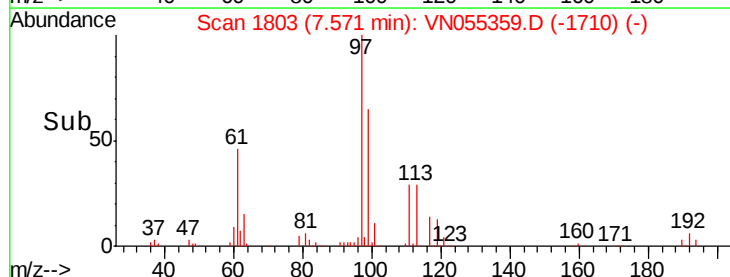
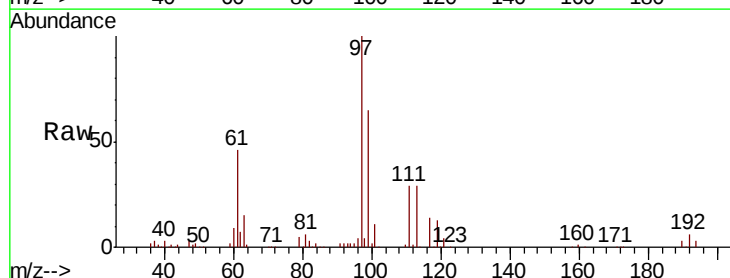
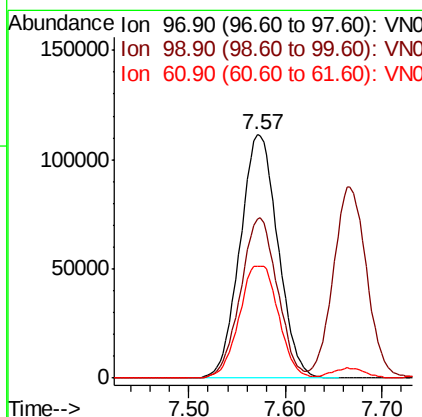
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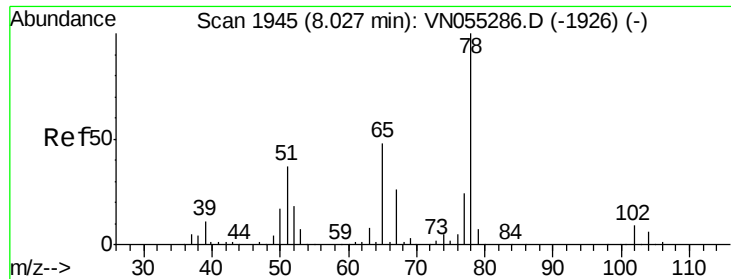
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5/3/2019 1:10:27 PM



#32
1,1,1-Trichloroethane
Concen: 47.700 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	47.8	39.0	58.6





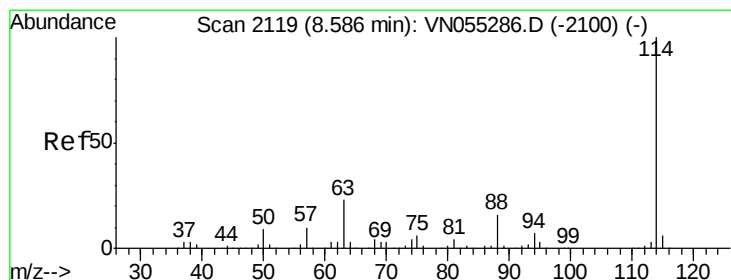
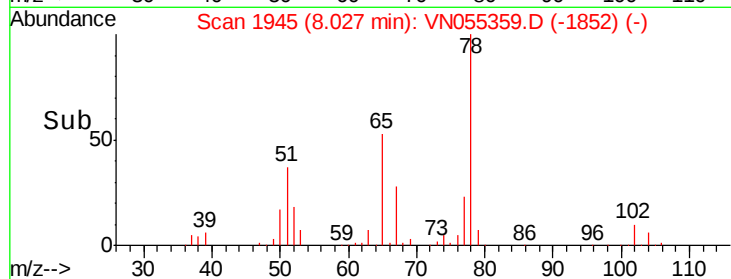
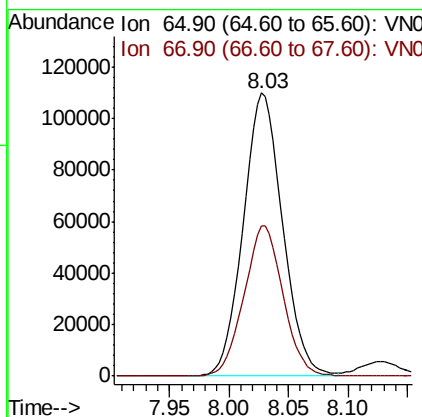
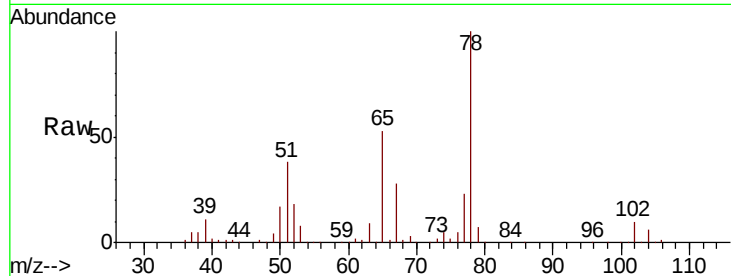
#33
 1,2-Dichloroethane-d4
 Concen: 50.517 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	251596		
67	52.7	0.0	106.8	

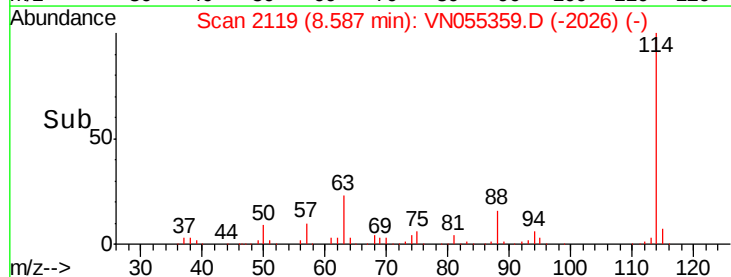
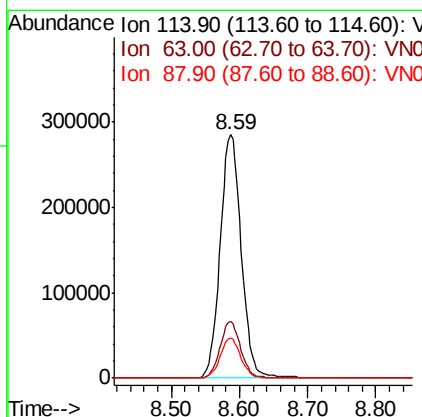
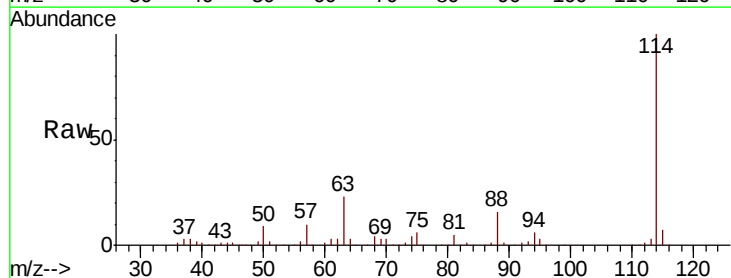
Manual Integrations
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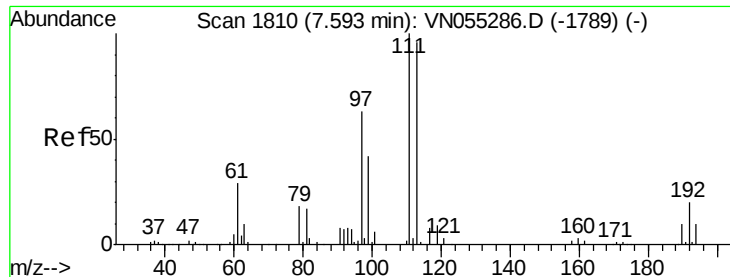
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 5/3/2019 1:10:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	612639		
63	23.2	0.0	45.2	
88	16.3	0.0	31.6	





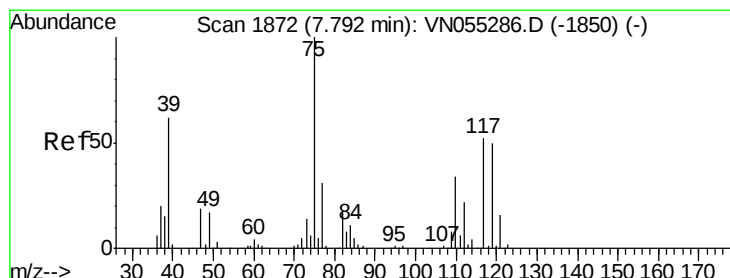
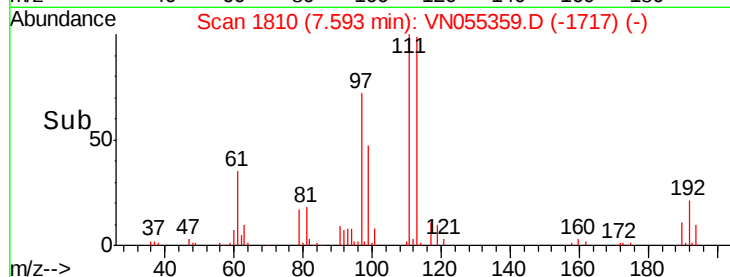
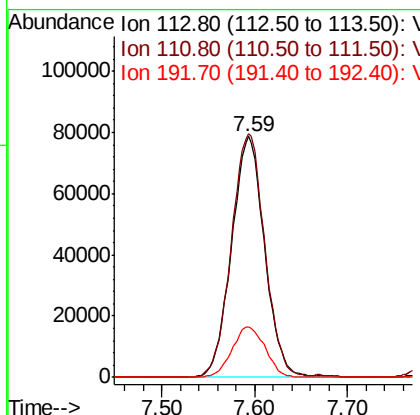
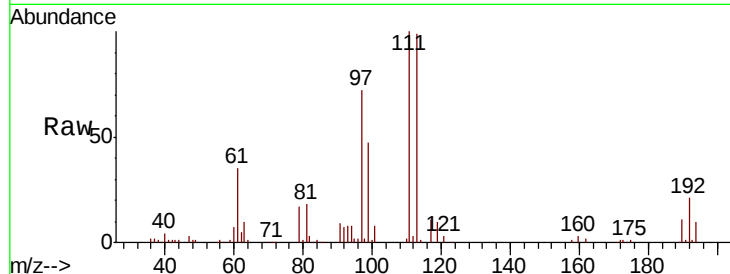
#35
 Dibromofluoromethane
 Concen: 48.297 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	194208		
111	102.1	82.3	123.5	
192	21.1	17.0	25.6	

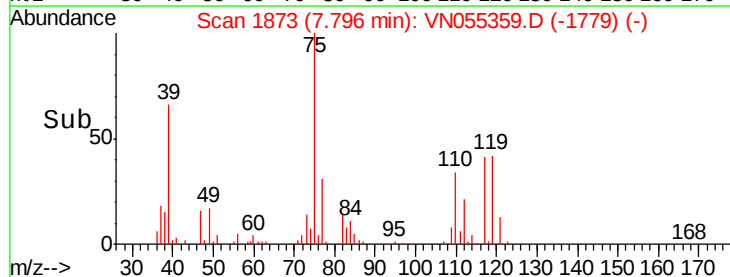
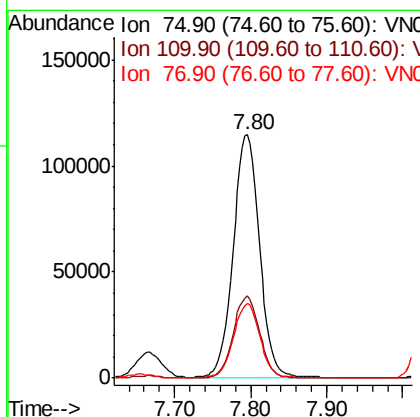
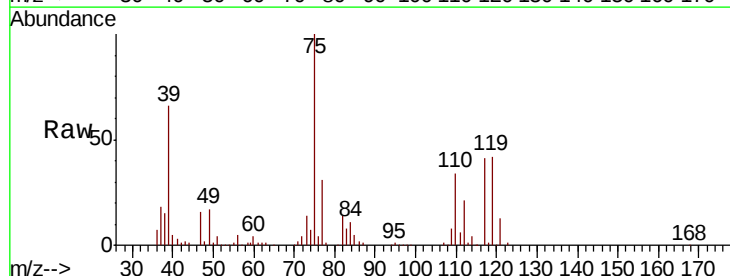
Manual Integrations
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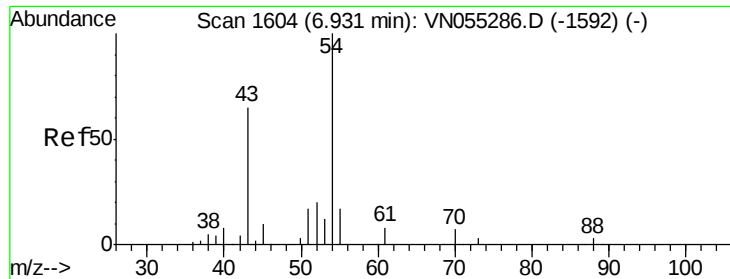
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 5/3/2019 1:10:27 PM



#36
 1,1-Dichloropropene
 Concen: 46.982 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	275699		
110	33.9	16.8	50.4	
77	31.0	25.0	37.6	





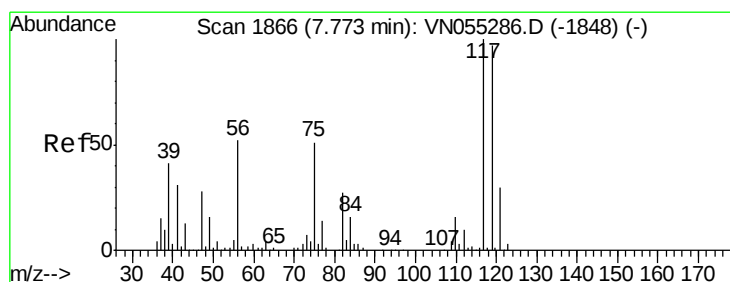
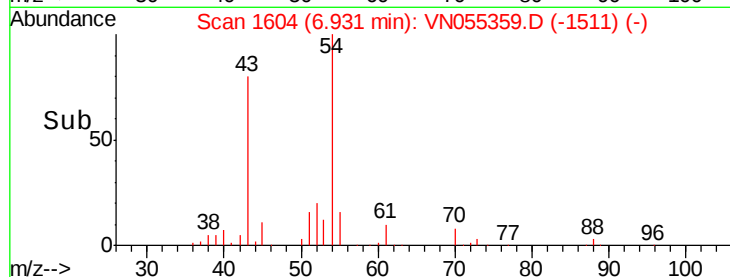
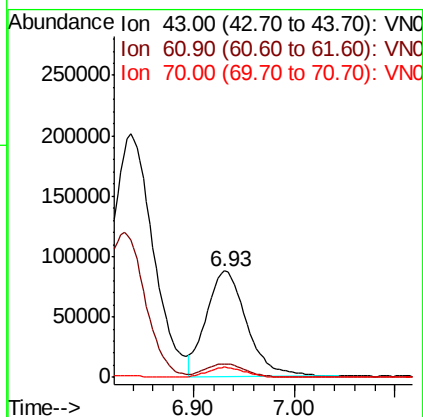
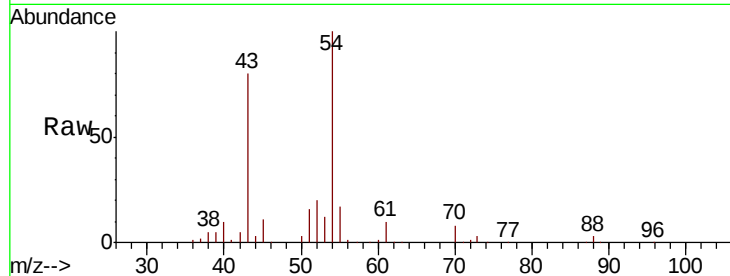
#37
Ethyl Acetate
 Concen: 53.941 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	9.2	6.6	10.0

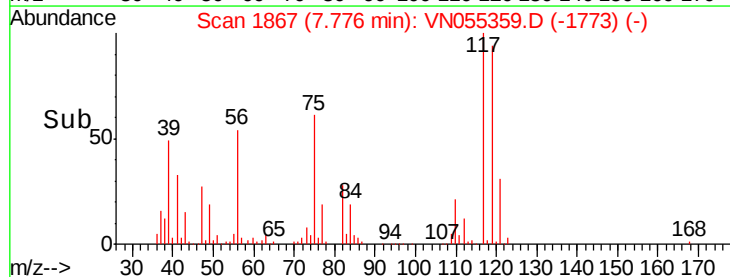
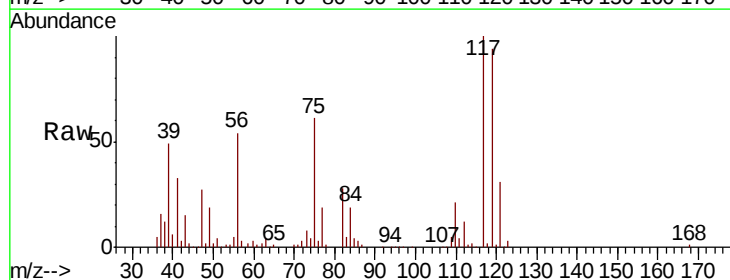
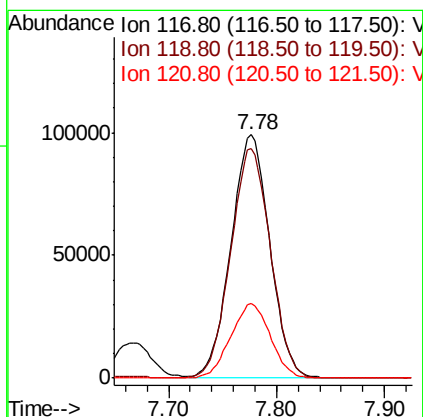
Manual Integrations
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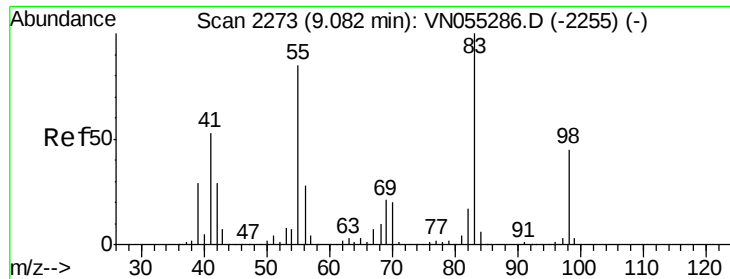
MMDadoda
 5/3/2019 1:10:27 PM



#38
Carbon Tetrachloride
 Concen: 43.973 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.6
121	30.7	23.8	35.8





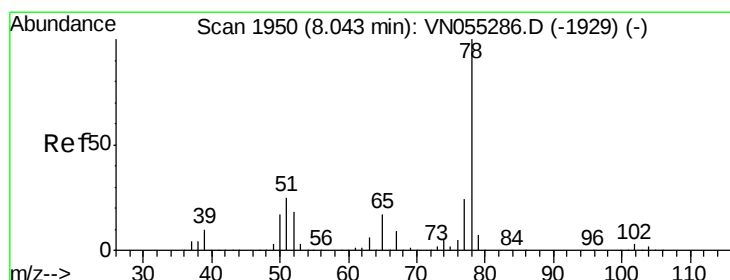
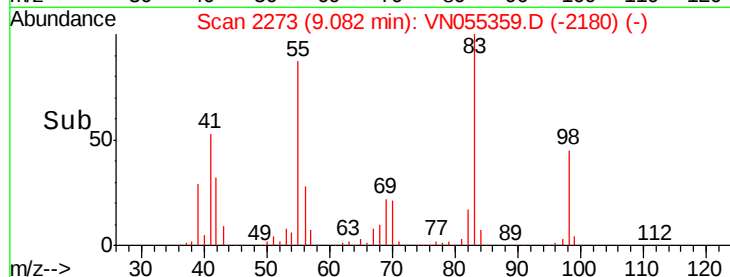
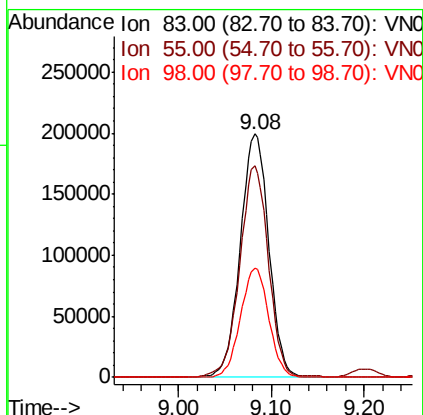
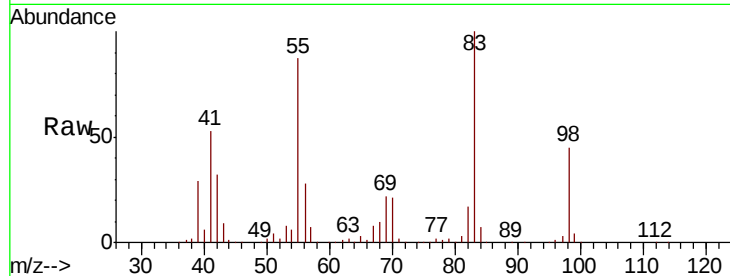
#39
Methylcyclohexane
Concen: 68.208 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion: 83 Resp: 425557
Ion Ratio Lower Upper
83 100
55 86.8 67.8 101.6
98 45.0 36.2 54.4

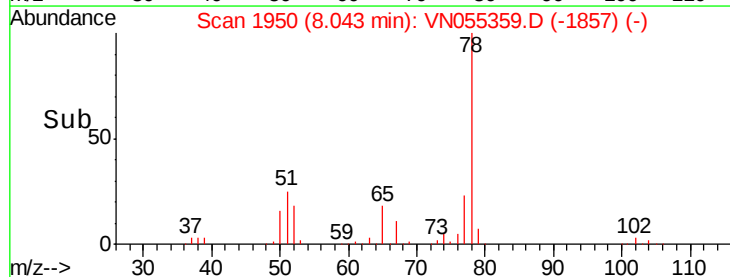
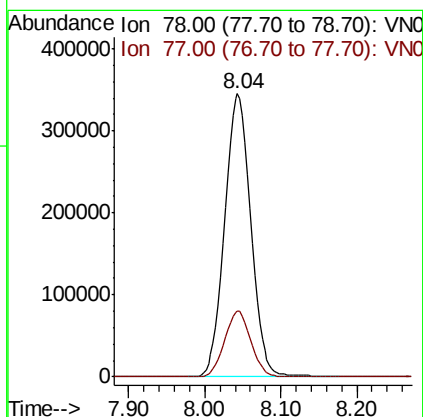
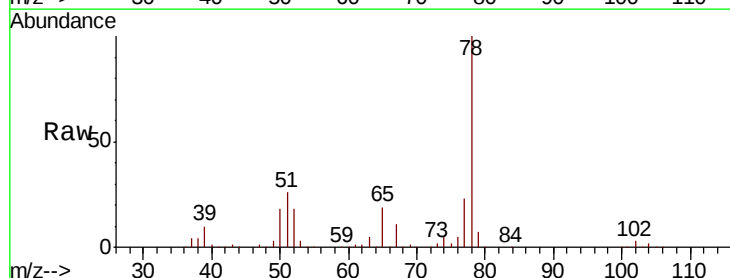
Manual Integrations
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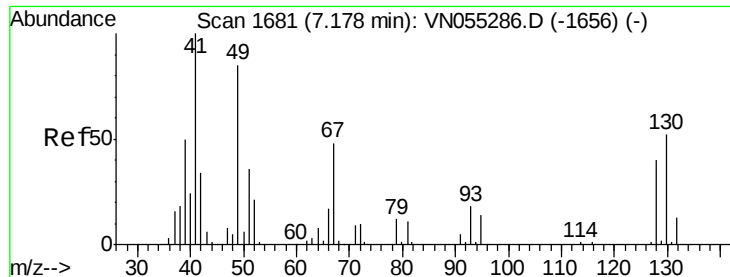
MMDadoda
5/3/2019 1:10:27 PM



#40
Benzene
Concen: 47.867 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion: 78 Resp: 828037
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6





#41

Methacrylonitrile

Concen: 59.944 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion: 41 Resp: 146272

Ion Ratio Lower Upper

41 100

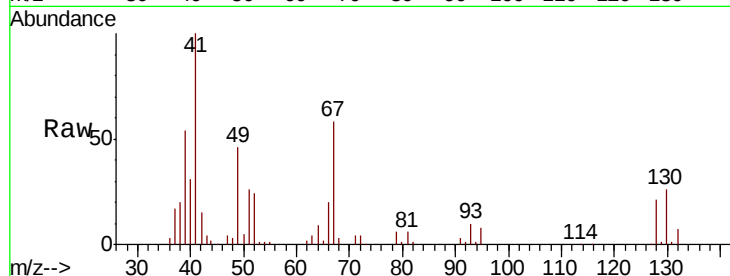
39 57.4 48.5 72.7

67 65.6 54.9 82.3

52 28.5 24.9 37.3

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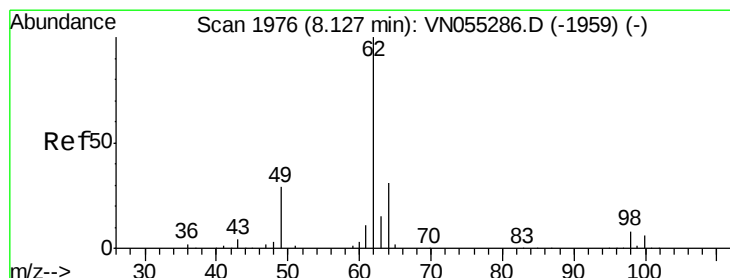
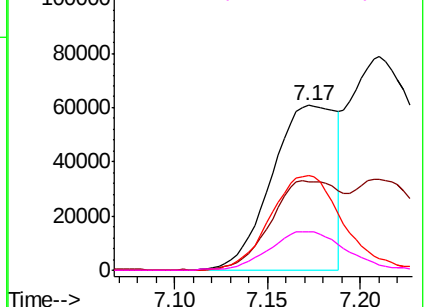
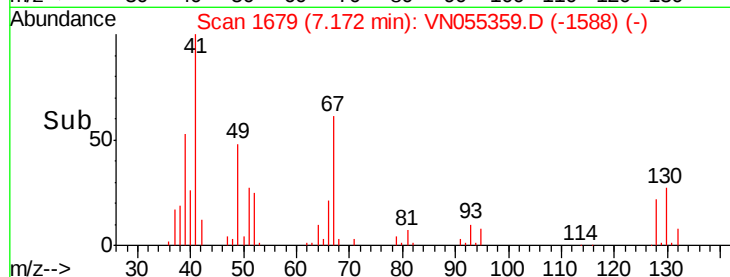


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 48.251 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN055359.D

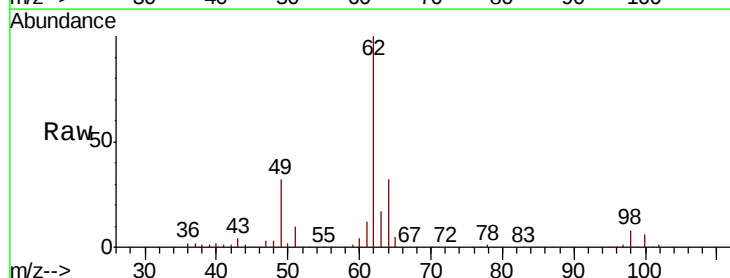
Acq: 2 May 2019 19:15

Tgt Ion: 62 Resp: 295630

Ion Ratio Lower Upper

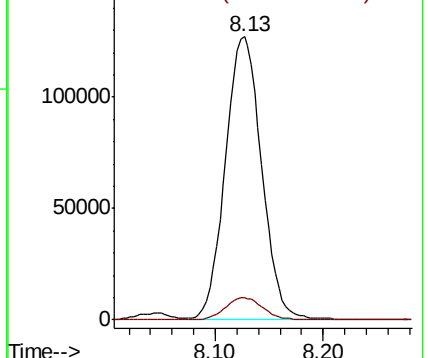
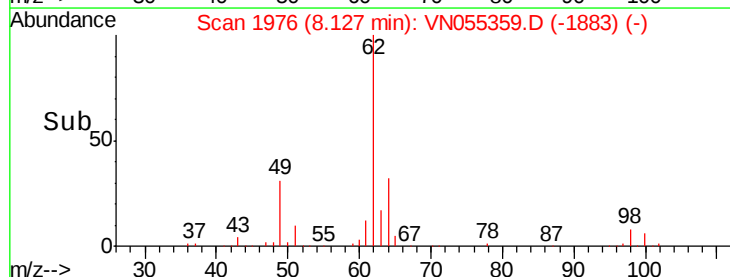
62 100

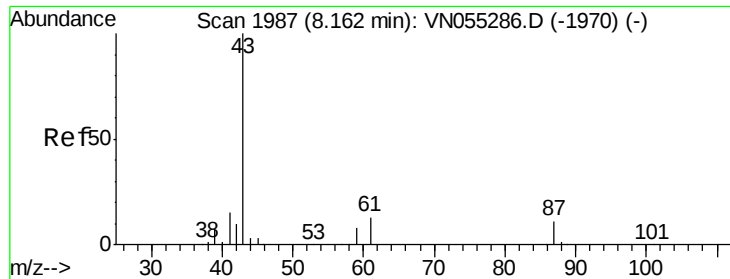
98 8.3 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 62.474 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

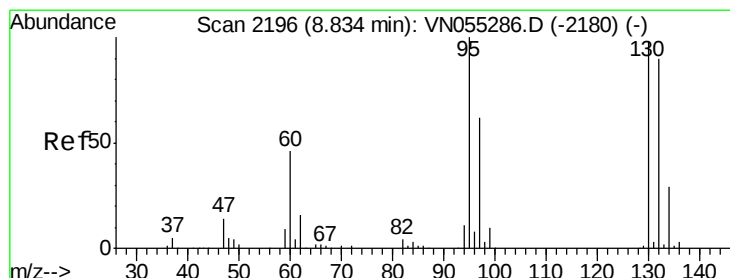
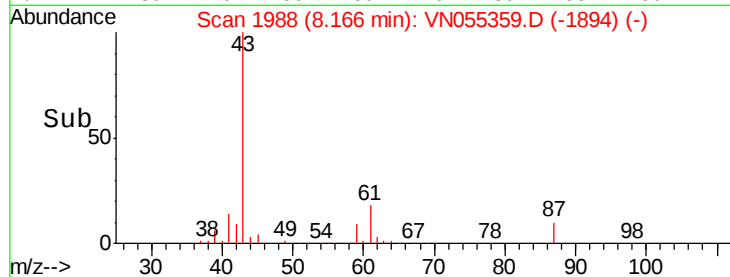
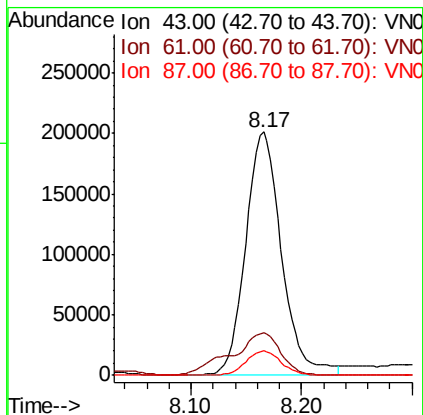
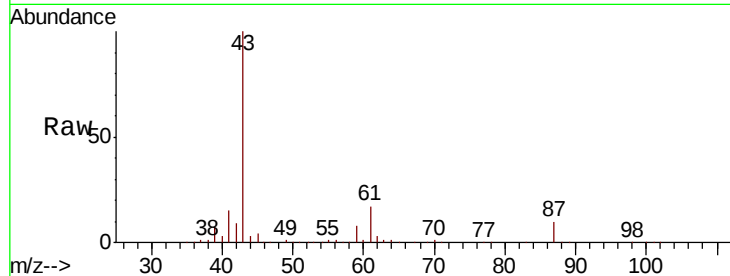
ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion:	43	Resp:	451542
Ion	Ratio	Lower	Upper
43	100		
61	23.7	20.8	31.2
87	9.9	8.5	12.7

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#44

Trichloroethene

Concen: 46.458 ug/l

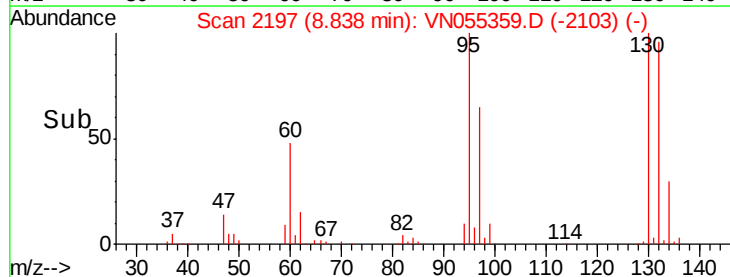
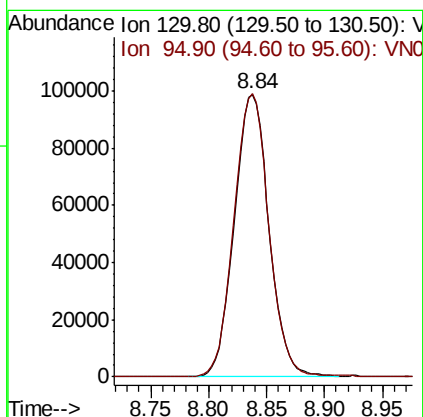
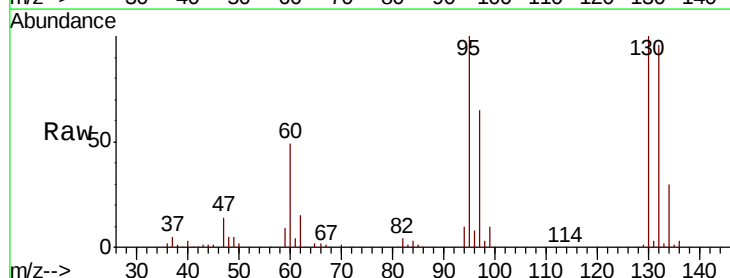
RT: 8.84 min Scan# 2197

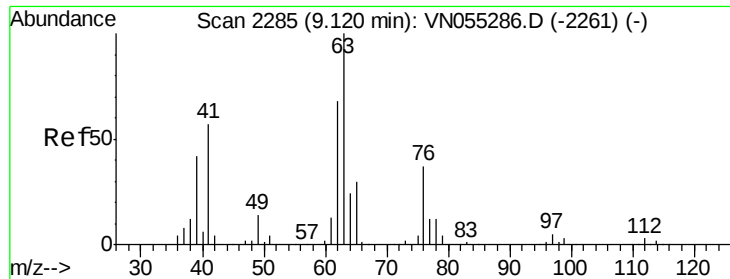
Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Tgt Ion:	130	Resp:	204880
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	203.4





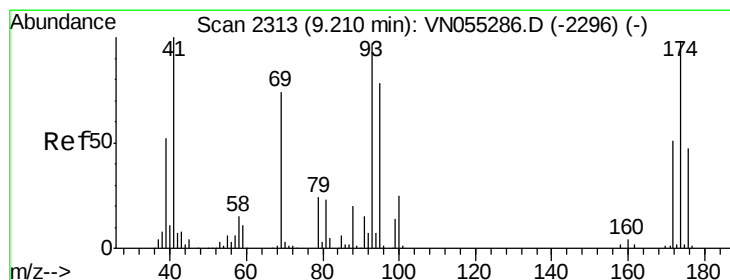
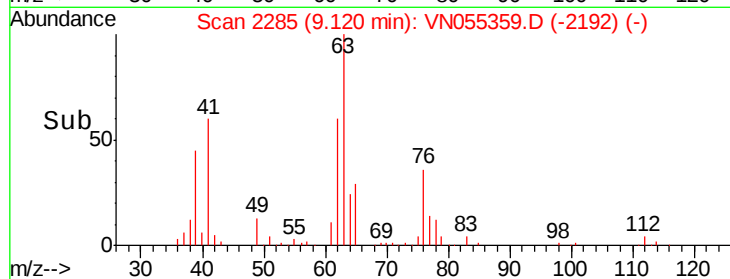
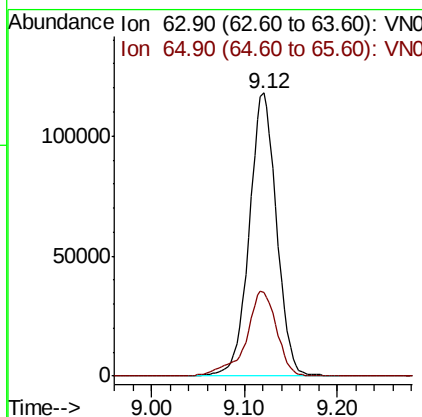
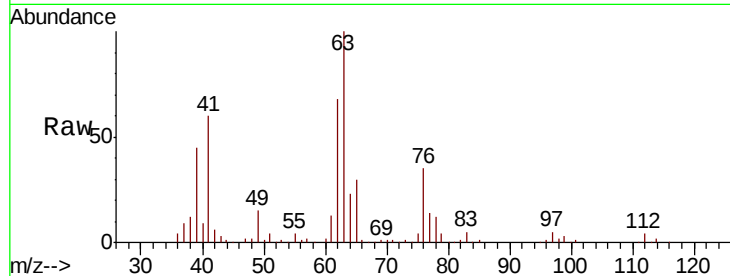
#45
 1,2-Dichloropropane
 Concen: 48.236 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion: 63 Resp: 240663
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.9 35.9

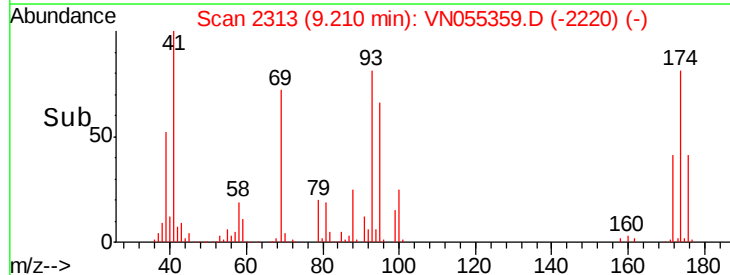
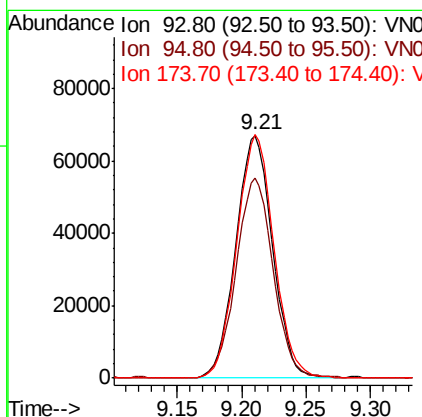
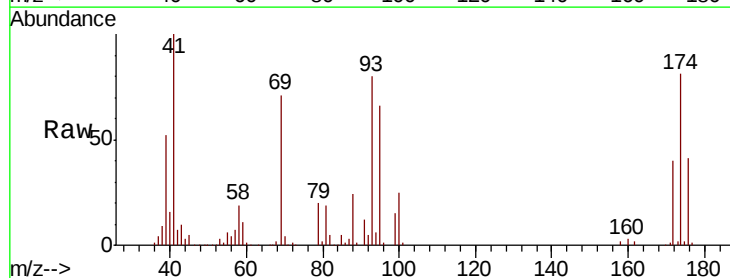
Manual Integrations
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 5/3/2019 1:10:27 PM



#46
 Dibromomethane
 Concen: 48.745 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion: 93 Resp: 132937
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.7 98.5
 174 101.3 81.5 122.3





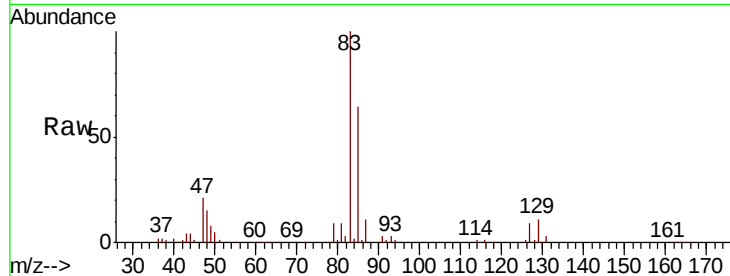
#47
Bromodichloromethane
Concen: 48.276 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

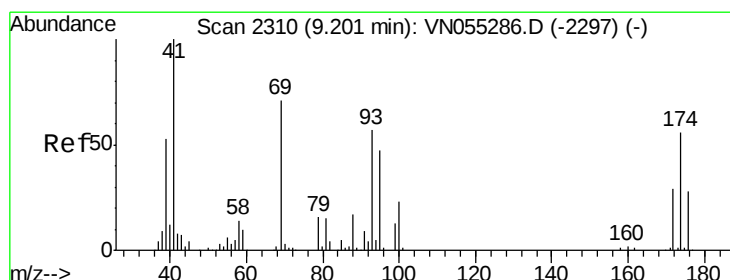
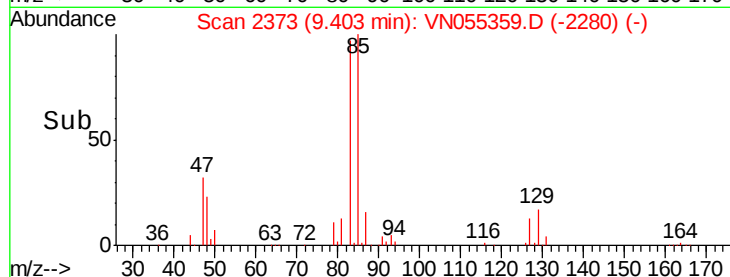
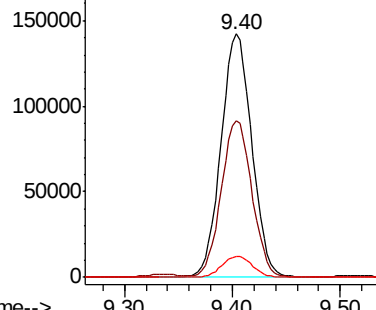
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	282441		
85	64.3	50.1	75.1	
127	8.6	6.7	10.1	

Manual Integrations
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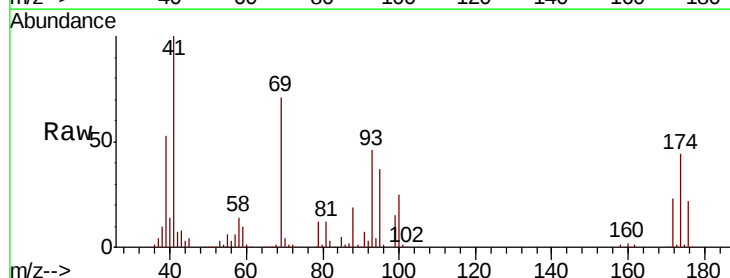


Abundance Ion 82.90 (82.60 to 83.60): VN055286.D (-2355) (-)

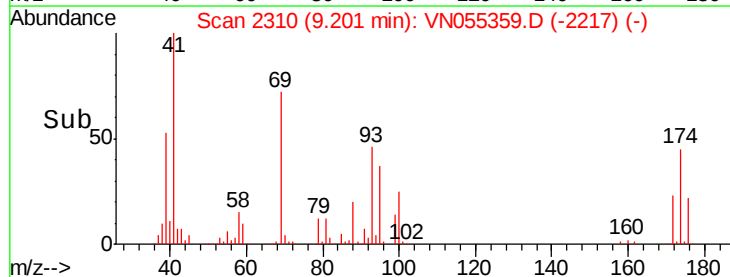
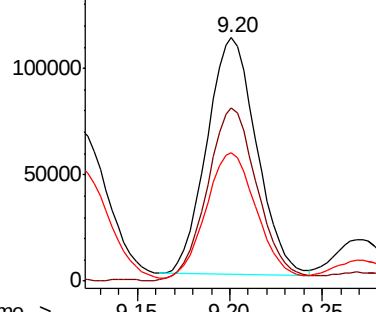


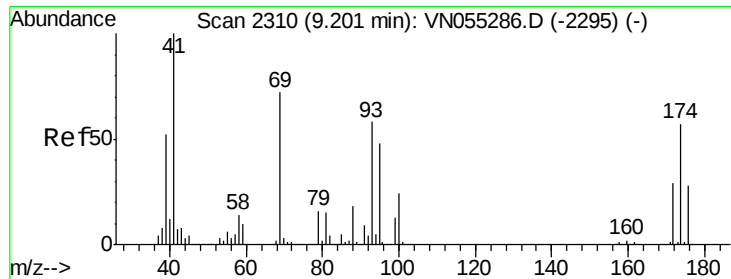
#48
Methyl methacrylate
Concen: 58.333 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	207264		
69	73.6	58.6	87.8	
39	53.8	43.8	65.6	



Abundance Ion 41.00 (40.70 to 41.70): VN055286.D (-2297) (-)





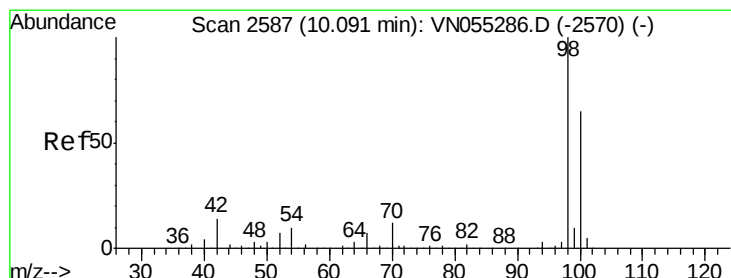
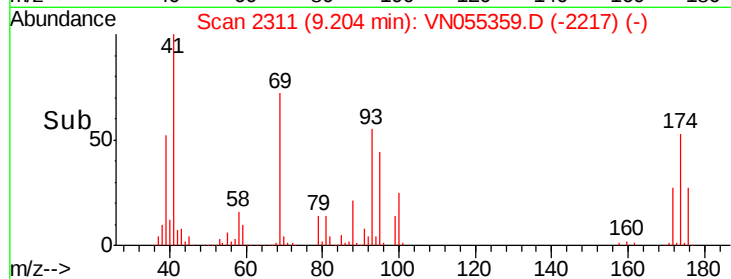
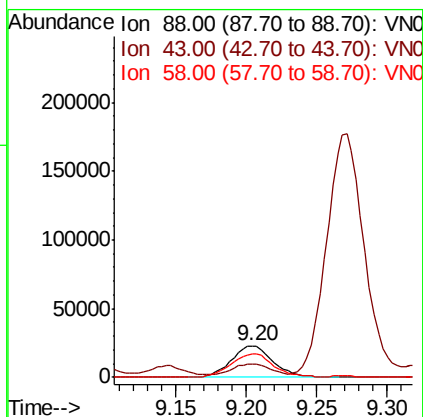
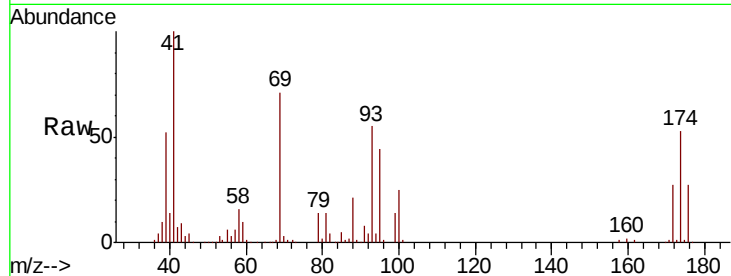
#49
1,4-Dioxane
Concen: 1285.495 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion: 88 Resp: 47216
Ion Ratio Lower Upper
88 100
43 34.2 33.3 49.9
58 75.8 62.7 94.1

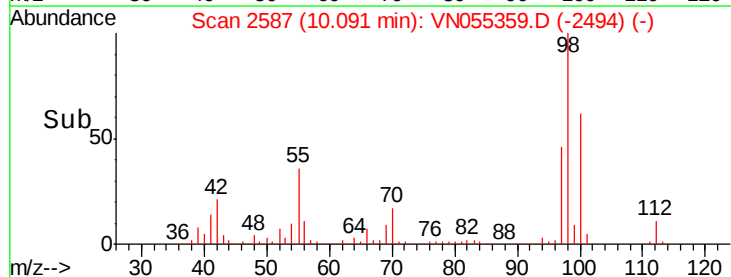
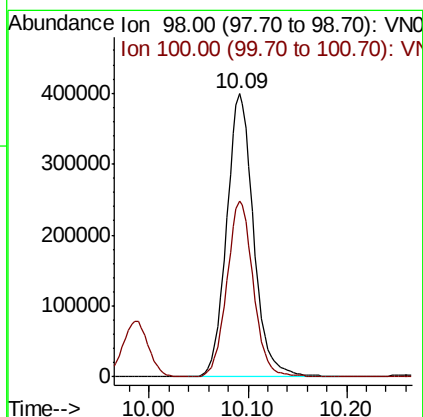
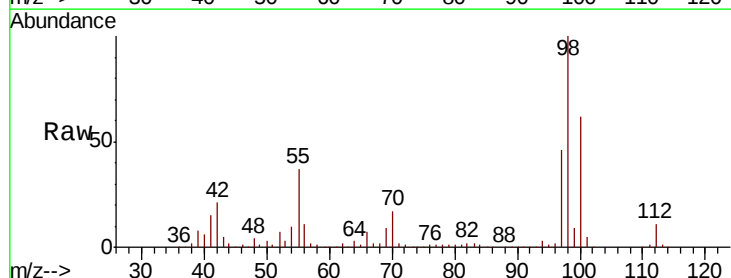
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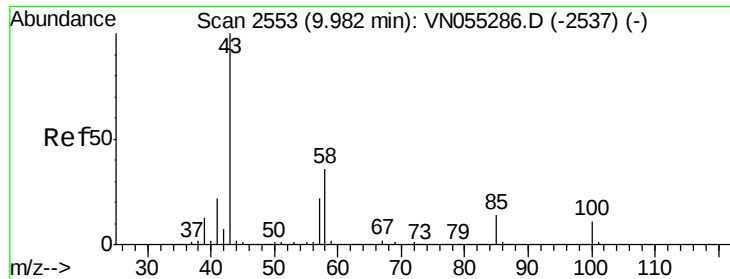
MMDadoda
5/3/2019 1:10:27 PM



#50
Toluene-d8
Concen: 52.396 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion: 98 Resp: 760784
Ion Ratio Lower Upper
98 100
100 61.4 51.7 77.5





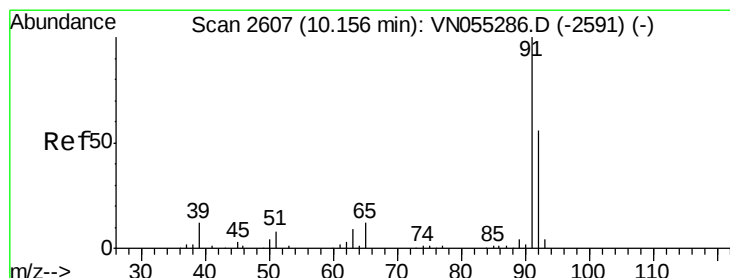
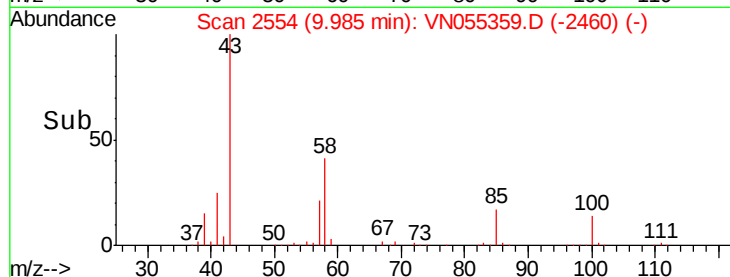
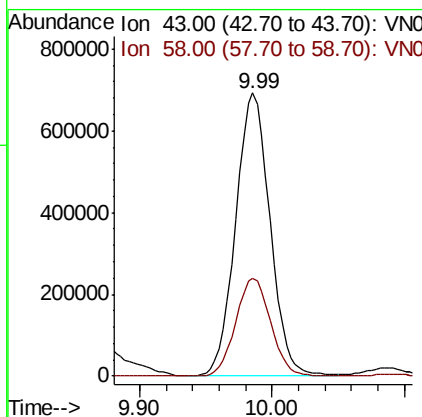
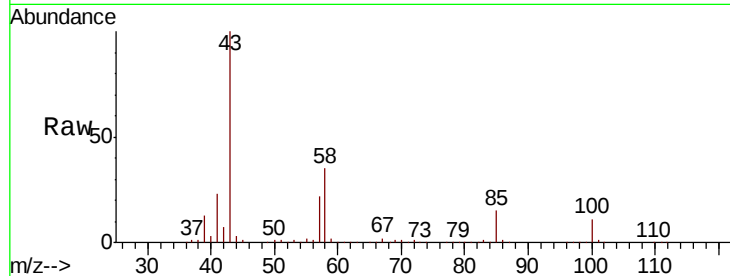
#51
4-Methyl-2-Pentanone
Concen: 305.321 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion: 43 Resp: 1242434
Ion Ratio Lower Upper
43 100
58 35.4 28.5 42.7

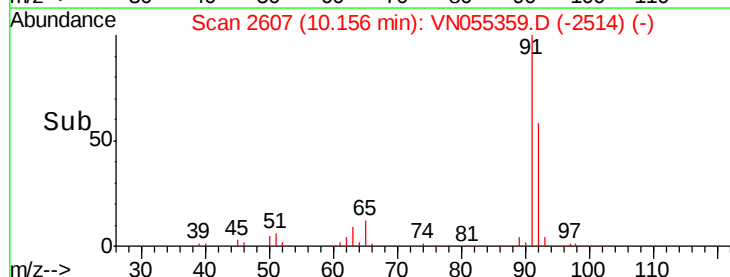
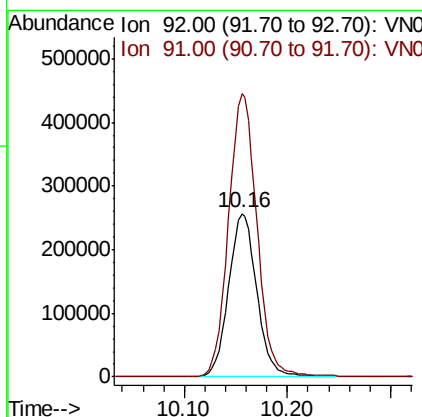
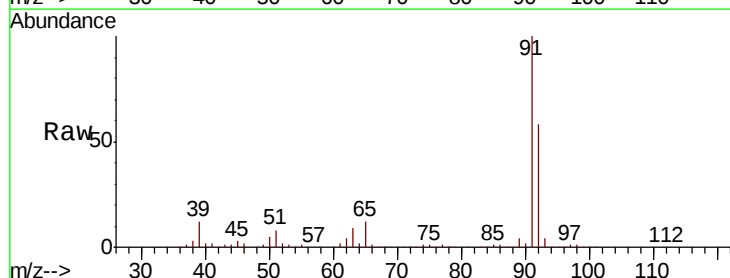
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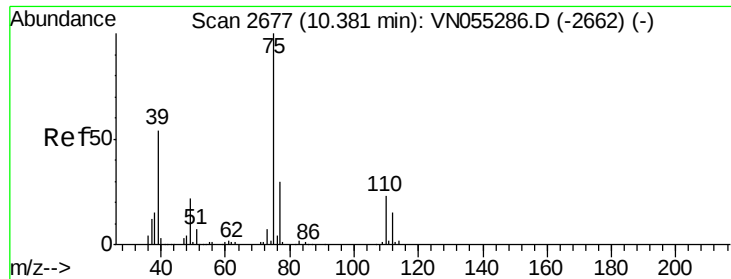
MMDadoda
5/3/2019 1:10:27 PM



#52
Toluene
Concen: 49.208 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion: 92 Resp: 488417
Ion Ratio Lower Upper
92 100
91 175.4 140.1 210.1





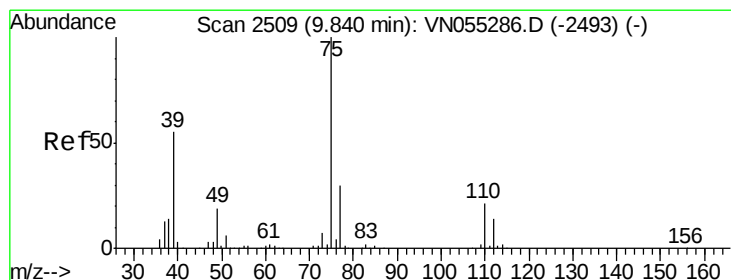
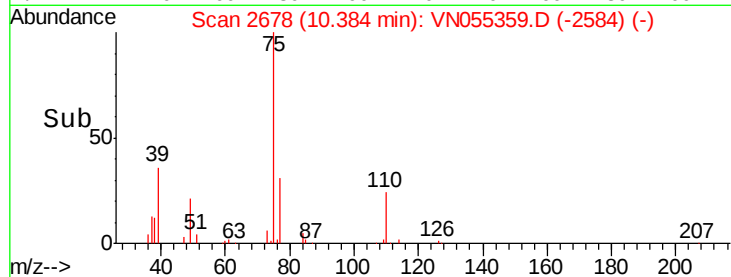
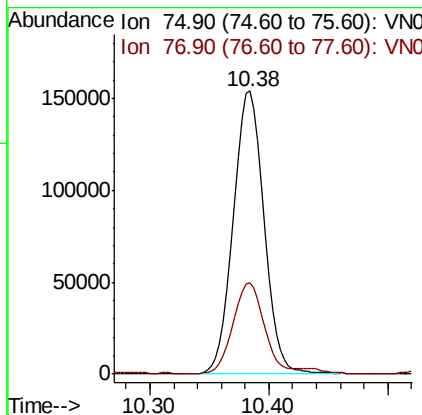
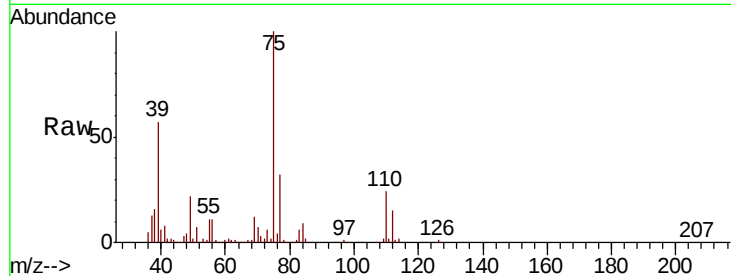
#53
t-1,3-Dichloropropene
Concen: 54.482 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion: 75 Resp: 276708
Ion Ratio Lower Upper
75 100
77 32.1 24.4 36.6

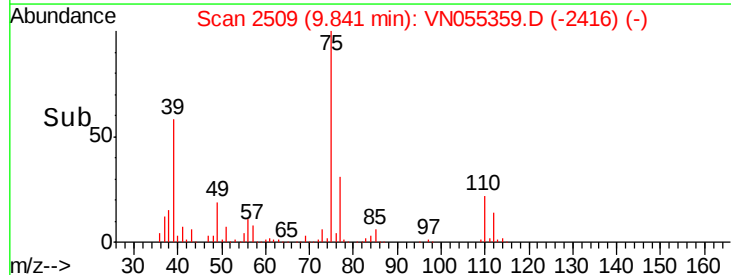
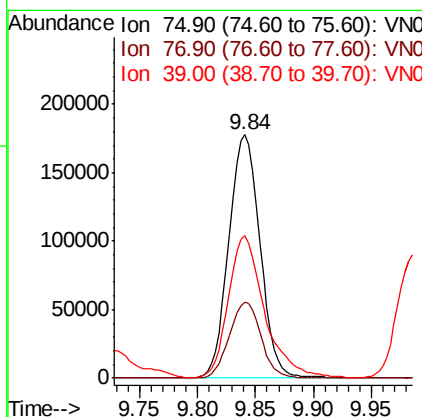
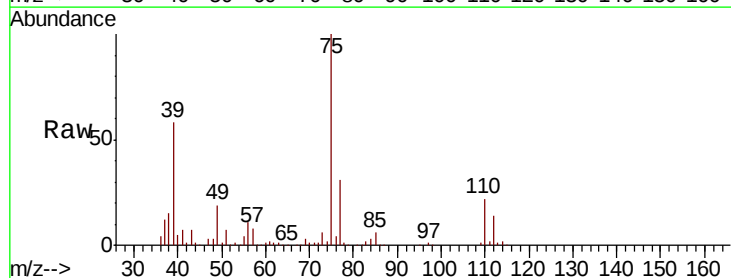
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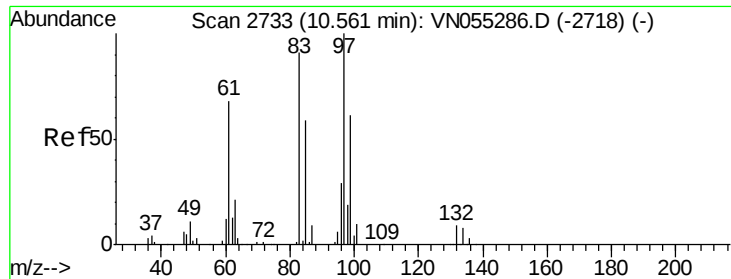
MMDadoda
5/3/2019 1:10:27 PM



#54
cis-1,3-Dichloropropene
Concen: 52.381 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion: 75 Resp: 331697
Ion Ratio Lower Upper
75 100
77 31.0 24.2 36.2
39 57.9 44.2 66.2





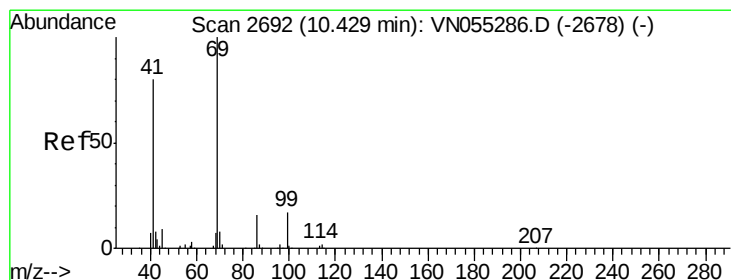
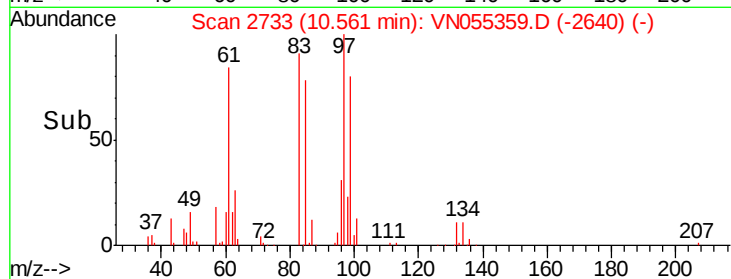
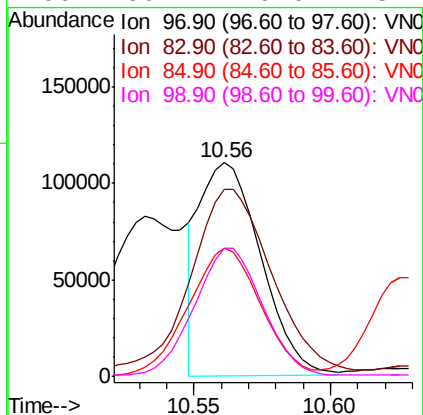
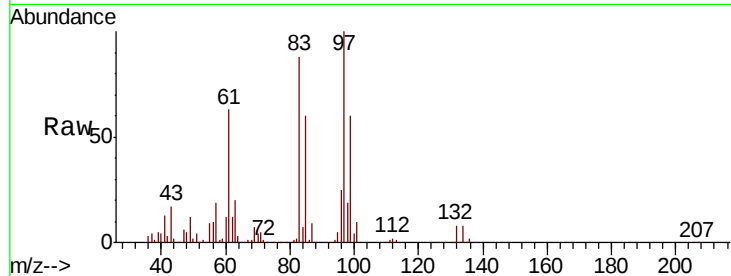
#55
 1,1,2-Trichloroethane
 Concen: 46.715 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion:	97	Resp:	172180
Ion	Ratio	Lower	Upper
97	100		
83	84.6	72.8	109.2
85	55.9	47.0	70.6
99	60.4	49.0	73.4

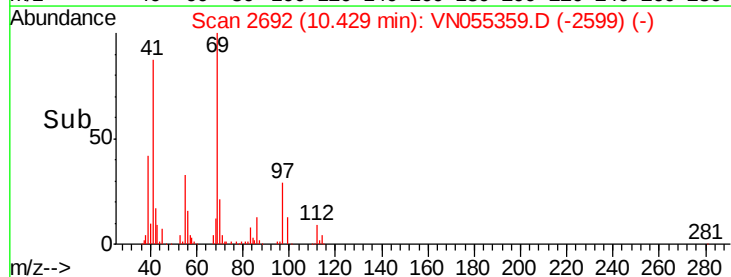
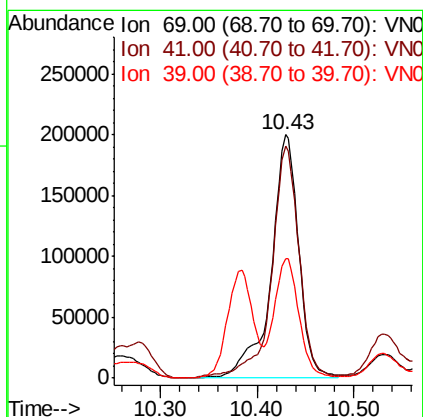
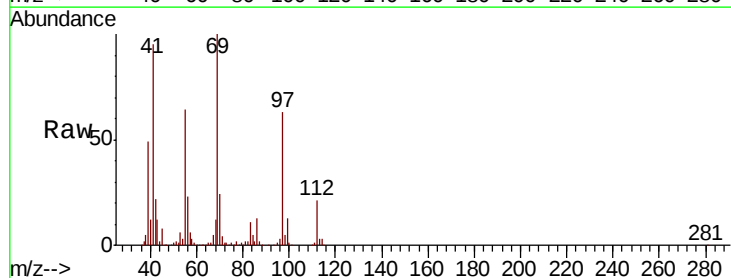
Manual Integrations
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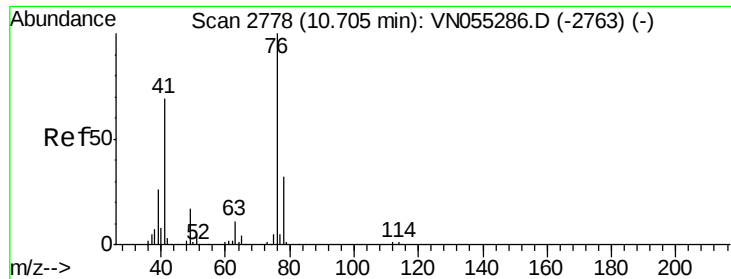
MMDadoda
 5/3/2019 1:10:27 PM



#56
 Ethyl methacrylate
 Concen: 88.141 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion:	69	Resp:	399860
Ion	Ratio	Lower	Upper
69	100		
41	94.1	62.7	94.1
39	42.8	32.0	48.0





#57

1,3-Dichloropropane

Concen: 51.700 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion: 76 Resp: 334282

Ion Ratio Lower Upper

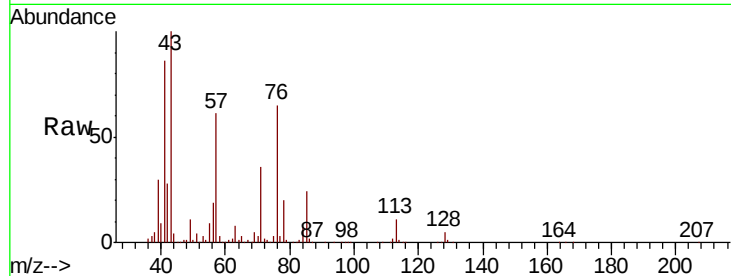
76 100

78 31.9 25.6 38.4

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

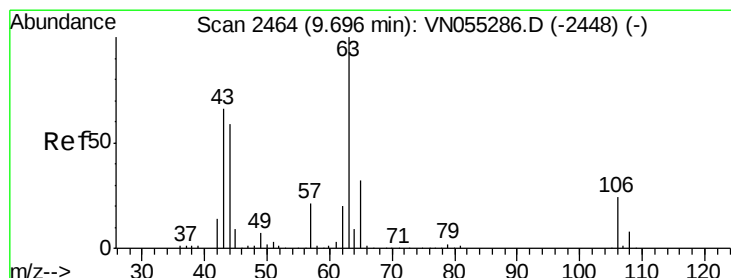
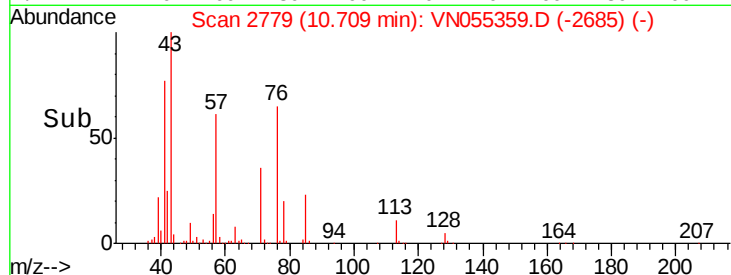
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 305.683 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055359.D

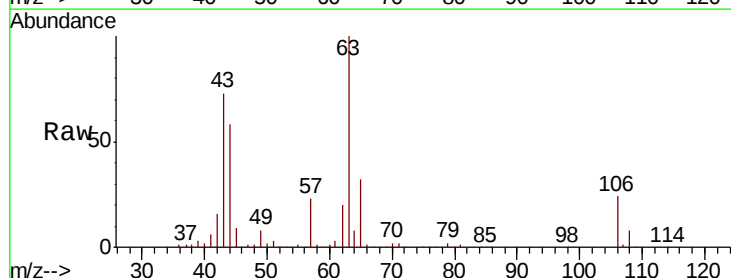
Acq: 2 May 2019 19:15

Tgt Ion: 63 Resp: 434474

Ion Ratio Lower Upper

63 100

106 23.8 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

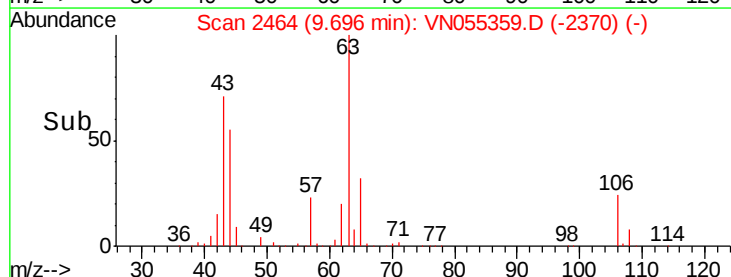
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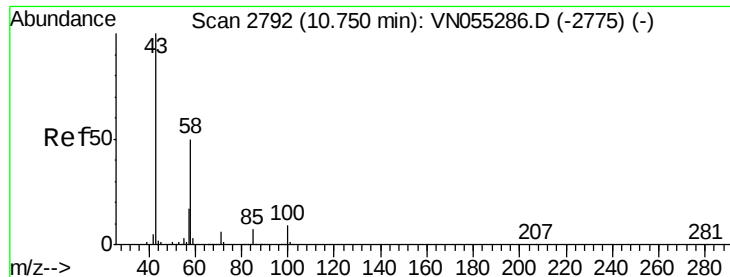
100000

50000

0

Time-->





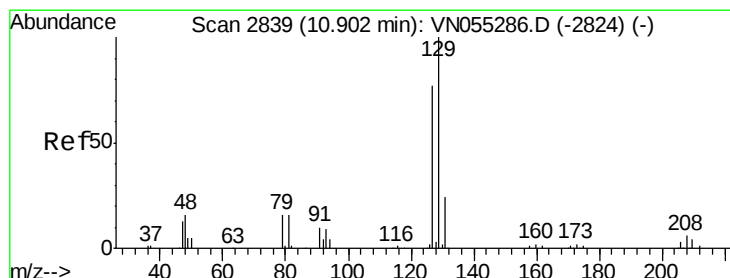
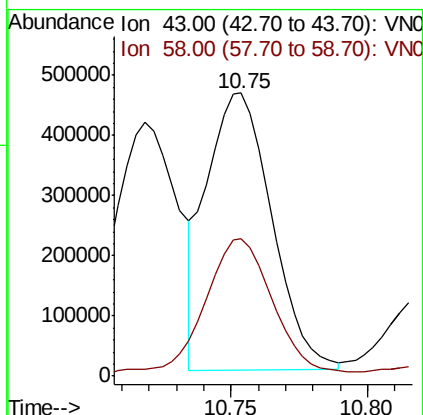
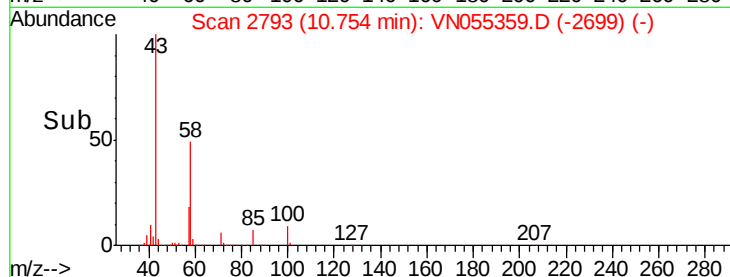
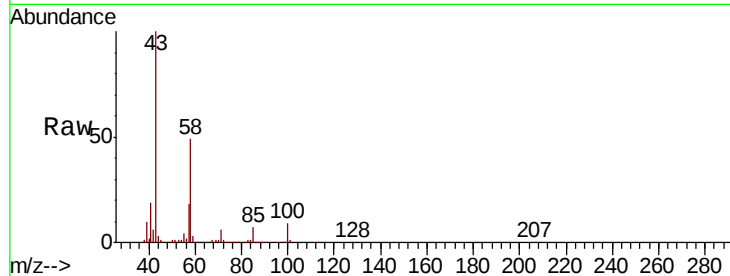
#59
2-Hexanone
Concen: 300.590 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion: 43 Resp: 765327
Ion Ratio Lower Upper
43 100
58 53.6 24.9 74.6

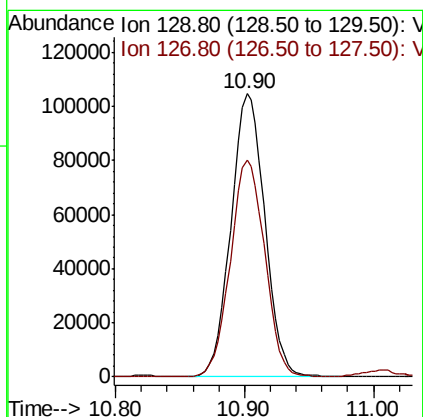
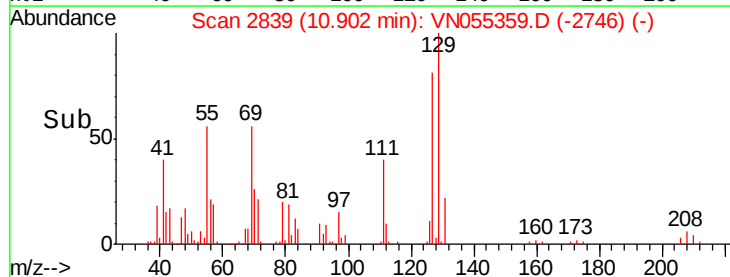
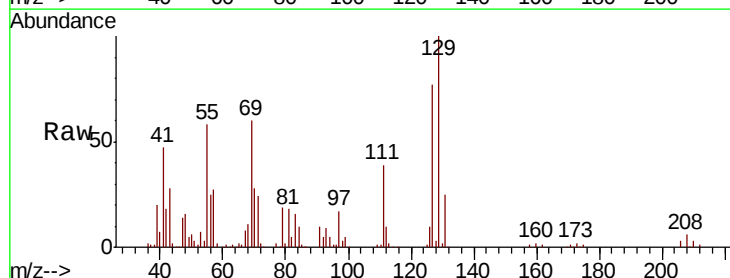
Manual Integrations
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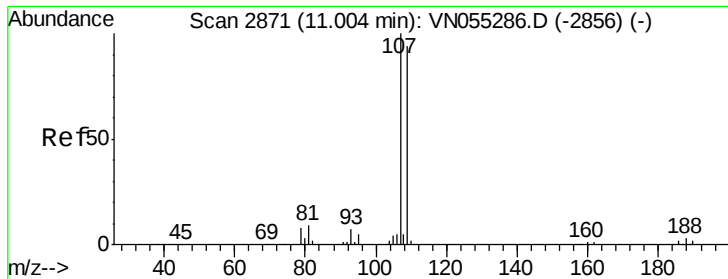
MMDadoda
5/3/2019 1:10:27 PM



#60
Dibromochloromethane
Concen: 50.709 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion: 129 Resp: 191020
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 53.794 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion: 107 Resp: 183263

Ion Ratio Lower Upper

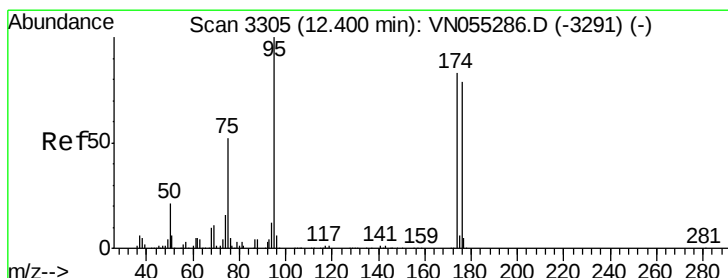
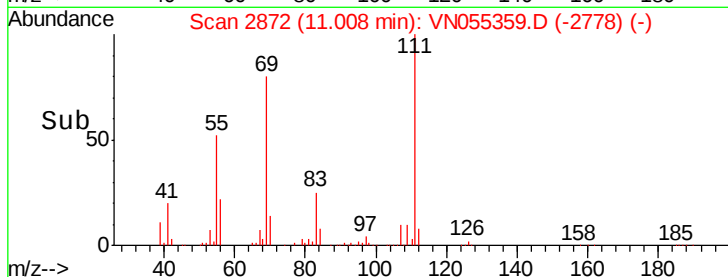
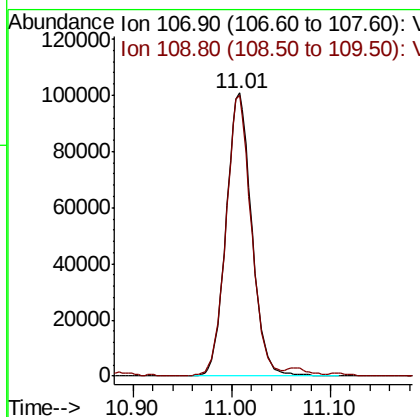
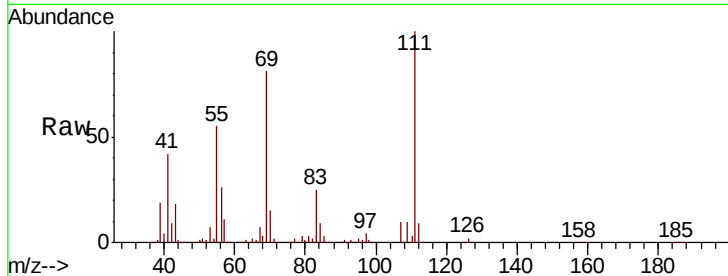
107 100

109 98.0 75.0 112.6

Manual Integrations
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5/3/2019 1:10:27 PM



#62

4-Bromofluorobenzene

Concen: 98.994 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

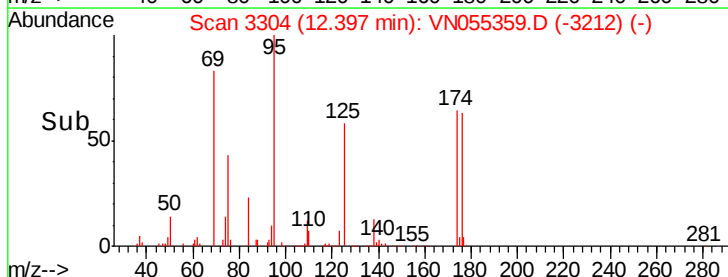
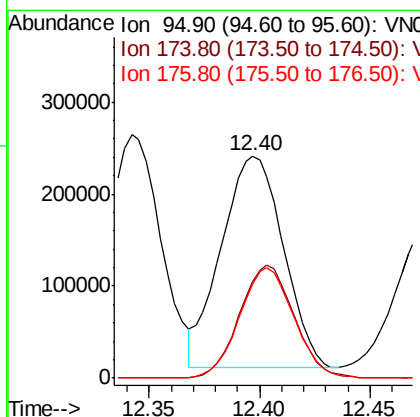
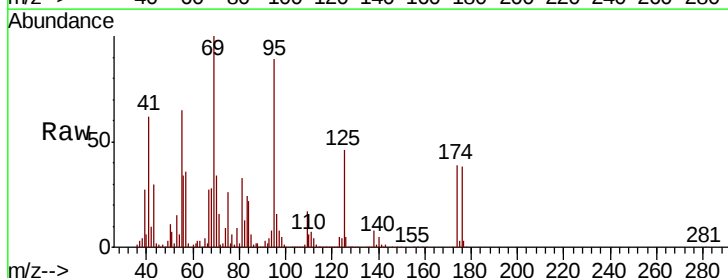
Tgt Ion: 95 Resp: 449237

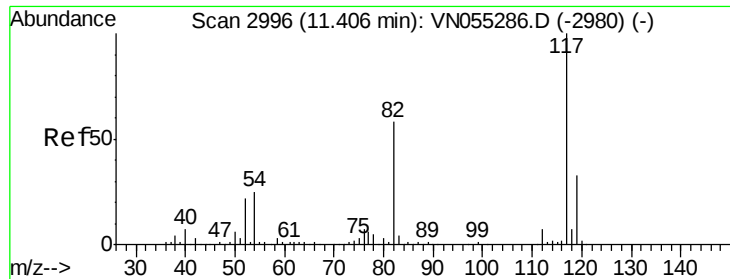
Ion Ratio Lower Upper

95 100

174 46.9 0.0 166.6

176 45.8 0.0 157.8





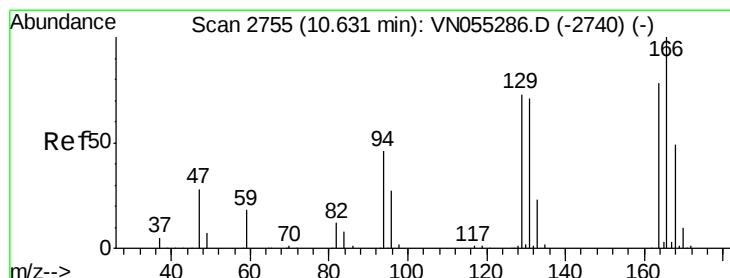
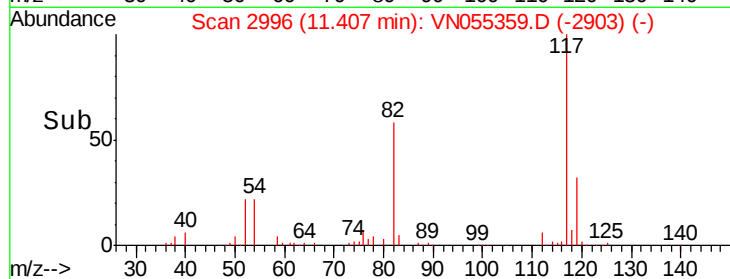
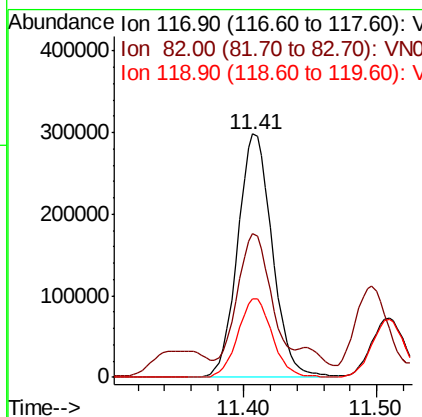
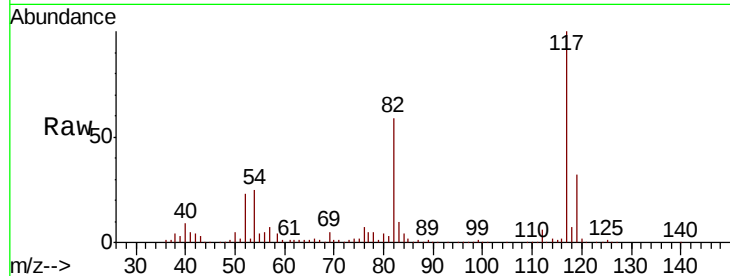
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	541183		
82	54.0	46.2	69.4	
119	32.4	26.6	40.0	

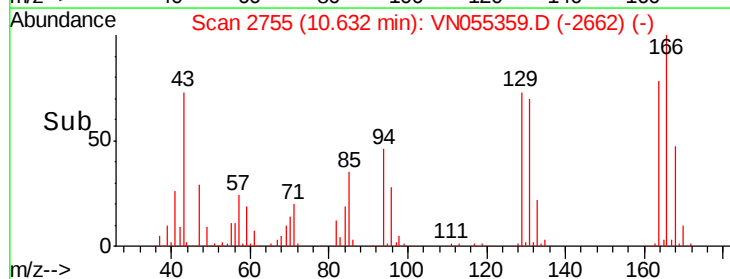
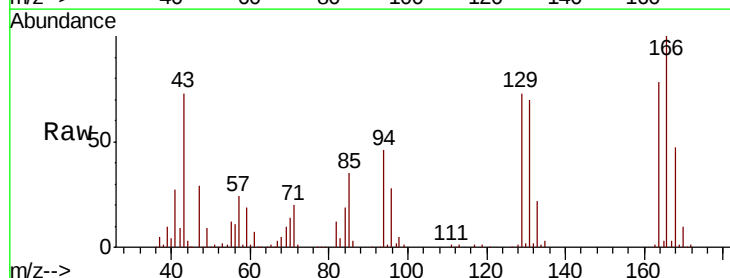
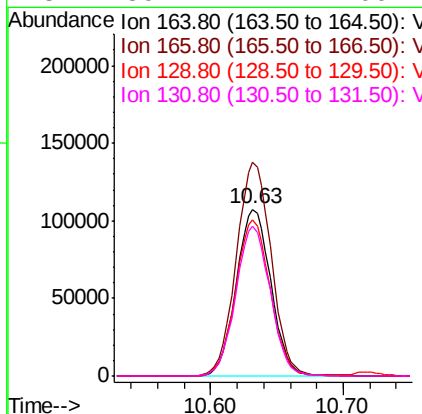
Manual Integrations
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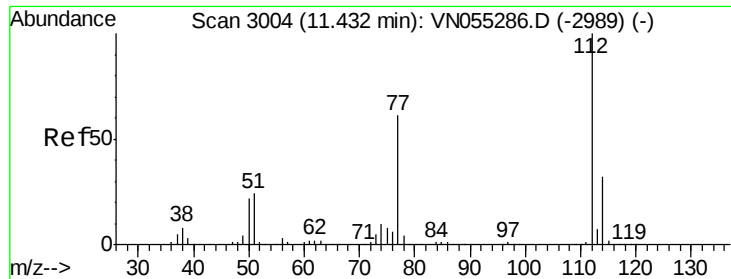
MMDadoda
5/3/2019 1:10:27 PM



#64
Tetrachloroethene
Concen: 44.024 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194835		
166	128.3	102.3	153.5	
129	93.9	75.0	112.6	
131	89.7	72.7	109.1	





#65

Chlorobenzene

Concen: 48.268 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion:112 Resp: 510722

Ion Ratio Lower Upper

112 100

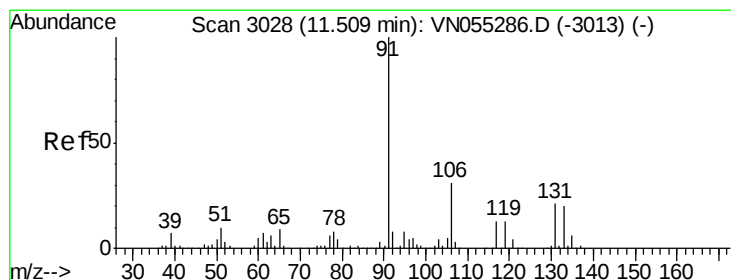
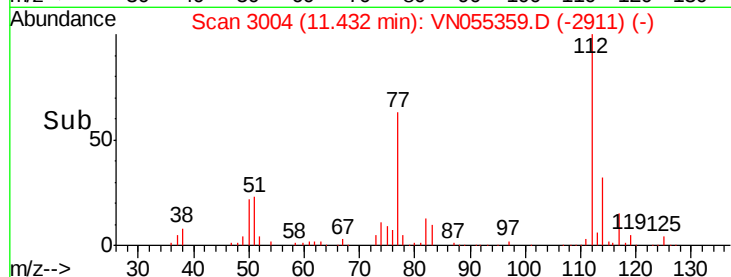
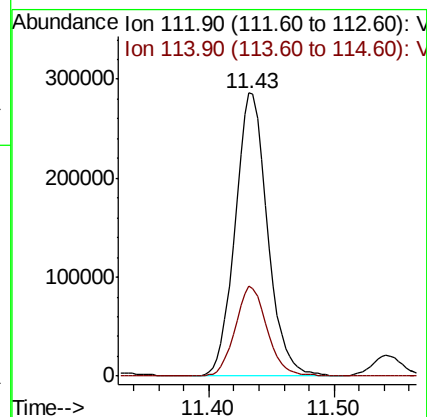
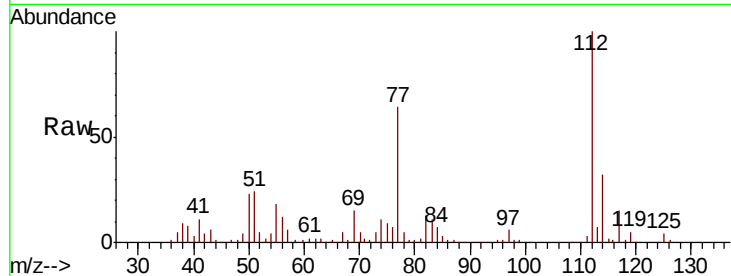
114 31.7 25.3 37.9

Manual Integrations

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5/3/2019 1:10:27 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 44.843 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

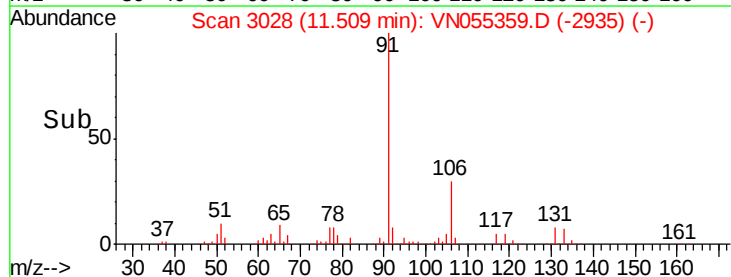
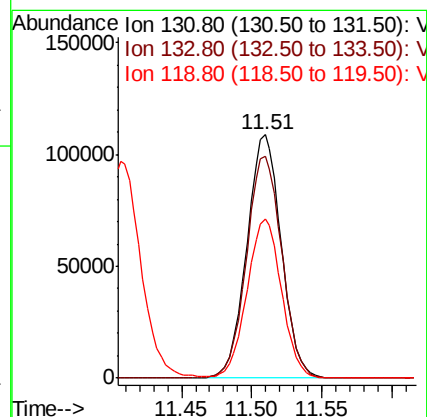
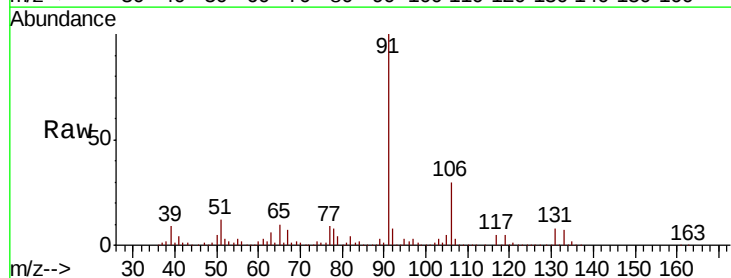
Tgt Ion:131 Resp: 185791

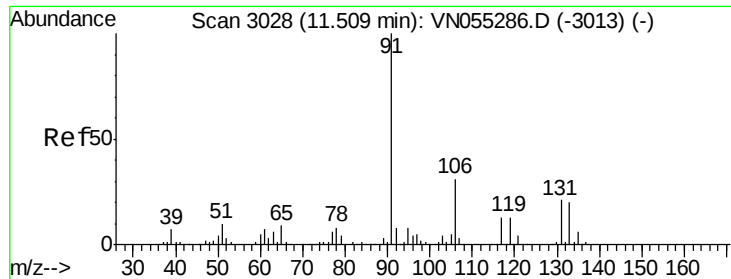
Ion Ratio Lower Upper

131 100

133 93.9 47.5 142.6

119 65.7 32.7 98.1





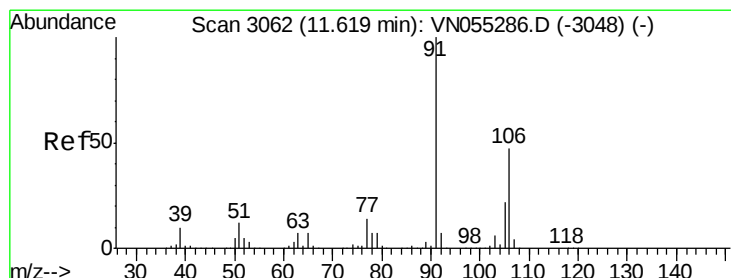
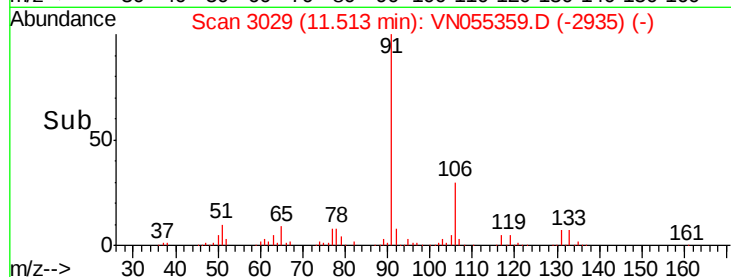
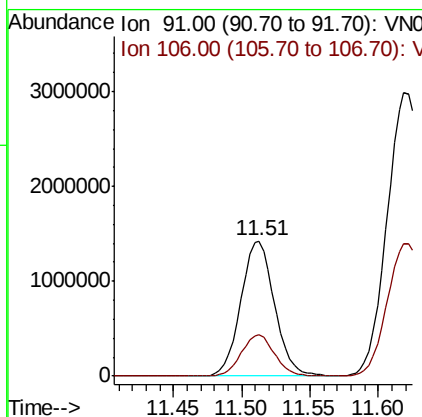
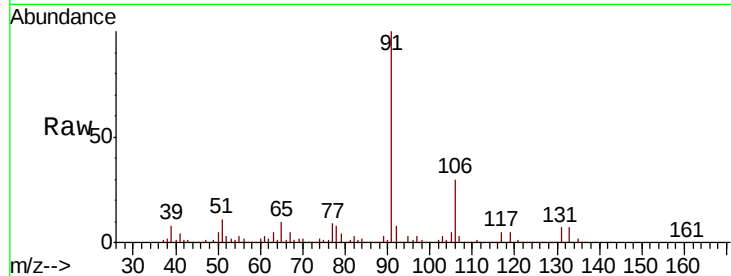
#67
Ethyl Benzene
Concen: 128.037 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion: 91 Resp: 2446374
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8

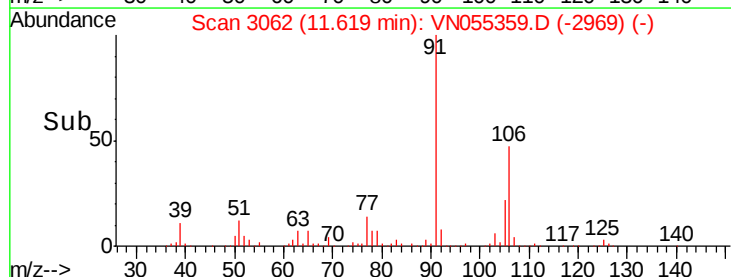
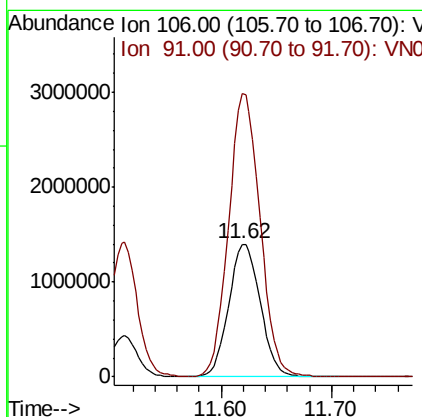
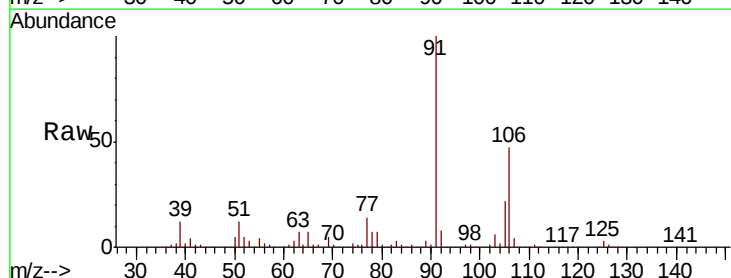
Manual Integrations
APPROVED

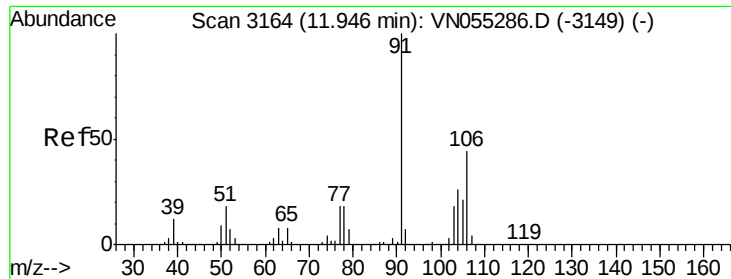
MMDadoda
5/3/2019 1:10:27 PM



#68
m/p-Xylenes
Concen: 406.725 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion: 106 Resp: 2773897
Ion Ratio Lower Upper
106 100
91 213.4 169.5 254.3





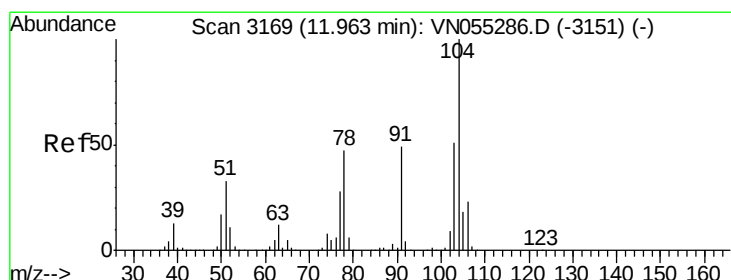
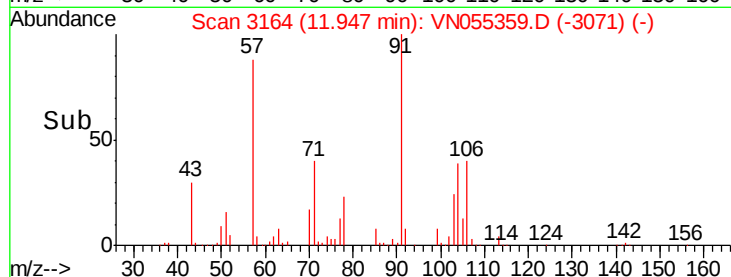
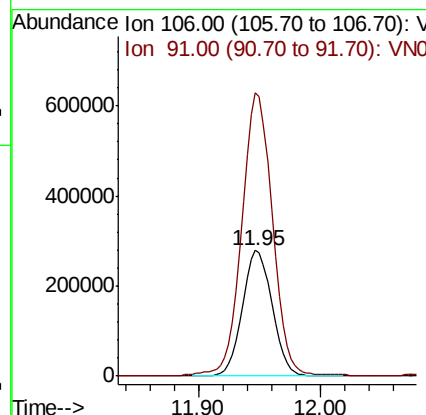
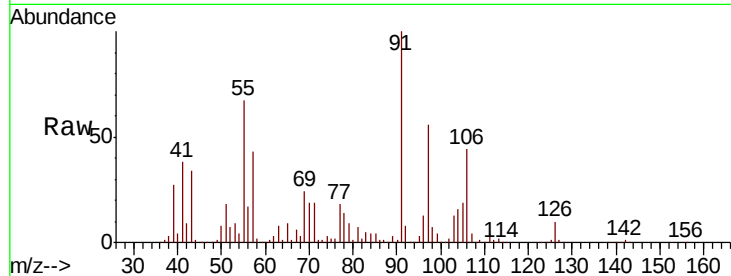
#69
o-Xylene
Concen: 69.345 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion:106 Resp: 468762
Ion Ratio Lower Upper
106 100
91 232.6 111.5 334.5

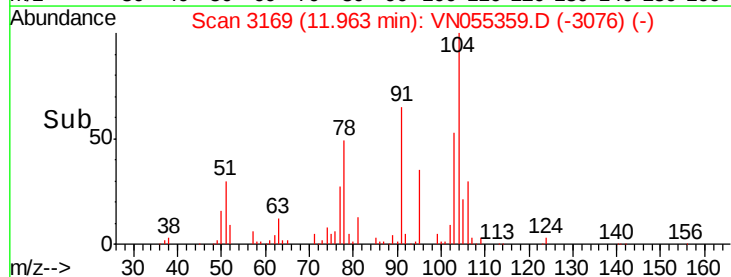
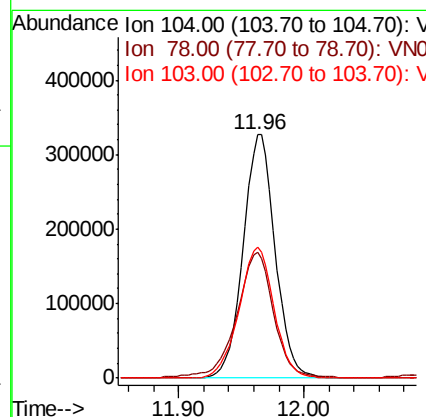
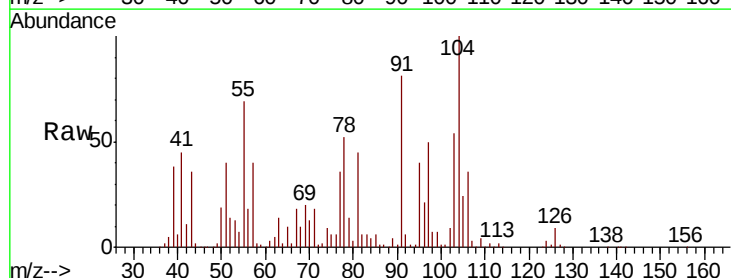
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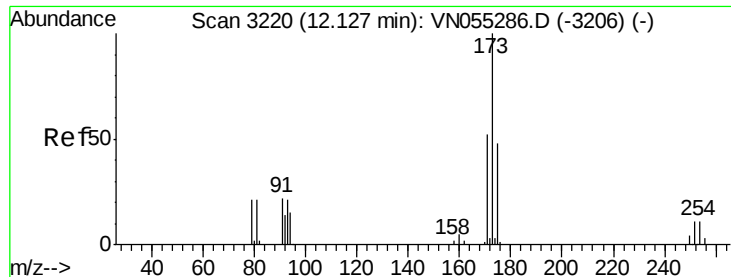
MMDadoda
5/3/2019 1:10:27 PM



#70
Styrene
Concen: 55.633 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion:104 Resp: 577419
Ion Ratio Lower Upper
104 100
78 60.0 42.2 63.2
103 58.5 44.6 67.0





#71

Bromoform

Concen: 50.836 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

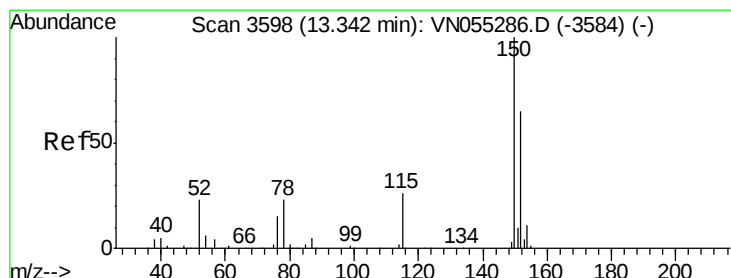
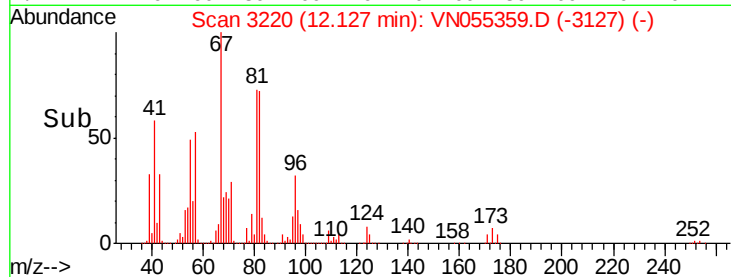
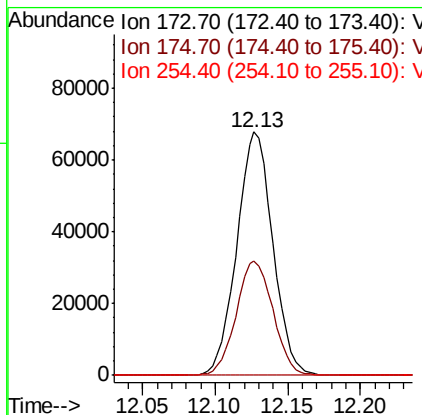
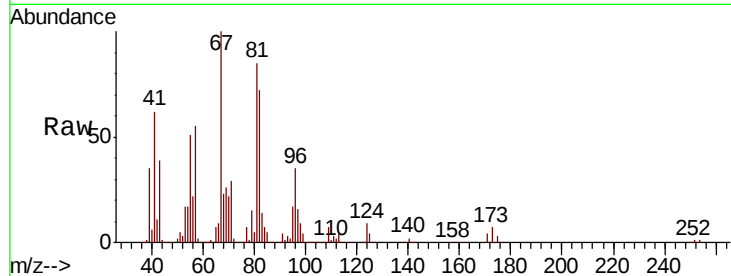
ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion:	173	Resp:	116870
Ion Ratio	Lower	Upper	
173	100		
175	48.0	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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5/3/2019 1:10:27 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

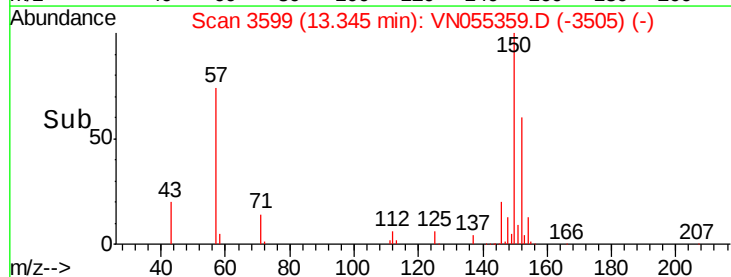
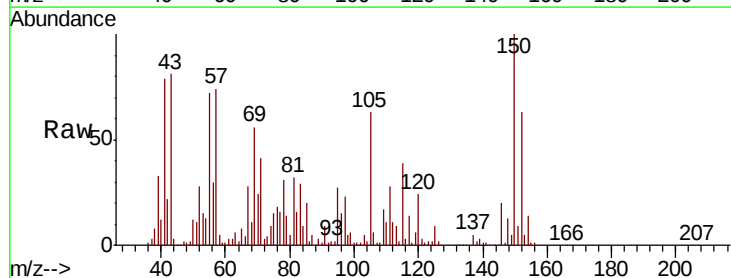
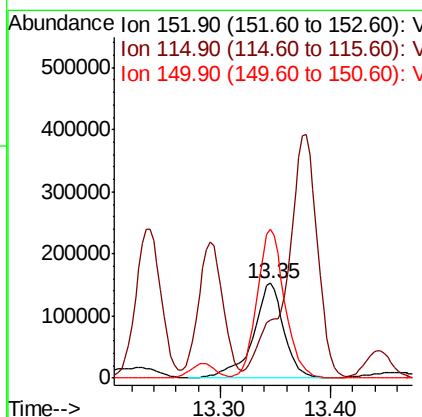
RT: 13.35 min Scan# 3599

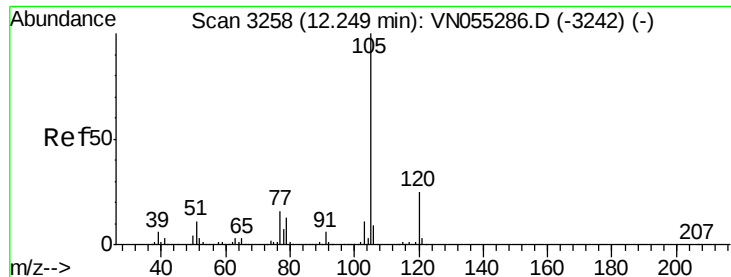
Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Tgt Ion:	152	Resp:	288578
Ion Ratio	Lower	Upper	
152	100		
115	0.0	29.0	87.0#
150	143.6	0.0	345.6





#73

Isopropylbenzene

Concen: 157.336 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion:105 Resp: 3456892

Ion Ratio Lower Upper

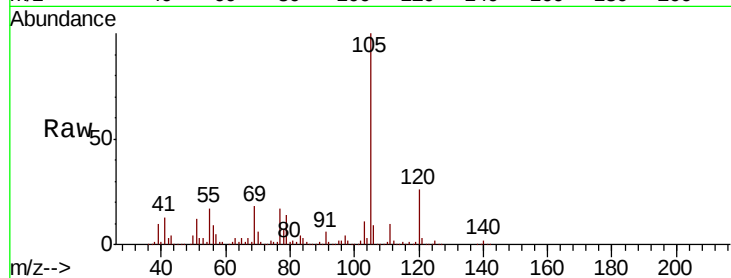
105 100

120 25.7 12.9 38.7

Manual Integrations
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5/3/2019 1:10:27 PM



Abundance Ion 105.00 (104.70 to 105.70): V

2500000 Ion 120.00 (119.70 to 120.70): V

2000000

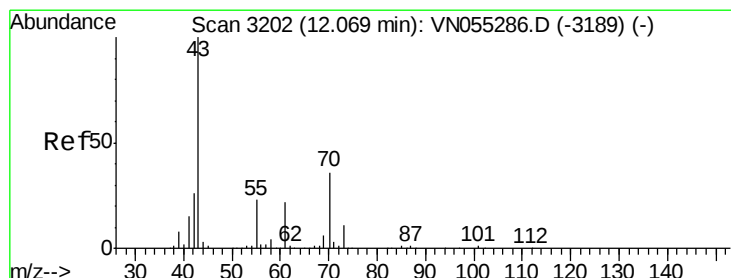
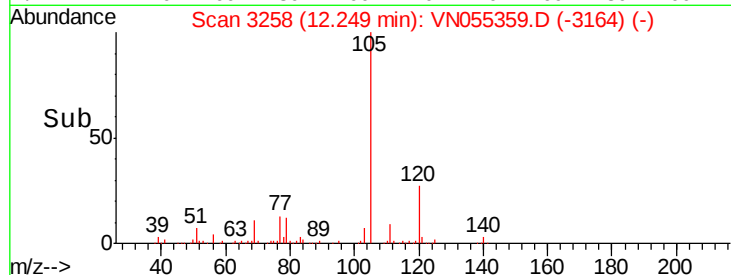
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 226.885 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Tgt Ion: 43 Resp: 1680317

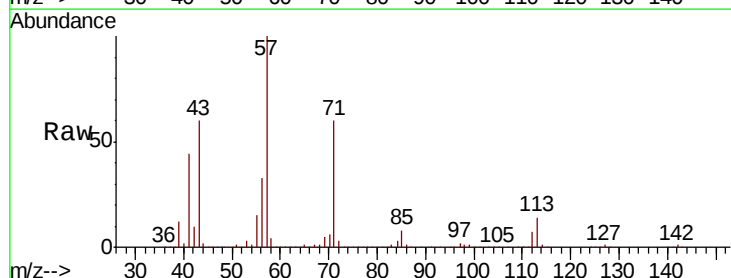
Ion Ratio Lower Upper

43 100

70 2.6 27.9 41.9#

55 0.0 18.2 27.2#

61 0.0 16.9 25.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

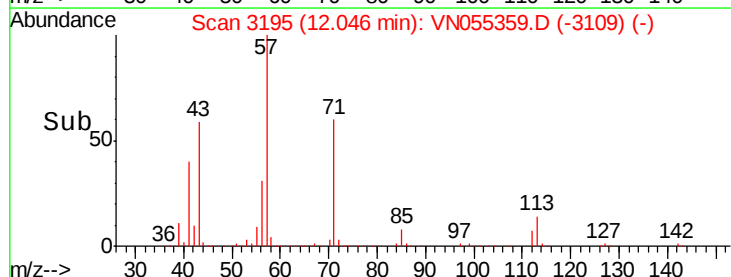
1500000 Ion 70.00 (69.70 to 70.70): VN0

1000000 Ion 55.00 (54.70 to 55.70): VN0

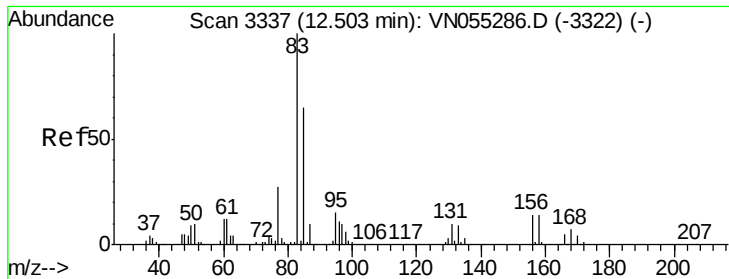
500000 Ion 61.00 (60.70 to 61.70): VN0

0

Time-->



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 21.329 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion: 83 Resp: 132382
Ion Ratio Lower Upper

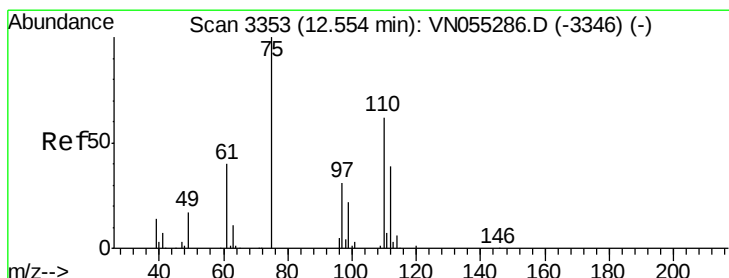
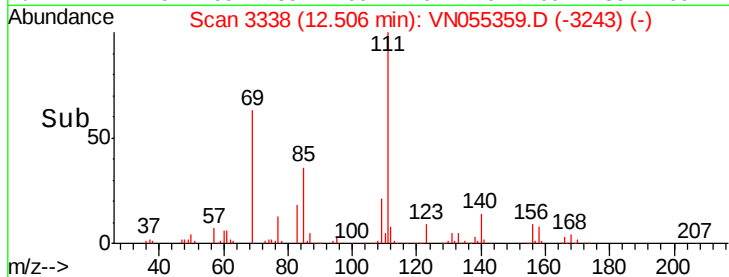
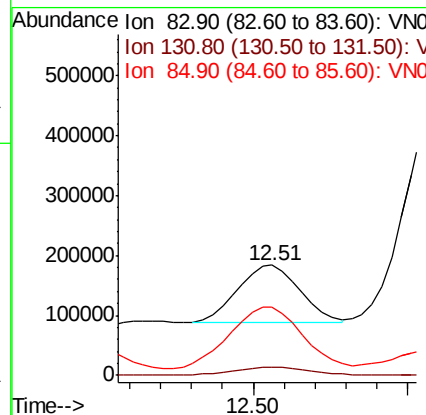
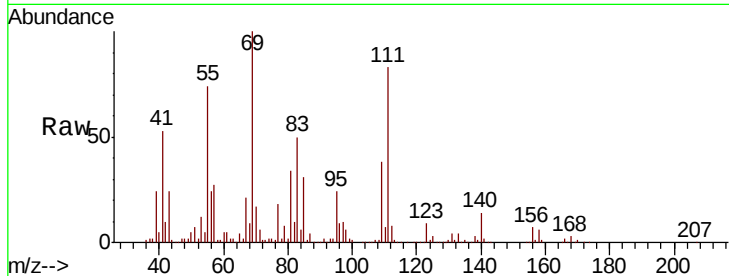
83 100

131 17.8 5.1 15.2#

85 127.2 32.3 96.8#

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#76

1,2,3-Trichloropropane

Concen: 39.369 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

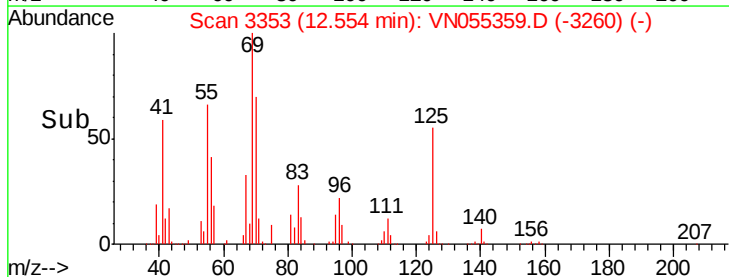
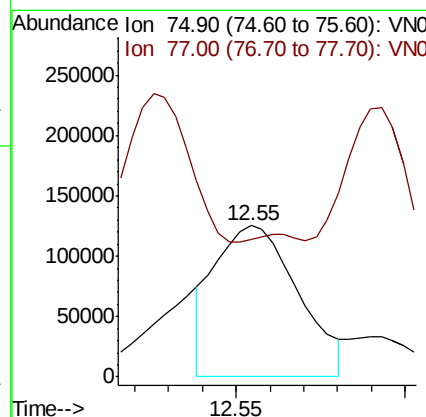
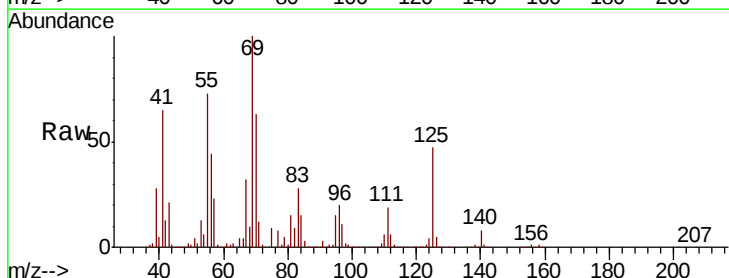
Lab File: VN055359.D

Acq: 2 May 2019 19:15

Tgt Ion: 75 Resp: 214043
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 39.659 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

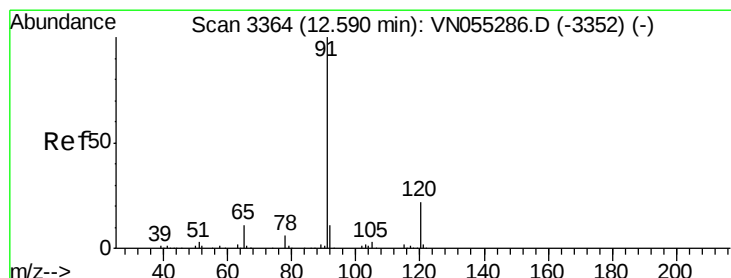
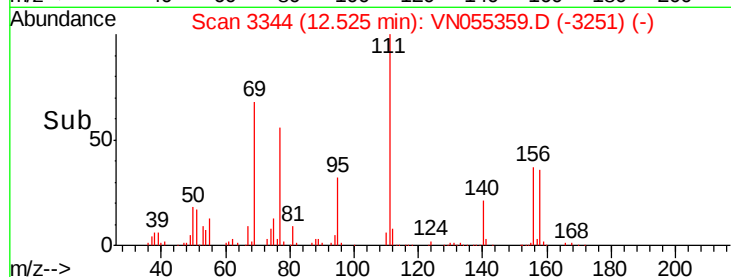
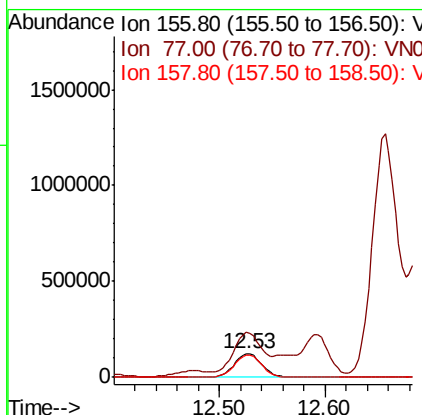
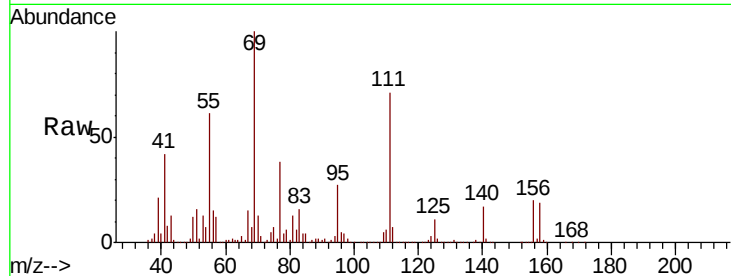
ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion:	156	Resp:	220831
Ion Ratio	Lower	Upper	
156	100		
77	174.1	99.6	298.8
158	95.6	49.3	147.8

Manual Integrations
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5/3/2019 1:10:27 PM



#78

n-propylbenzene

Concen: 287.749 ug/l

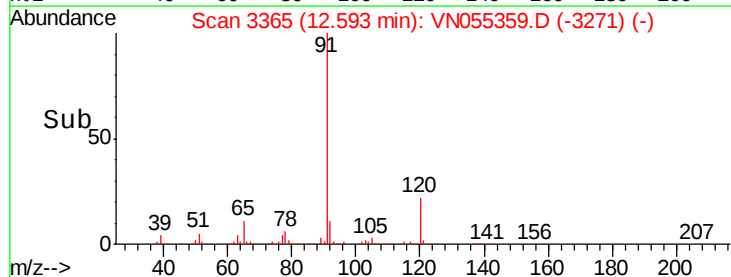
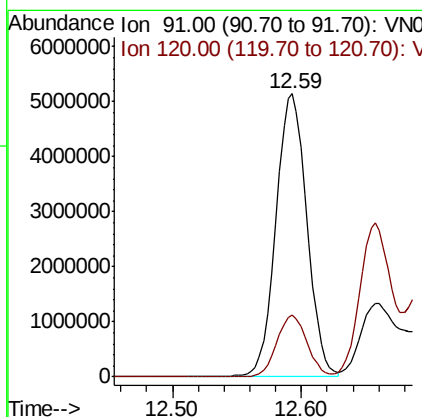
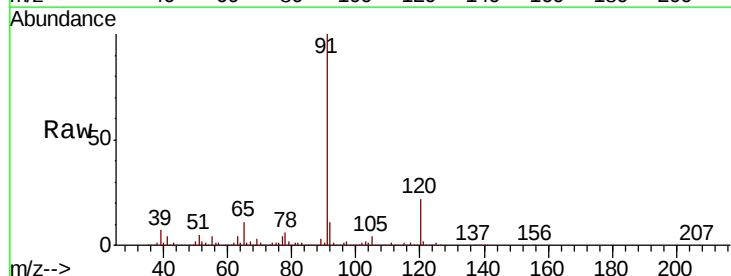
RT: 12.59 min Scan# 3365

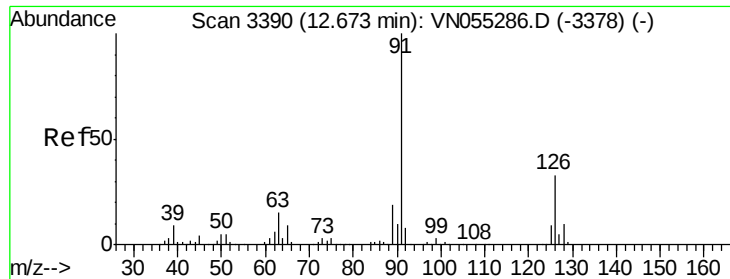
Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Tgt Ion:	91	Resp:	8529720
Ion Ratio	Lower	Upper	
91	100		
120	21.4	11.0	33.0





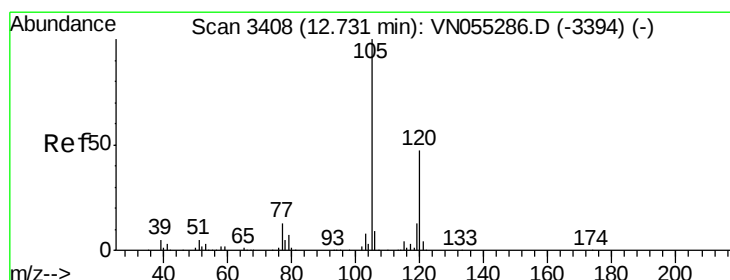
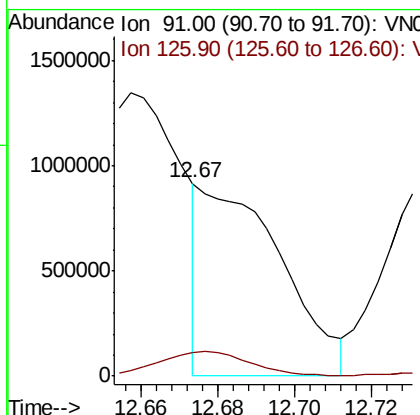
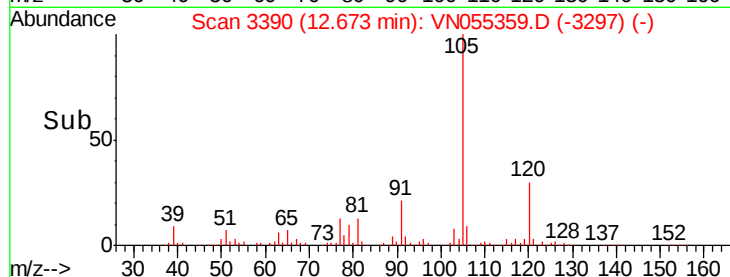
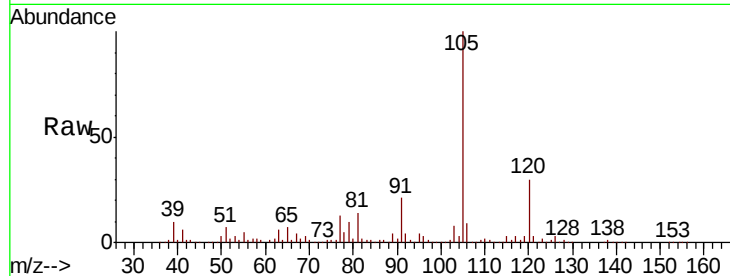
#79
 2-Chlorotoluene
 Concen: 86.259 ug/l m
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion: 91 Resp: 1318859
 Ion Ratio Lower Upper
 91 100
 126 17.3 16.6 49.7

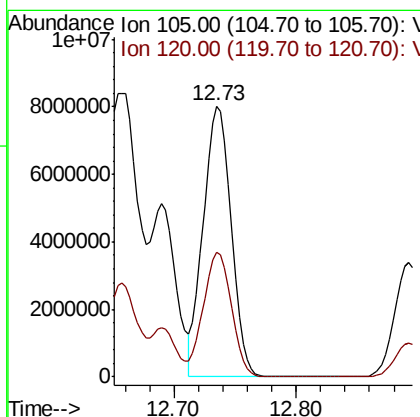
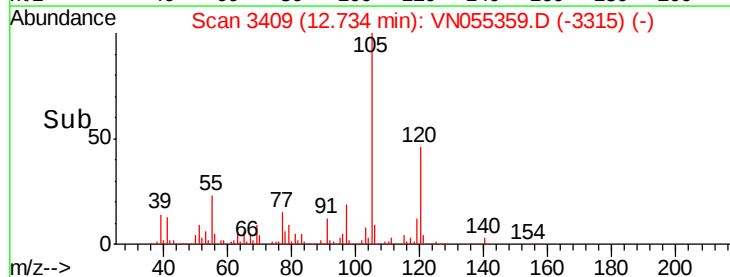
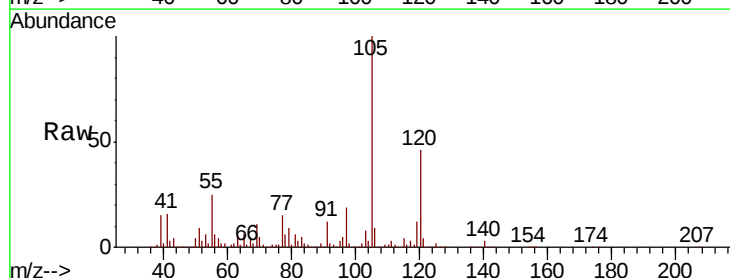
Manual Integrations
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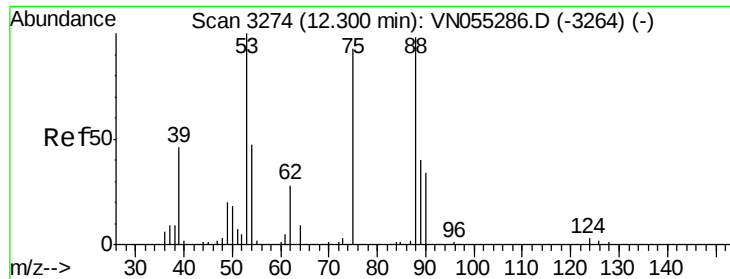
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 564.492 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion: 105 Resp: 12770834
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 37.921 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion: 75 Resp: 57745

Ion Ratio Lower Upper

75 100

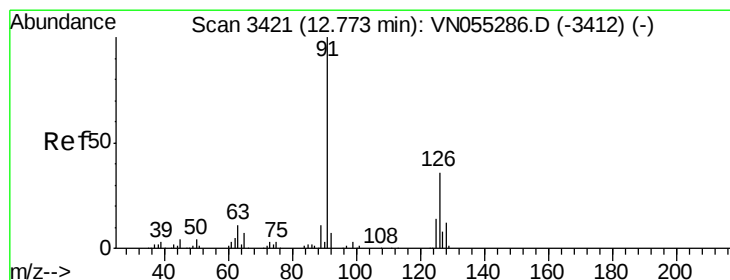
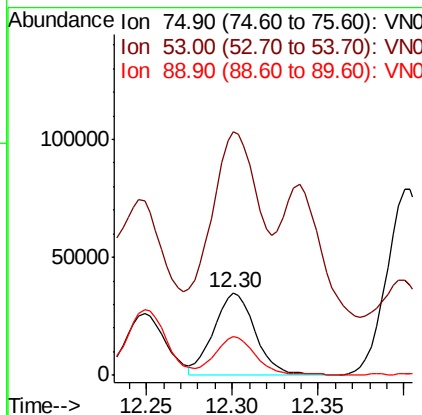
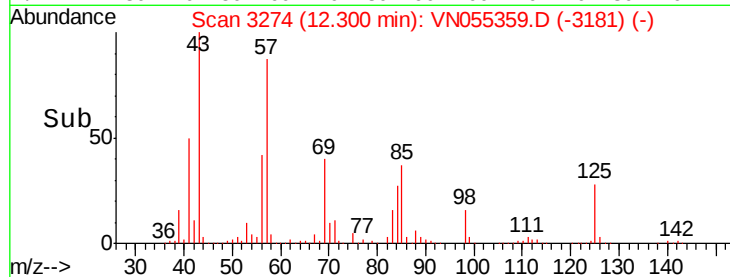
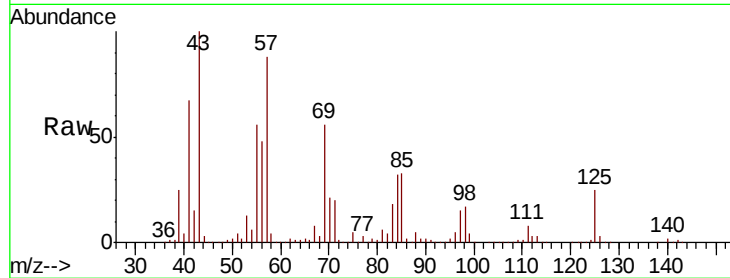
53 204.5 86.3 129.5#

89 42.3 34.6 51.8

Manual Integrations
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5/3/2019 1:10:27 PM



#82

4-Chlorotoluene

Concen: 33.372 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN055359.D

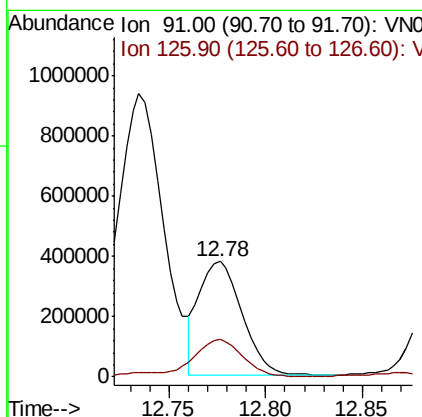
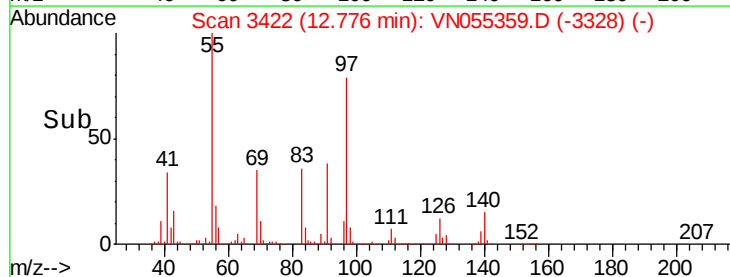
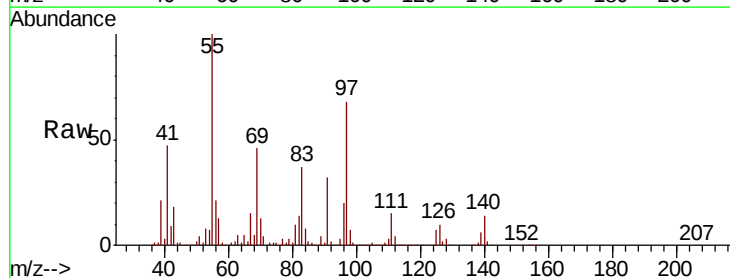
Acq: 2 May 2019 19:15

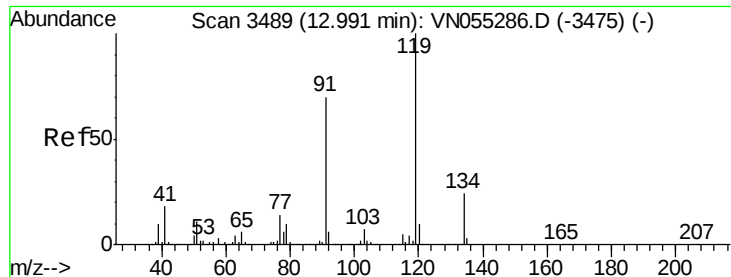
Tgt Ion: 91 Resp: 575178

Ion Ratio Lower Upper

91 100

126 40.6 16.6 49.7





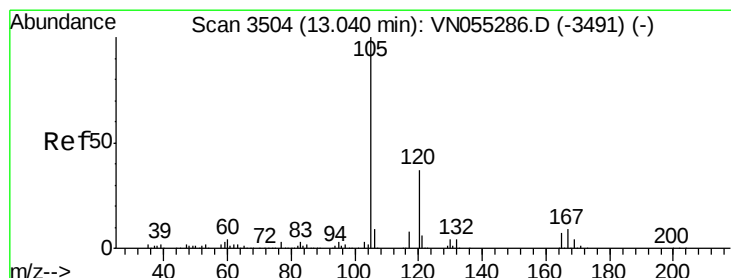
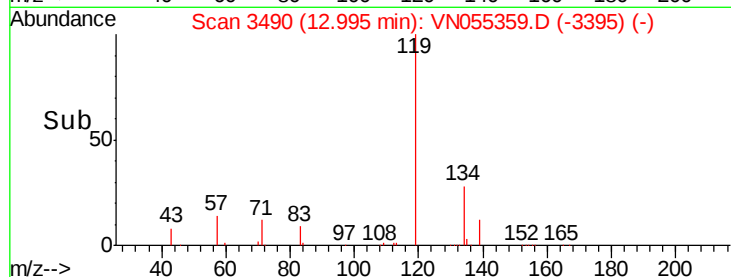
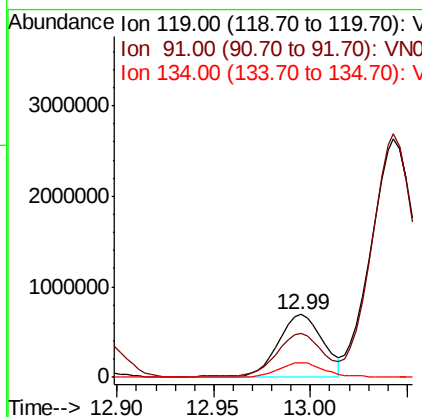
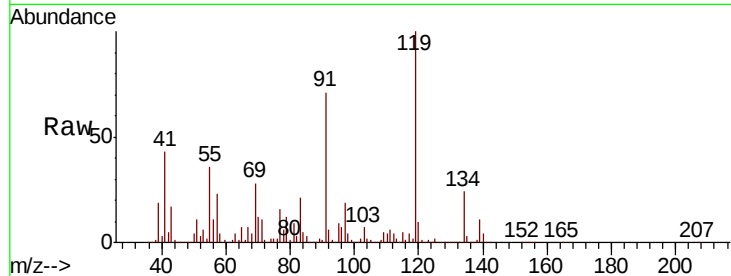
#83
 tert-Butylbenzene
 Concen: 71.056 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion:119 Resp: 1118219
 Ion Ratio Lower Upper
 119 100
 91 71.0 34.3 102.9
 134 25.1 13.1 39.3

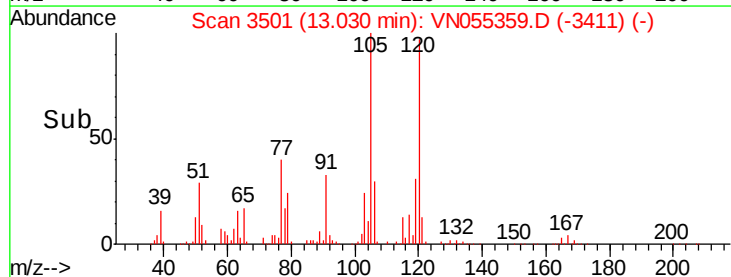
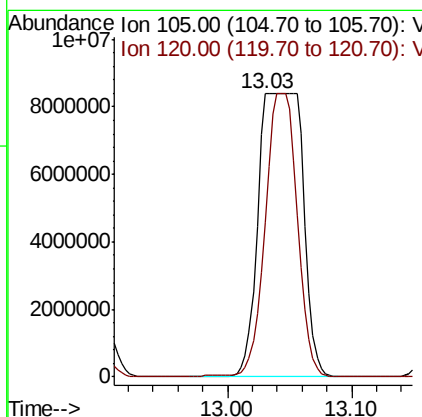
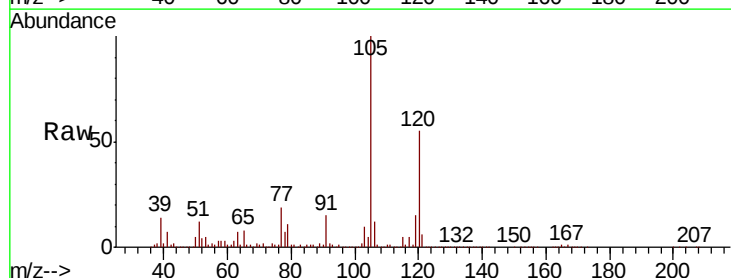
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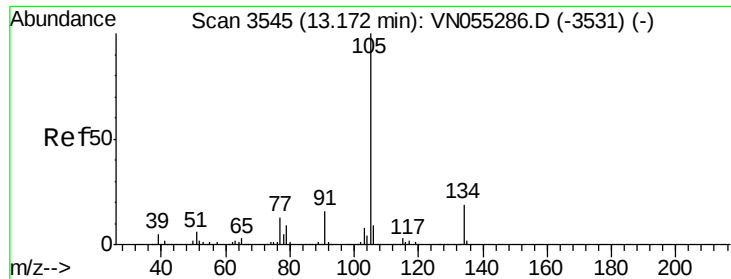
MMDadoda
 5/3/2019 1:10:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 1033.797 ug/l m
 RT: 13.03 min Scan# 3501
 Delta R.T. -0.01 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion:105 Resp:20917171
 Ion Ratio Lower Upper
 105 100
 120 7.8 22.1 66.5#





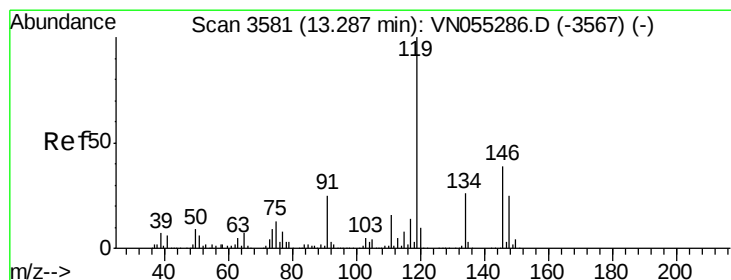
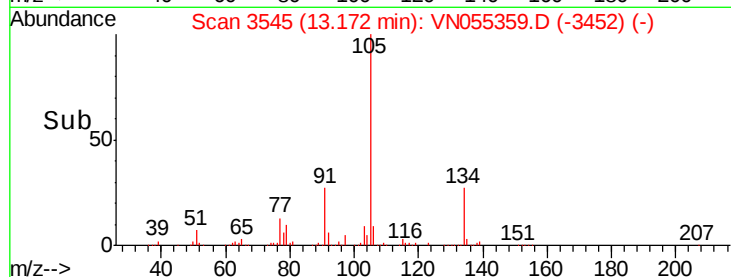
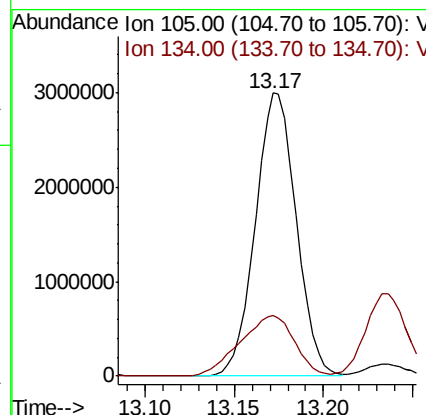
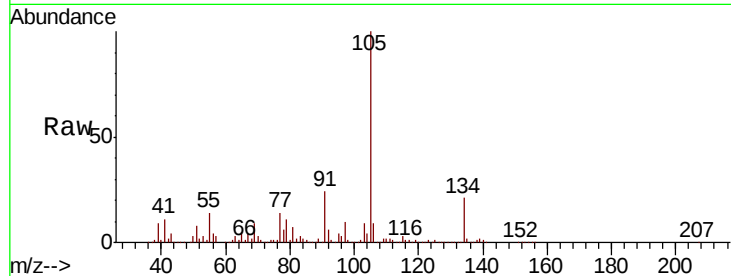
#85
 sec-Butylbenzene
 Concen: 194.912 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion:105 Resp: 4792823
 Ion Ratio Lower Upper
 105 100
 134 28.6 9.6 28.8

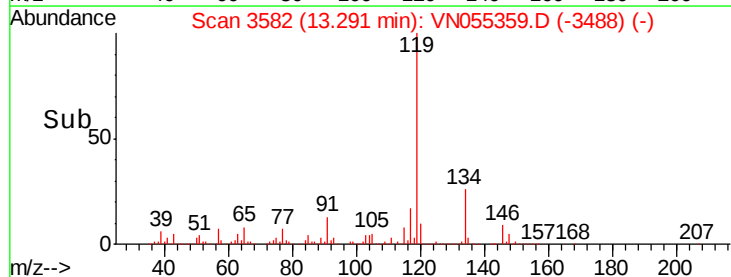
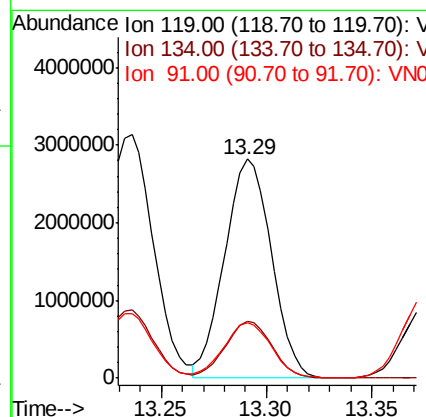
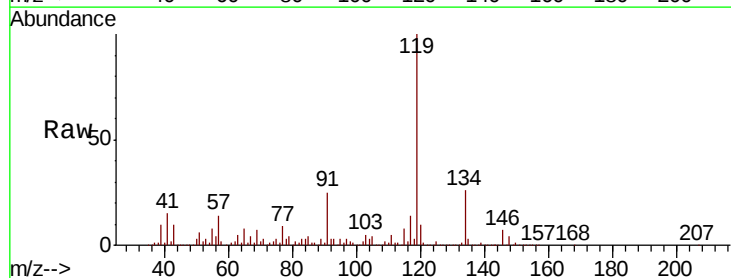
Manual Integrations
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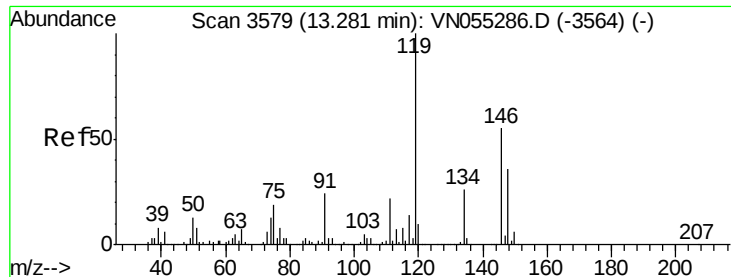
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#86
 p-Isopropyltoluene
 Concen: 214.725 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion:119 Resp: 4339714
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 25.4 12.2 36.6





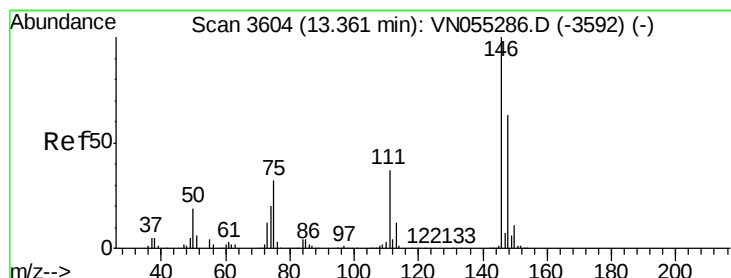
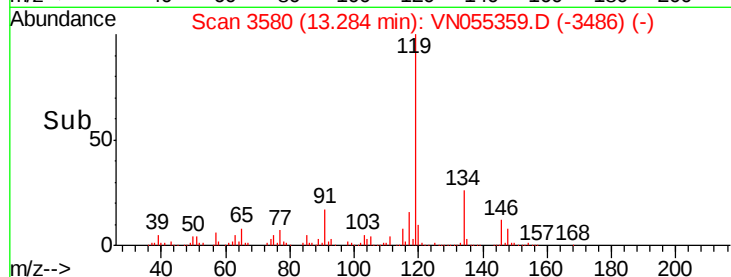
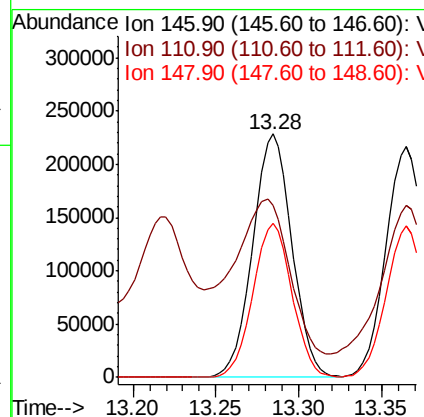
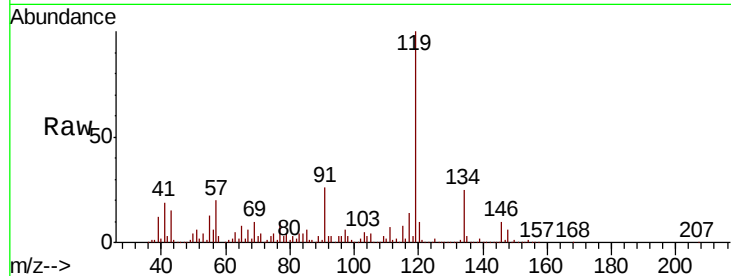
#87
 1,3-Dichlorobenzene
 Concen: 38.724 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	82.6	20.3	60.8#
148	63.1	32.5	97.5

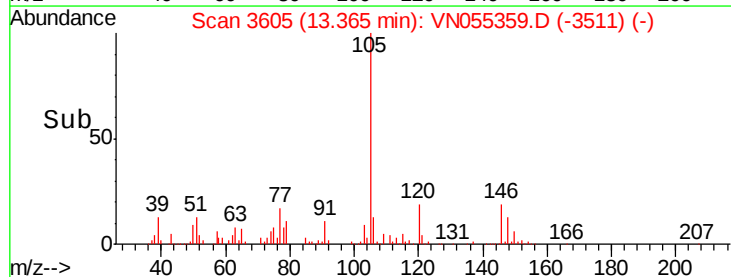
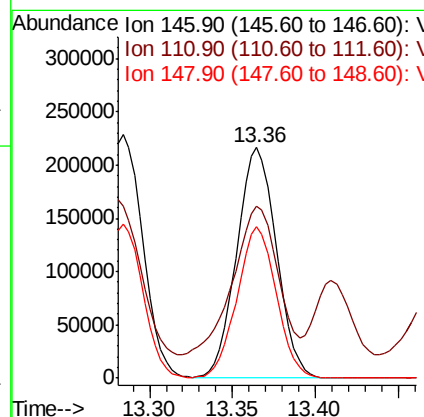
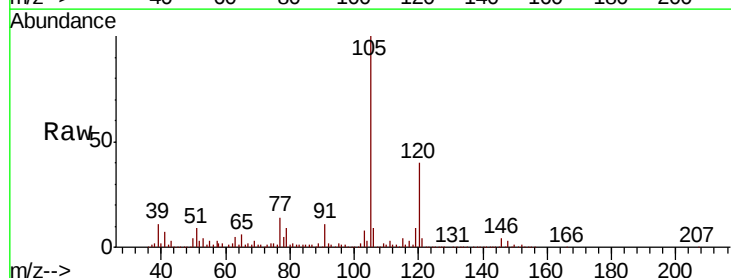
Manual Integrations
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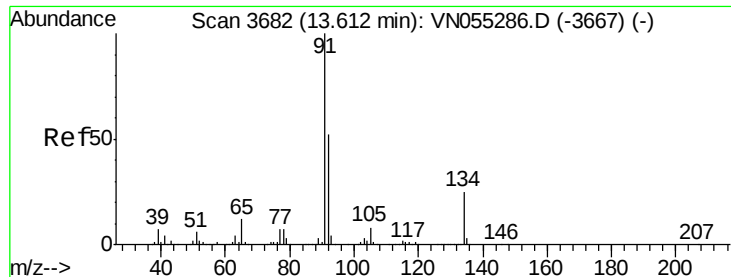
MMDadoda
 5/3/2019 1:10:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 39.672 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	70.7	19.5	58.5#
148	64.8	32.5	97.4





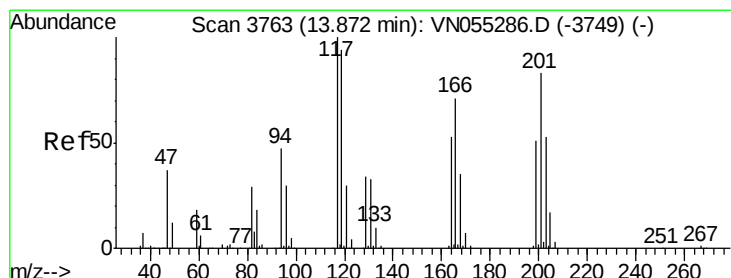
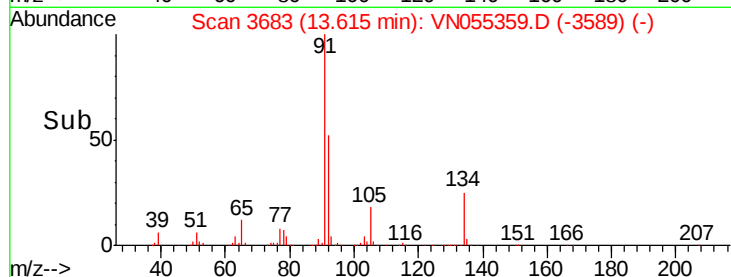
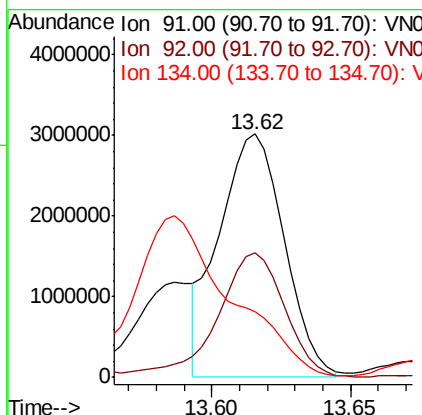
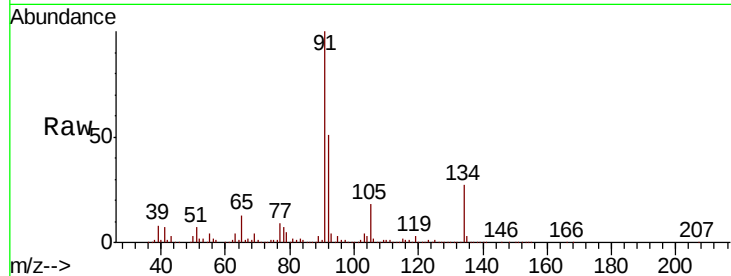
#89
n-Butylbenzene
Concen: 341.528 ug/l m
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E2-3(14-17)MSD

Tgt Ion: 91 Resp: 4904811
Ion Ratio Lower Upper
91 100
92 52.4 26.1 78.3
134 0.0 12.4 37.4#

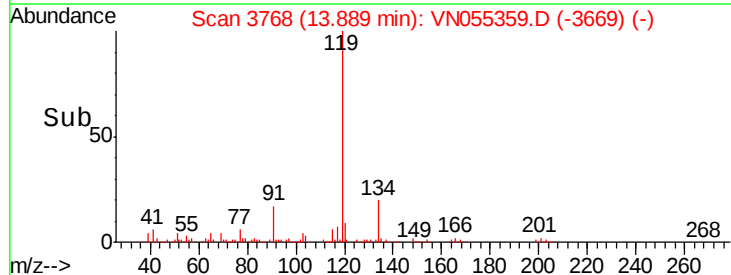
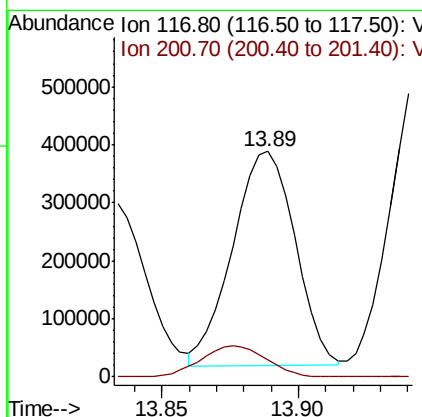
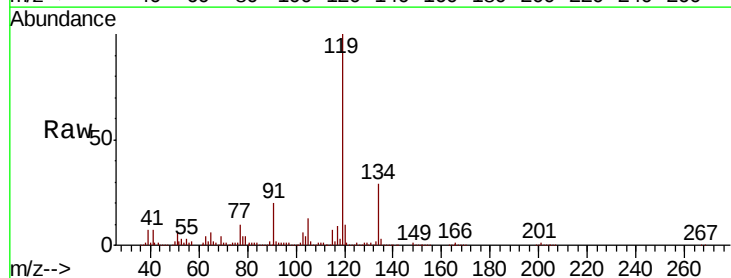
Manual Integrations
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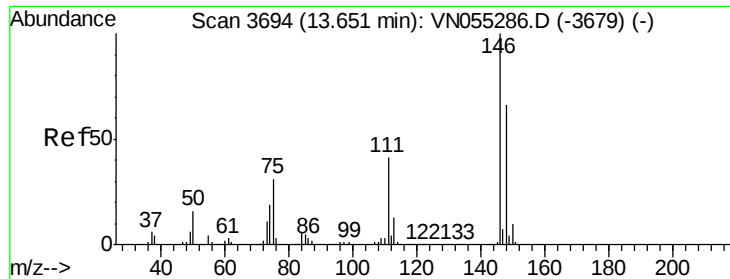
MMDadoda
5/3/2019 1:10:27 PM



#90
Hexachloroethane
Concen: 187.883 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.02 min
Lab File: VN055359.D
Acq: 2 May 2019 19:15

Tgt Ion: 117 Resp: 587339
Ion Ratio Lower Upper
117 100
201 15.4 41.9 125.8#





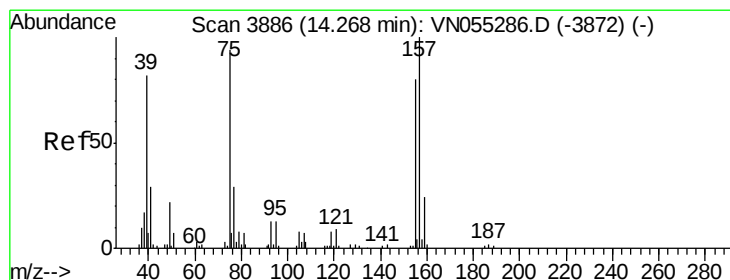
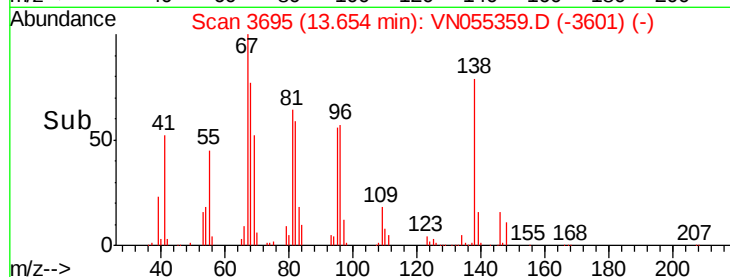
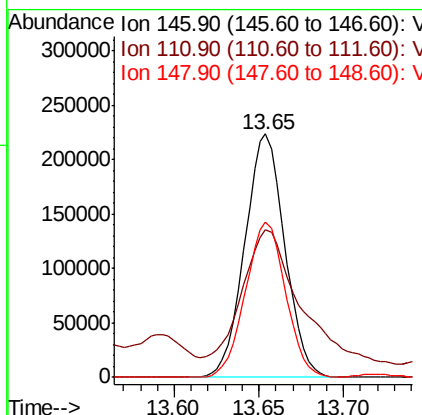
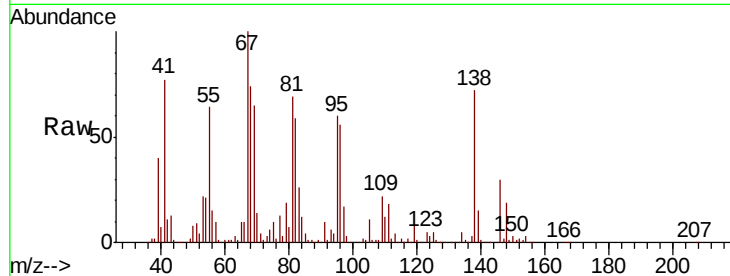
#91
 1,2-Dichlorobenzene
 Concen: 38.277 ug/l m
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	20.3	61.0
148	42.9	32.4	97.2

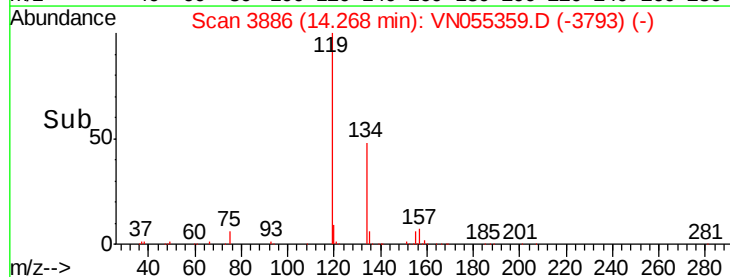
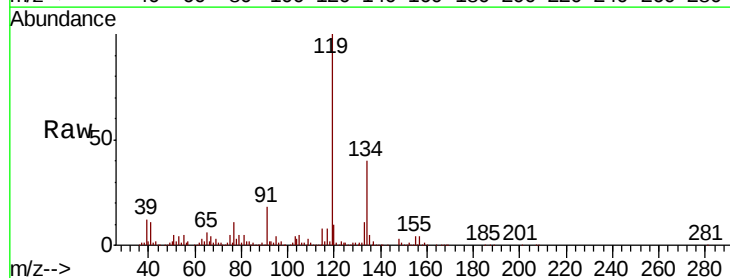
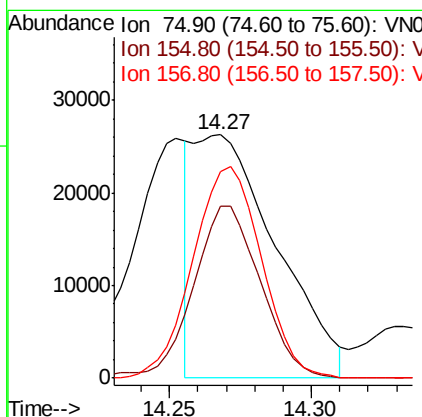
Manual Integrations
 APPROVED

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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 70.321 ug/l m
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.8	41.5	124.6
157	72.0	54.0	162.2





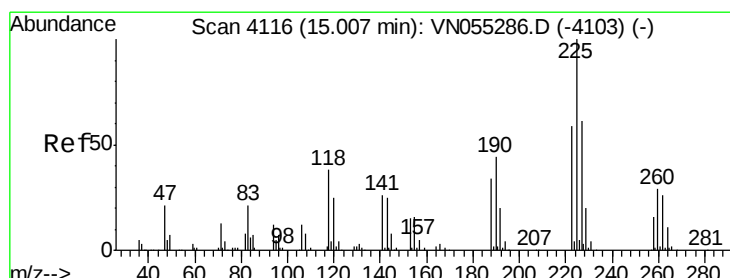
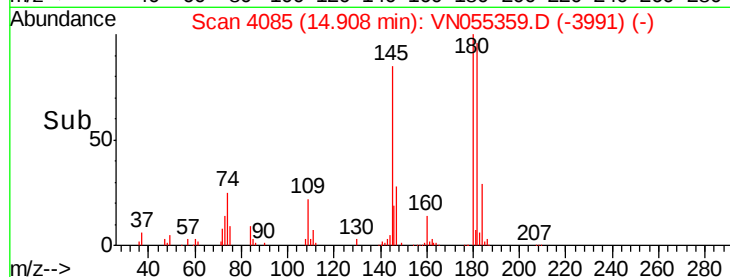
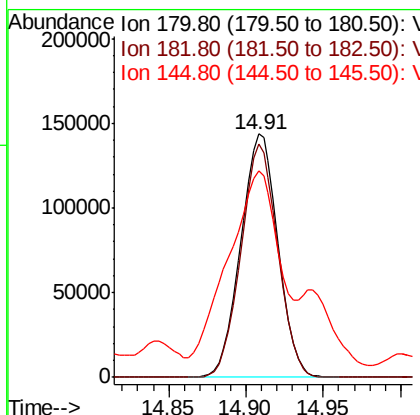
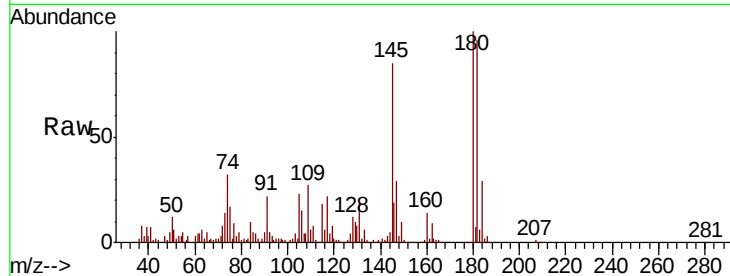
#93
 1,2,4-Trichlorobenzene
 Concen: 62.588 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E2-3(14-17)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	239525		
182	94.5	48.3	144.9	
145	100.2	14.2	42.6#	

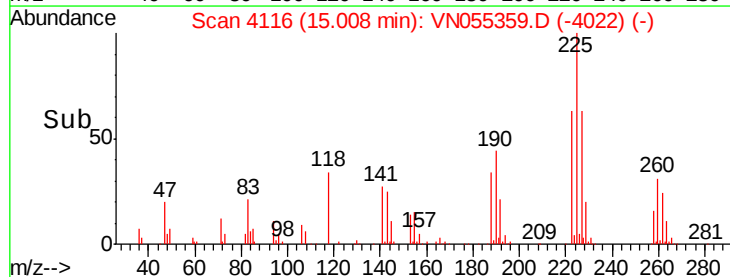
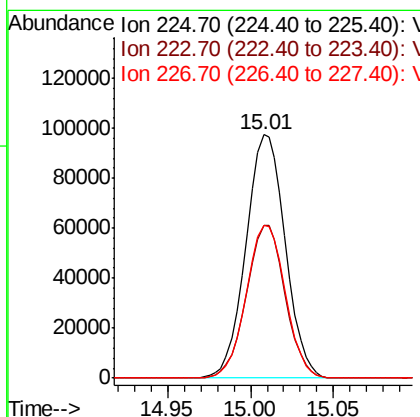
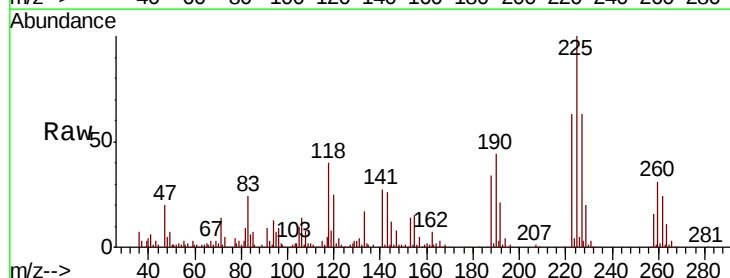
Manual Integrations
 APPROVED

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 5/3/2019 1:10:27 PM



#94
 Hexachlorobutadiene
 Concen: 56.356 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055359.D
 Acq: 2 May 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	161279		
223	61.7	30.3	90.8	
227	62.4	30.9	92.7	





#95

Naphthalene

Concen: 246.788 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-E2-3(14-17)MSD

Tgt Ion:128 Resp: 2092115

Ion Ratio Lower Upper

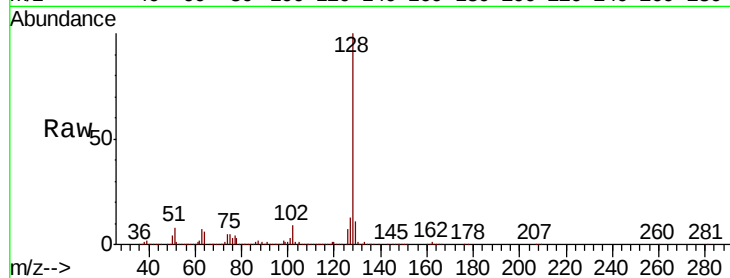
128 100

127 13.1 10.7 16.1

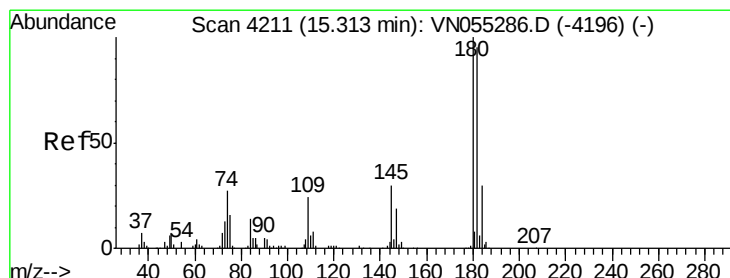
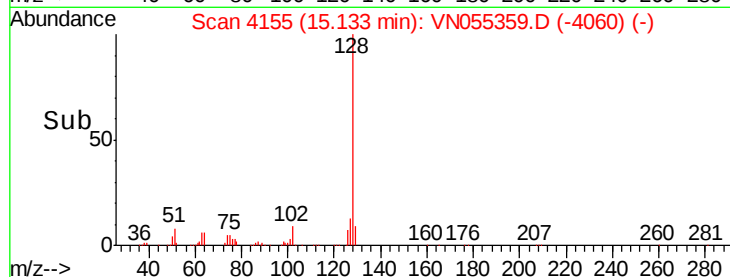
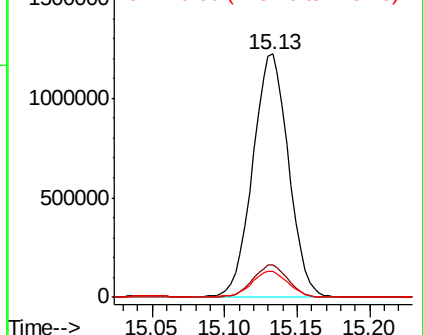
129 10.8 8.6 13.0

Manual Integrations
APPROVED

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5/3/2019 1:10:27 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 59.269 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055359.D

Acq: 2 May 2019 19:15

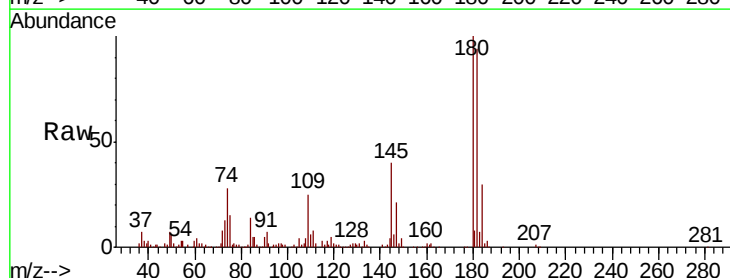
Tgt Ion:180 Resp: 222133

Ion Ratio Lower Upper

180 100

182 96.0 48.3 144.9

145 53.3 15.2 45.6#



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

