

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055354.D
 Acq On : 2 May 2019 17:10
 Operator : JC/SP
 Sample : VN0502MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 1:10:03 PM

Quant Time: May 03 04:23:00 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	402741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	643517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	545406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	212352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	271684	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.59	113	209835	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.09	98	756914	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	248954	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	89741	18.187	ug/l	98
3) Chloromethane	2.06	50	102867	16.836	ug/l	98
4) Vinyl Chloride	2.19	62	91089	18.494	ug/l	99
5) Bromomethane	2.57	94	47383	18.162	ug/l	99
6) Chloroethane	2.71	64	49674	18.618	ug/l	98
7) Trichlorofluoromethane	3.02	101	130609	18.649	ug/l	99
8) Diethyl Ether	3.42	74	51398	20.976	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	77660	18.621	ug/l	99
10) Methyl Iodide	3.96	142	101790	17.343	ug/l	99
11) Tert butyl alcohol	4.80	59	40568	134.486	ug/l #	83
12) 1,1-Dichloroethene	3.74	96	75766	19.044	ug/l	98
13) Acrolein	3.62	56	13497	57.293	ug/l	89
14) Allyl chloride	4.33	41	159965	19.414	ug/l	99
15) Acrylonitrile	5.00	53	195068	115.047	ug/l	99
16) Acetone	3.82	43	189161	115.224	ug/l	97
17) Carbon Disulfide	4.06	76	162547	15.656	ug/l	99
18) Methyl Acetate	4.33	43	96328	23.539	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	245067	21.912	ug/l	98
20) Methylene Chloride	4.56	84	90511	18.063	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	80814	19.180	ug/l	95
22) Diisopropyl ether	5.96	45	342474	20.919	ug/l	95
23) Vinyl Acetate	5.90	43	1180062	109.980	ug/l	100
24) 1,1-Dichloroethane	5.85	63	172870	19.818	ug/l	100
25) 2-Butanone	6.84	43	248808	118.509	ug/l	97
26) 2,2-Dichloropropane	6.83	77	113581	18.856	ug/l	82
27) cis-1,2-Dichloroethene	6.83	96	94695	19.763	ug/l	97
28) Bromochloromethane	7.20	49	86959	19.777	ug/l	97
29) Tetrahydrofuran	7.22	42	166450	123.813	ug/l	99
30) Chloroform	7.38	83	162707	19.677	ug/l	98
31) Cyclohexane	7.66	56	152467	18.397	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	130275	19.412	ug/l	99
36) 1,1-Dichloropropene	7.80	75	116477	18.897	ug/l	99
37) Ethyl Acetate	6.93	43	101643	21.516	ug/l #	79
38) Carbon Tetrachloride	7.78	117	105068	17.671	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	118460	18.076	ug/l	99
40) Benzene	8.04	78	360795	19.856	ug/l	99
41) Methacrylonitrile	7.18	41	60838	24.183	ug/l	97
42) 1,2-Dichloroethane	8.13	62	128315	19.938	ug/l	99
43) Isopropyl Acetate	8.17	43	187440	24.689	ug/l #	87
44) Trichloroethene	8.84	130	87886	18.973	ug/l	96
45) 1,2-Dichloropropane	9.12	63	104575	19.954	ug/l	99
46) Dibromomethane	9.21	93	57901	20.212	ug/l	99
47) Bromodichloromethane	9.40	83	119762	19.488	ug/l	98
48) Methyl methacrylate	9.20	41	83444	22.358	ug/l	99
49) 1,4-Dioxane	9.20	88	18074	468.468	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	507383	118.704	ug/l	99
52) Toluene	10.16	92	209663	20.110	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	110430	20.700	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	135754	20.409	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	81201	20.974	ug/l	97
56) Ethyl methacrylate	10.43	69	108327	22.733	ug/l	99
57) 1,3-Dichloropropane	10.71	76	143343	21.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	125151	92.831	ug/l	98
59) 2-Hexanone	10.75	43	330146	123.446	ug/l	98
60) Dibromochloromethane	10.90	129	79445	20.078	ug/l	100
61) 1,2-Dibromoethane	11.01	107	75939	21.221	ug/l	99
64) Tetrachloroethene	10.63	164	87354	19.585	ug/l	98
65) Chlorobenzene	11.43	112	209834	19.678	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	80033	19.168	ug/l	99
67) Ethyl Benzene	11.51	91	386329	20.063	ug/l	99
68) m/p-Xylenes	11.62	106	282143	41.049	ug/l	100
69) o-Xylene	11.95	106	138161	20.280	ug/l	98
70) Styrene	11.96	104	224834	21.494	ug/l	99
71) Bromoform	12.13	173	46098	19.896	ug/l #	96
73) Isopropylbenzene	12.25	105	383889	20.878	ug/l	99
74) N-amyl acetate	12.07	43	147029	26.979	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	98370	21.572	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	90392m	21.464	ug/l	
77) Bromobenzene	12.53	156	90102	20.961	ug/l	99
78) n-propylbenzene	12.59	91	429228	19.678	ug/l	100
79) 2-Chlorotoluene	12.67	91	261169	21.158	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	350063	21.028	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21600	19.276	ug/l #	77
82) 4-Chlorotoluene	12.77	91	237109	18.695	ug/l	99
83) tert-Butylbenzene	12.99	119	265435	20.828	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	437817	29.406	ug/l	99
85) sec-Butylbenzene	13.17	105	346145	19.130	ug/l	98
86) p-Isopropyltoluene	13.29	119	303008	20.374	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	135473	19.065	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	132912	19.862	ug/l	99
89) n-Butylbenzene	13.62	91	235194	22.256	ug/l	95
90) Hexachloroethane	13.87	117	45696	18.410	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	142002	20.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14084	25.210	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48468	19.611	ug/l	96
94) Hexachlorobutadiene	15.01	225	48478	21.267	ug/l	99
95) Naphthalene	15.13	128	129118	23.747	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52860	20.935	ug/l	99

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

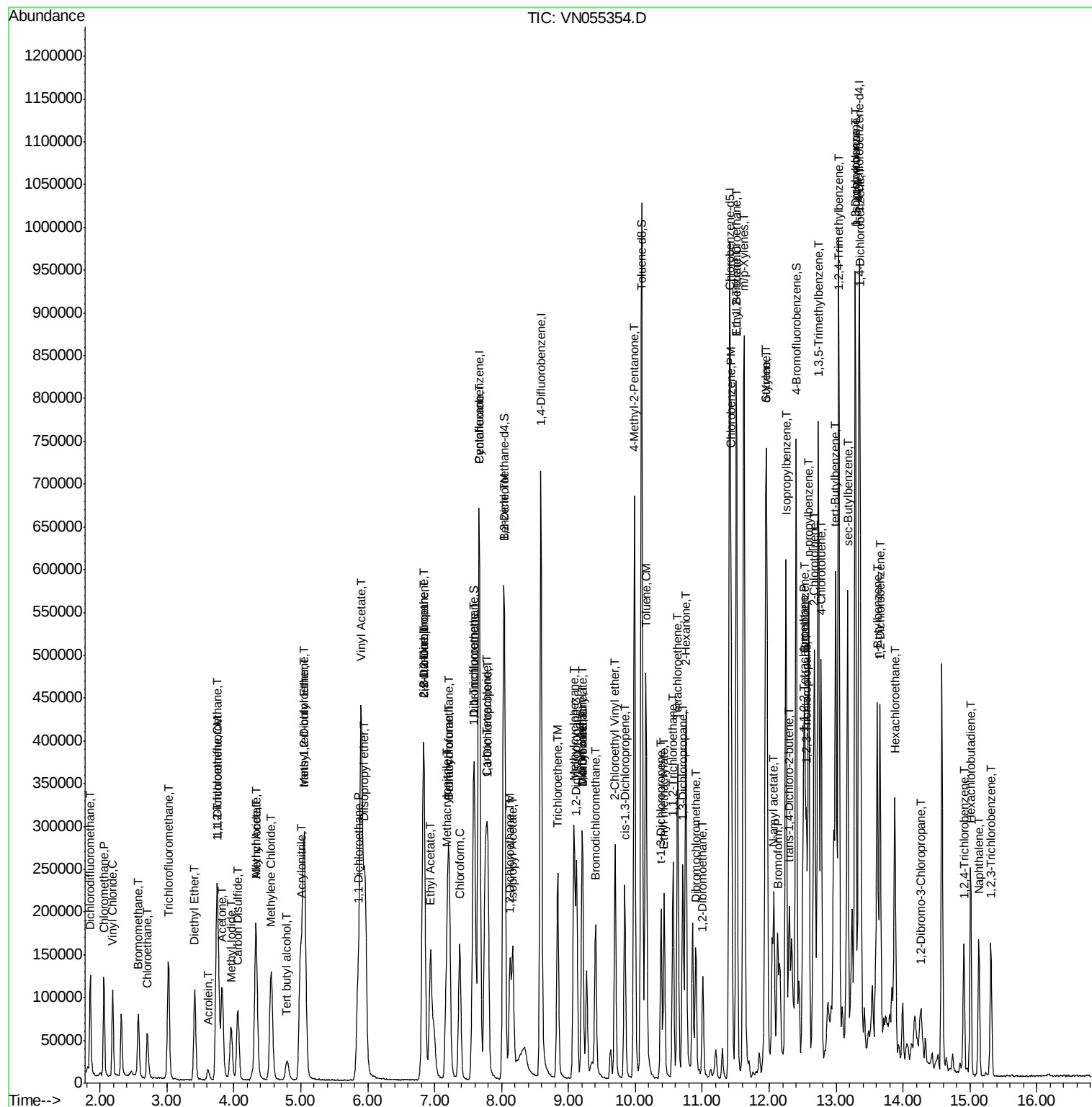
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Data File : VN055354.D
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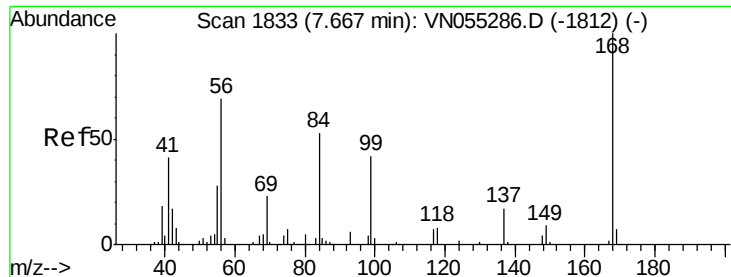
Instrument :
MSVOA_N
Client Sample Id :
VN0502MBS01

Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

Tgt Ion: 168 Resp: 402741

Ion Ratio Lower Upper

168 100

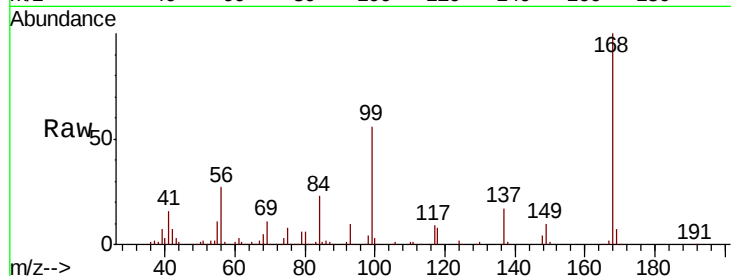
99 55.0 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

150000

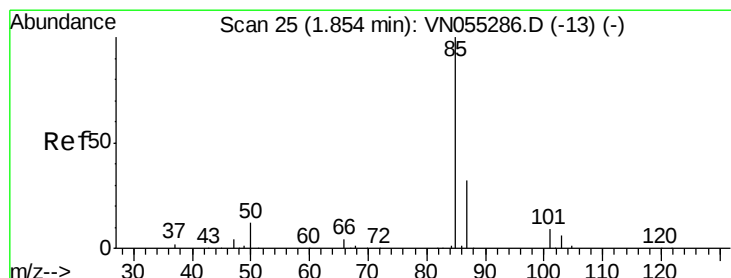
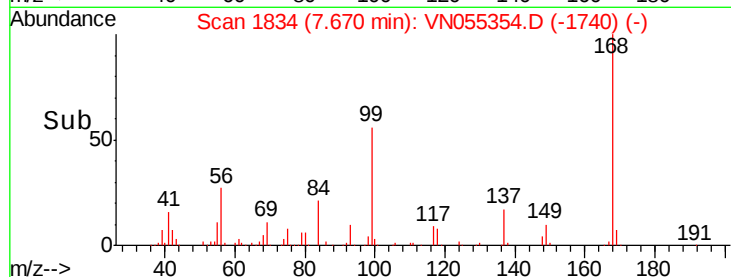
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.187 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055354.D

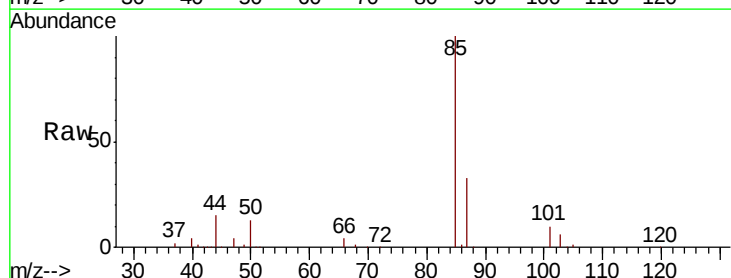
Acq: 2 May 2019 17:10

Tgt Ion: 85 Resp: 89741

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

60000

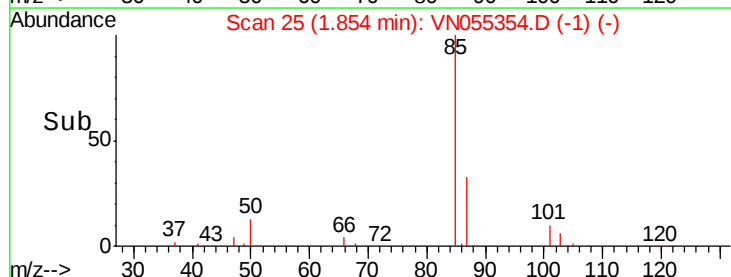
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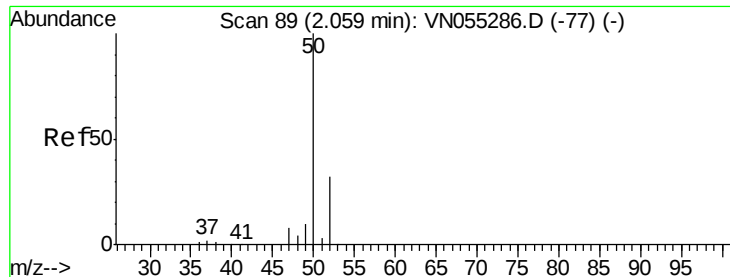
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.836 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

Tgt Ion: 50 Resp: 102867

Ion Ratio Lower Upper

50 100

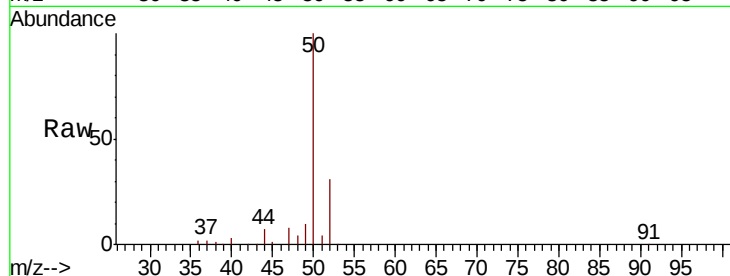
52 31.1 25.7 38.5

Manual Integrations

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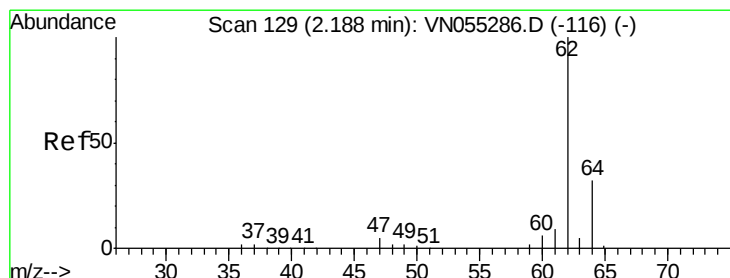
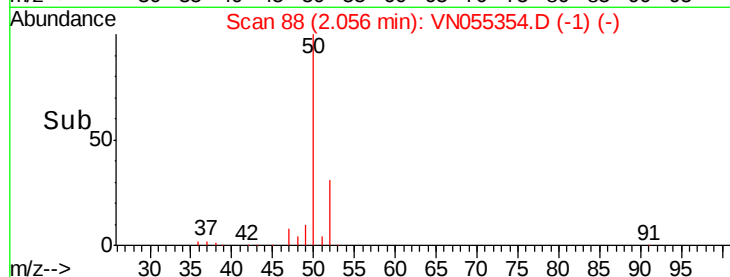
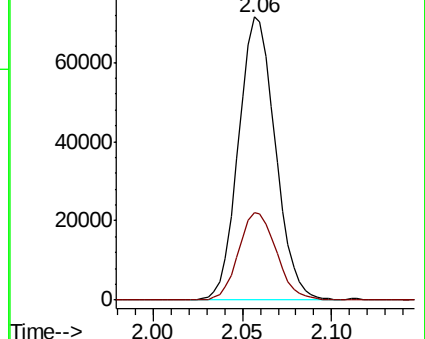
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.494 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055354.D

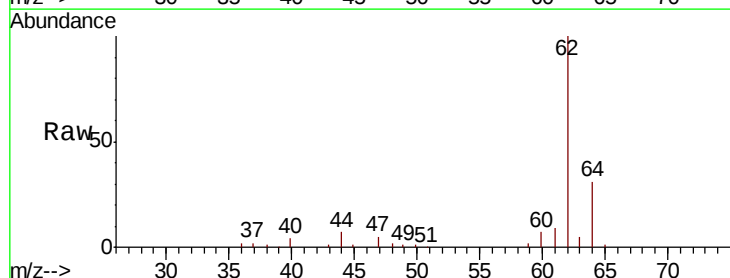
Acq: 2 May 2019 17:10

Tgt Ion: 62 Resp: 91089

Ion Ratio Lower Upper

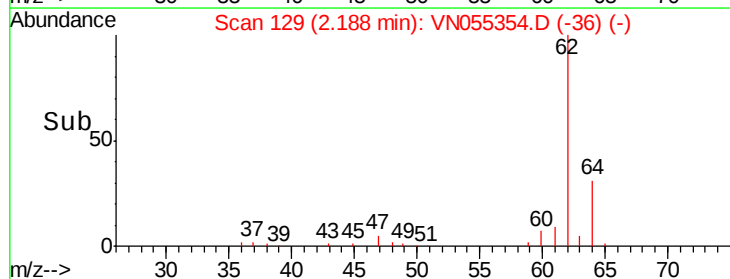
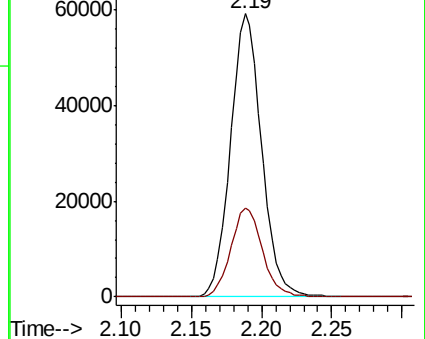
62 100

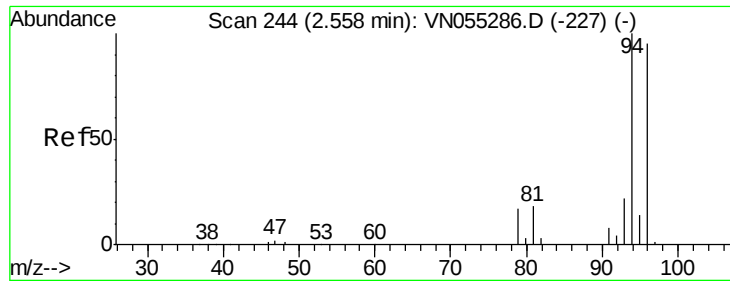
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.162 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

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ClientSampleId :

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Tgt Ion: 94 Resp: 47383

Ion Ratio Lower Upper

94 100

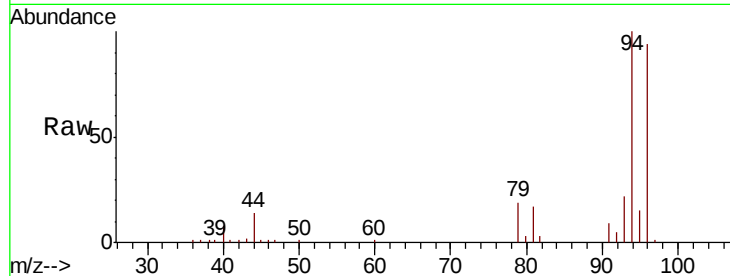
96 93.8 76.0 114.0

Manual Integrations

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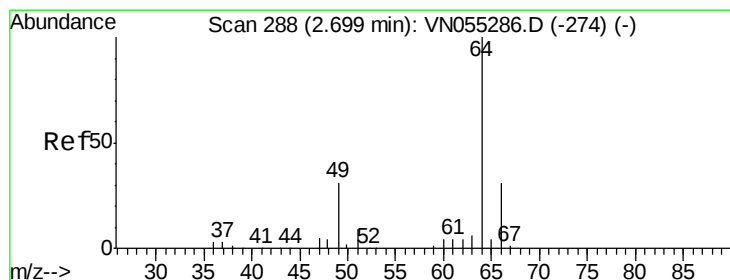
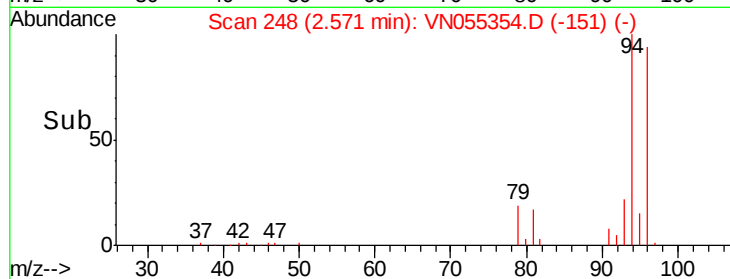
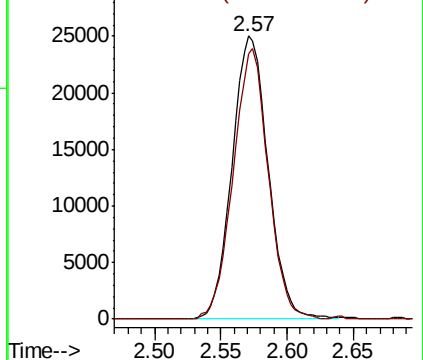
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.618 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055354.D

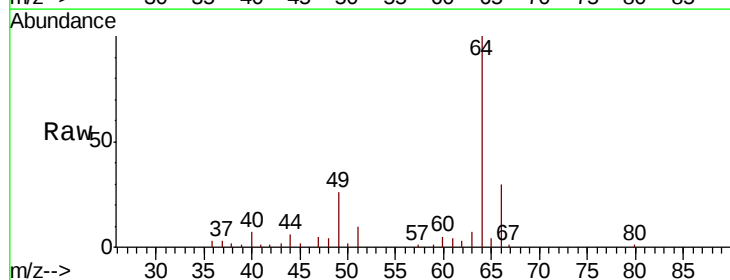
Acq: 2 May 2019 17:10

Tgt Ion: 64 Resp: 49674

Ion Ratio Lower Upper

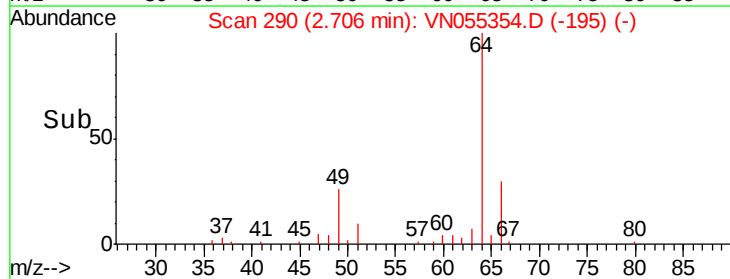
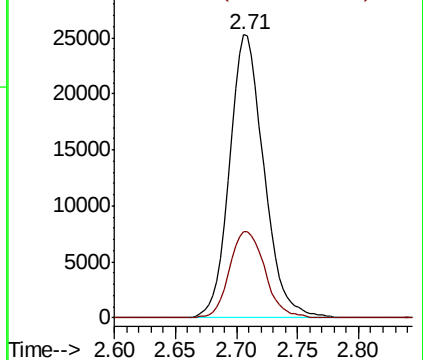
64 100

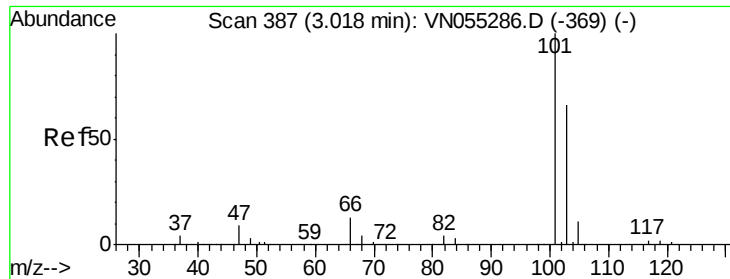
66 30.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

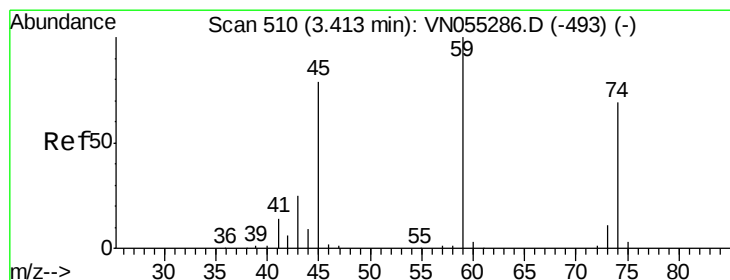
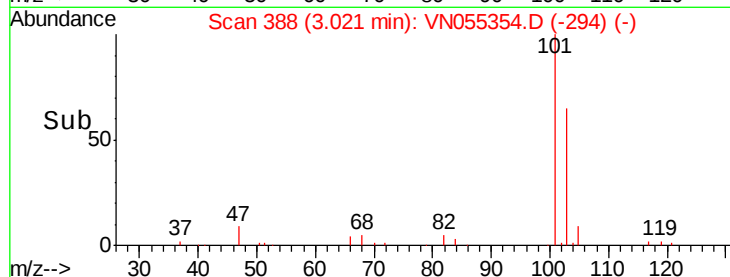
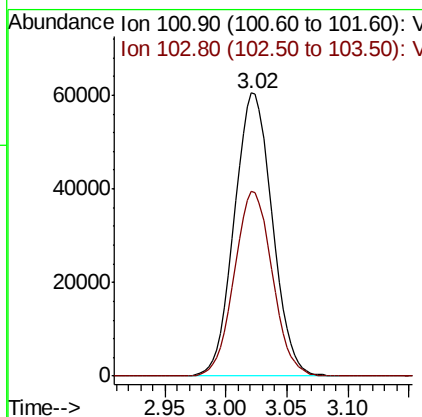
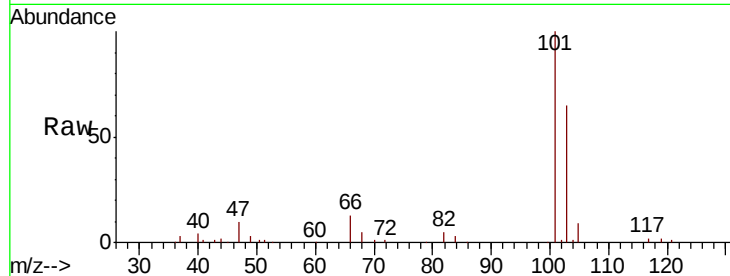
Trichlorofluoromethane
Concen: 18.649 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion: 101 Resp: 130609
Ion Ratio Lower Upper
101 100
103 65.3 52.6 79.0

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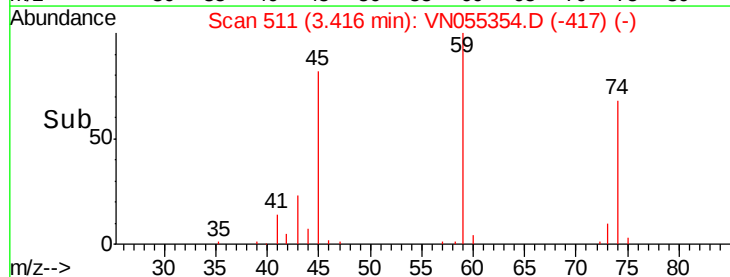
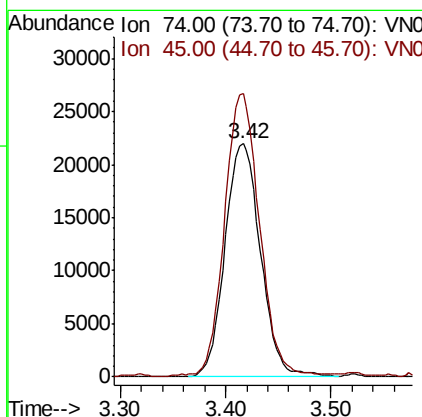
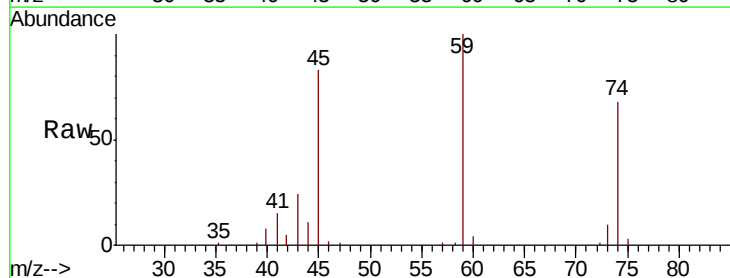
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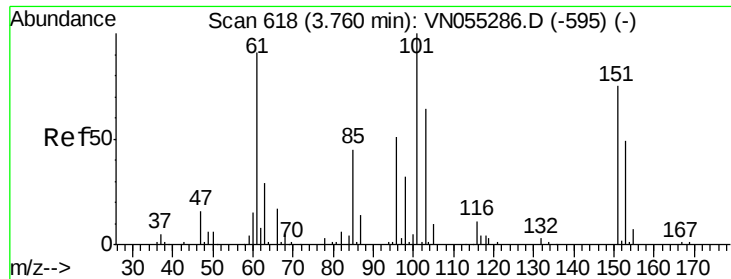


#8

Diethyl Ether
Concen: 20.976 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 74 Resp: 51398
Ion Ratio Lower Upper
74 100
45 120.1 58.9 176.6





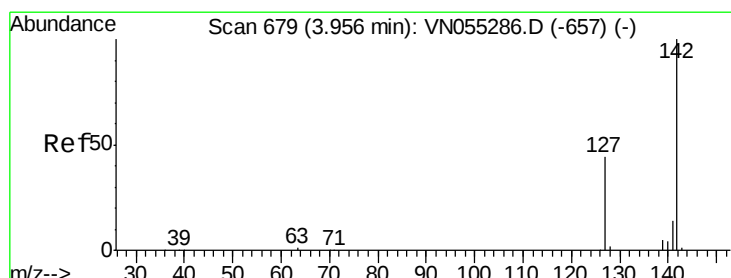
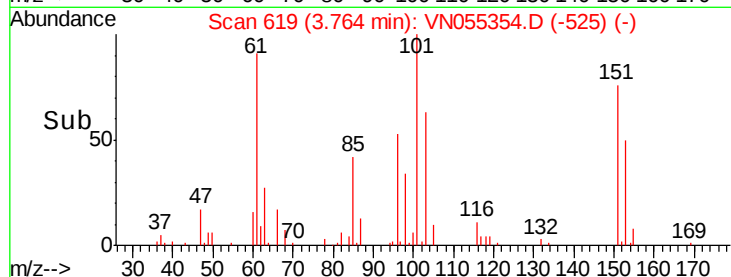
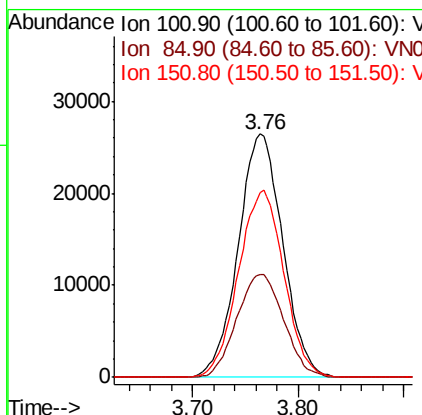
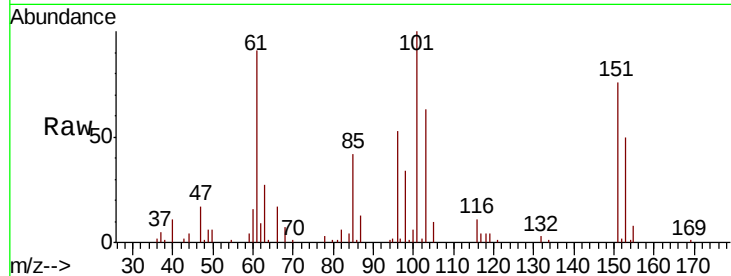
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.621 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	77660		
85	44.3	35.7	53.5	
151	78.4	63.3	94.9	

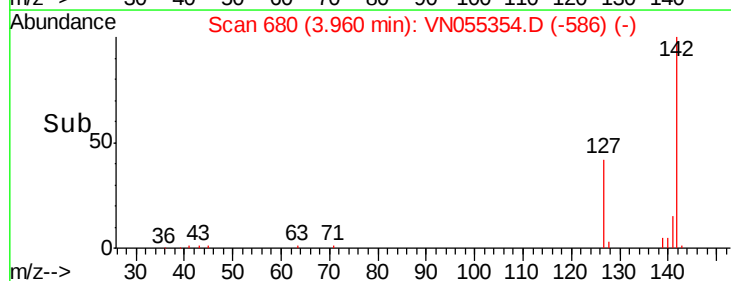
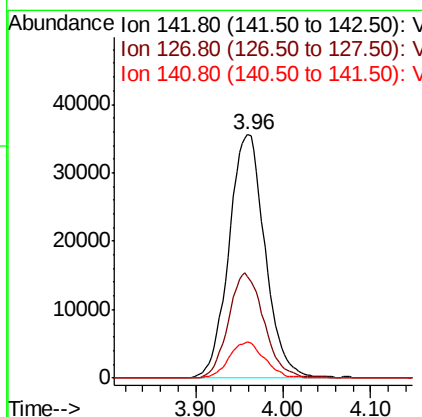
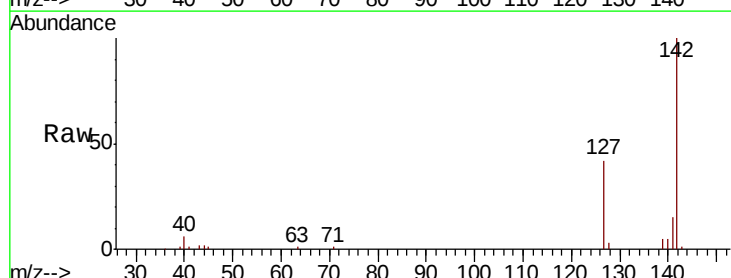
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#10
 Methyl Iodide
 Concen: 17.343 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	101790		
127	42.1	34.4	51.6	
141	14.4	11.5	17.3	





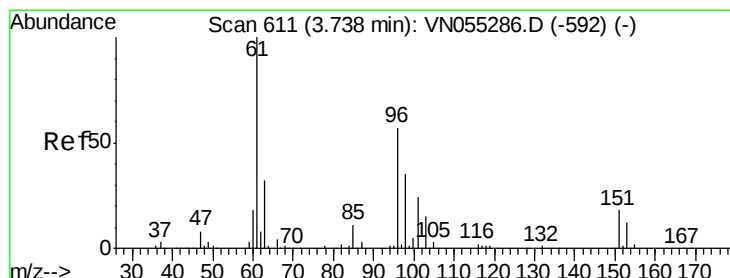
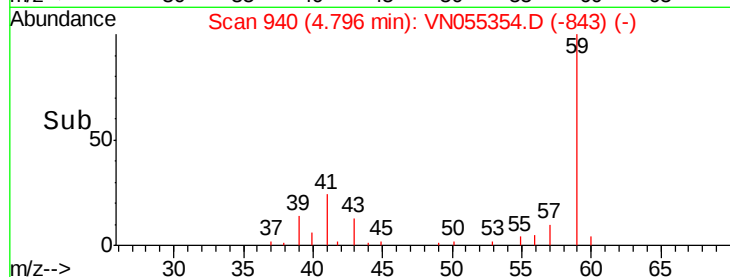
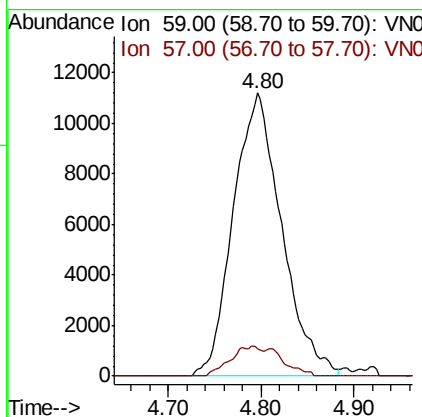
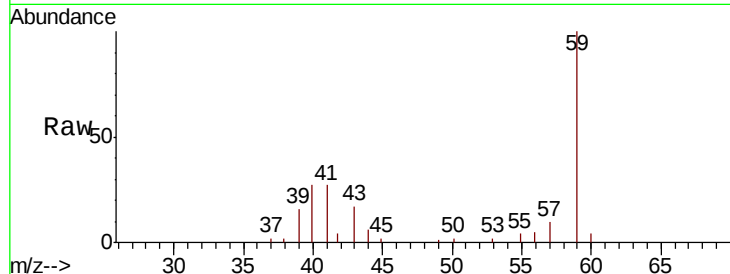
#11
Tert butyl alcohol
Concen: 134.486 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion: 59 Resp: 40568
Ion Ratio Lower Upper
59 100
57 3.8 8.2 12.2#

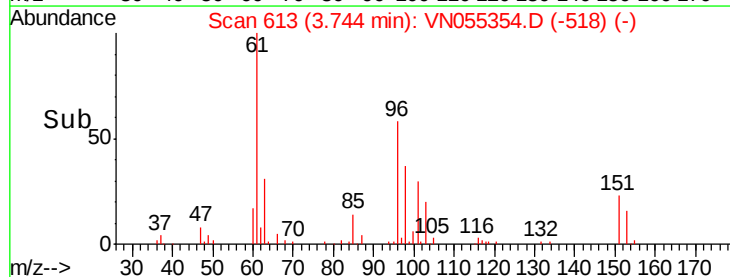
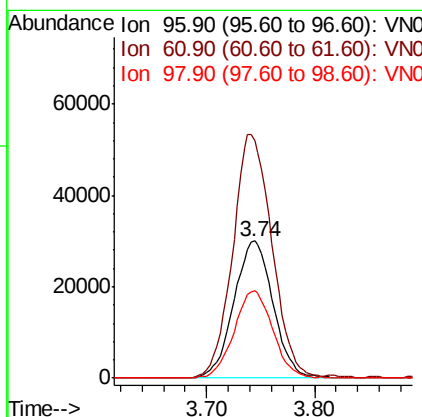
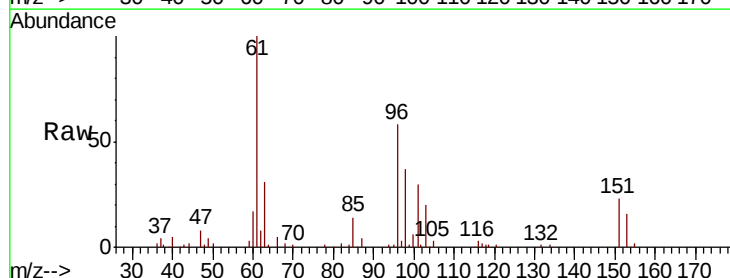
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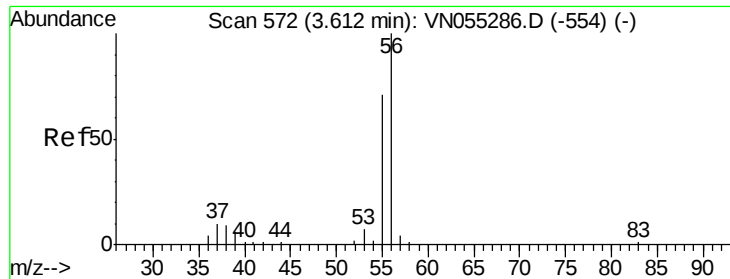
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.044 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 96 Resp: 75766
Ion Ratio Lower Upper
96 100
61 172.6 140.9 211.3
98 64.2 50.0 75.0





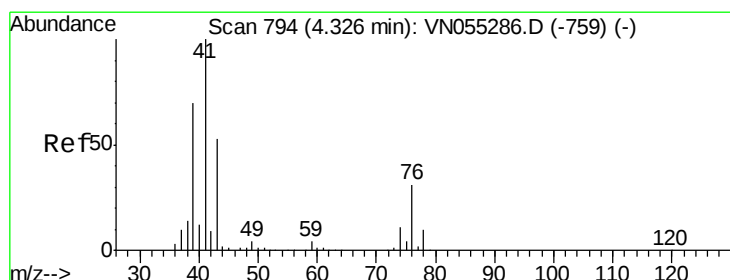
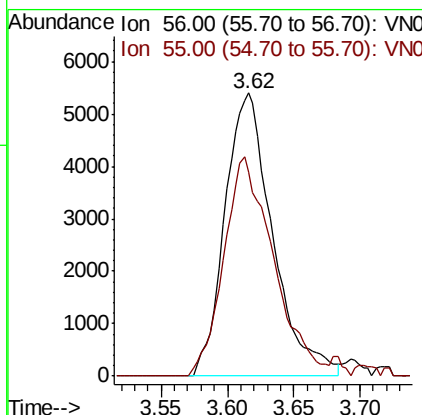
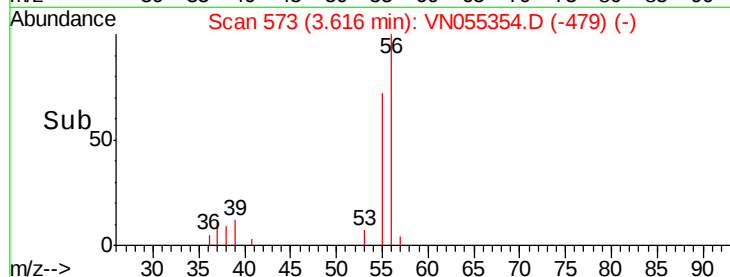
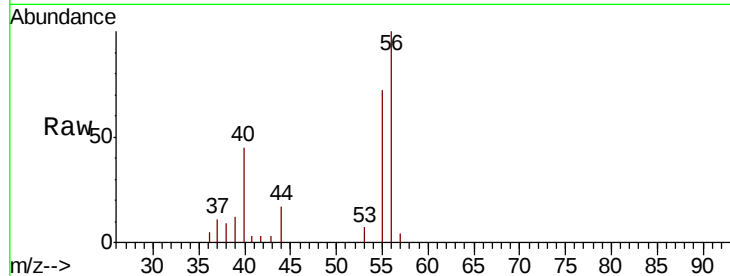
#13
 Acrolein
 Concen: 57.293 ug/l
 RT: 3.62 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tgt Ion: 56 Resp: 13497
 Ion Ratio Lower Upper
 56 100
 55 80.6 57.4 86.2

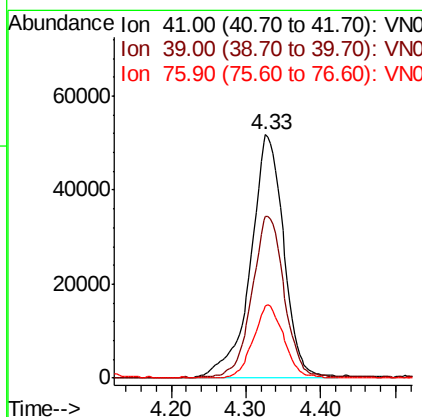
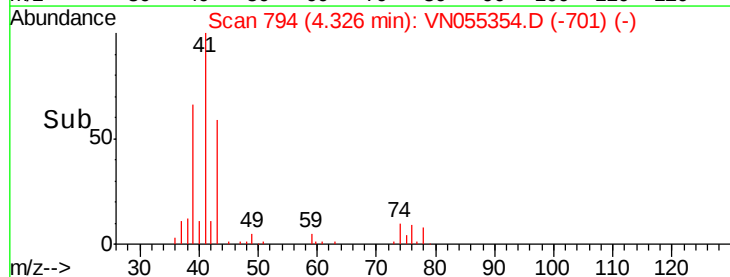
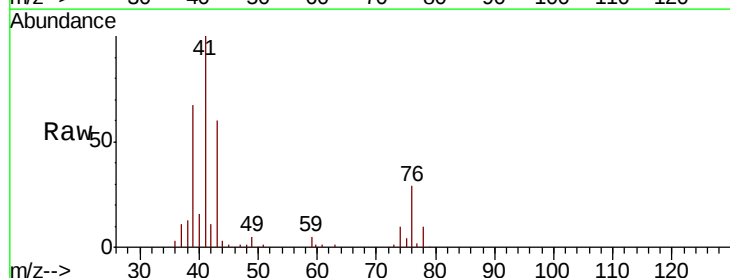
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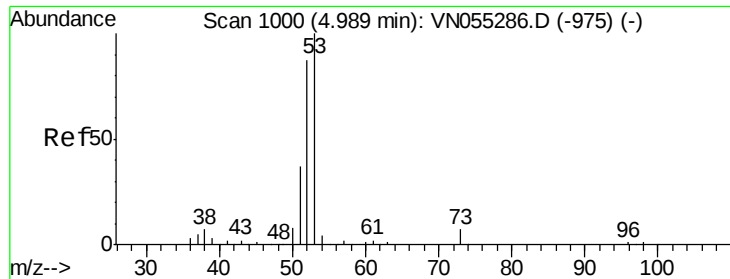
MMDadoda
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#14
 Allyl chloride
 Concen: 19.414 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 41 Resp: 159965
 Ion Ratio Lower Upper
 41 100
 39 65.3 53.0 79.6
 76 27.7 22.7 34.1





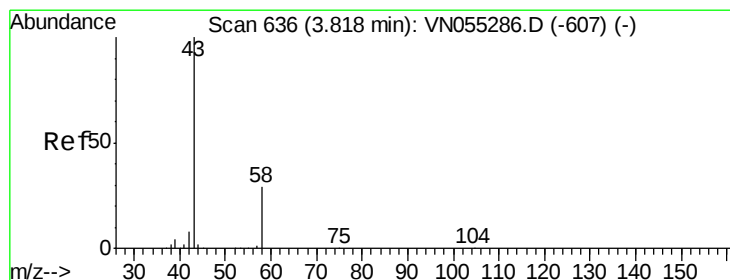
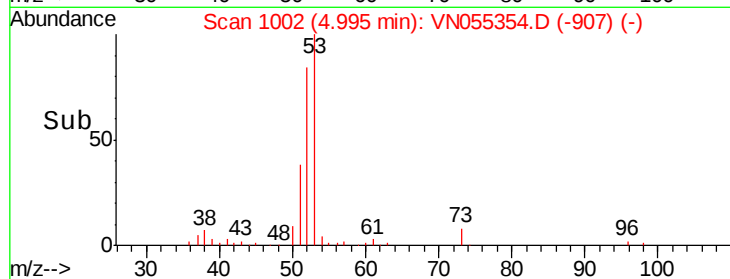
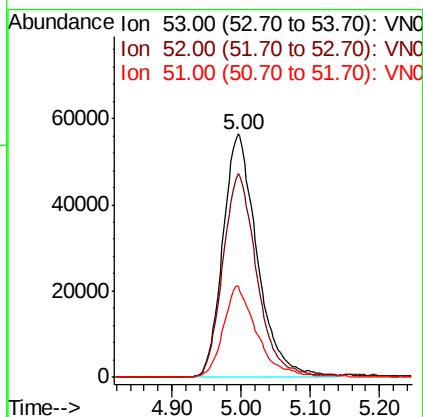
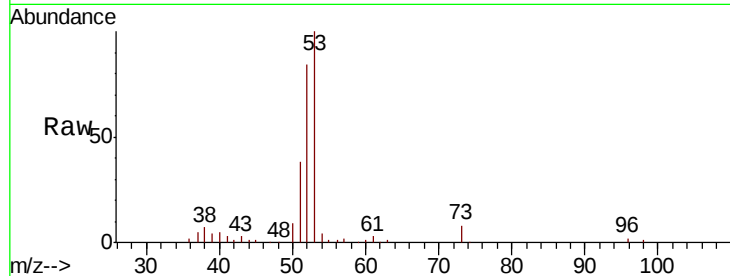
#15
 Acrylonitrile
 Concen: 115.047 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.5	99.7
51	36.2	29.6	44.4

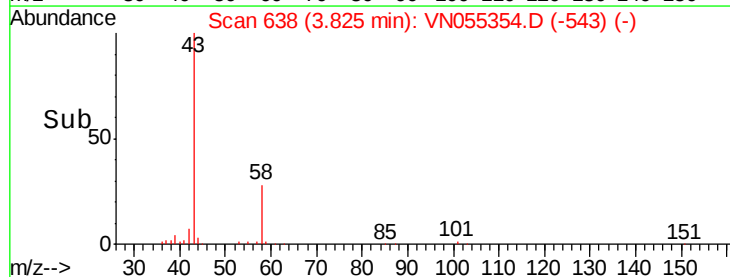
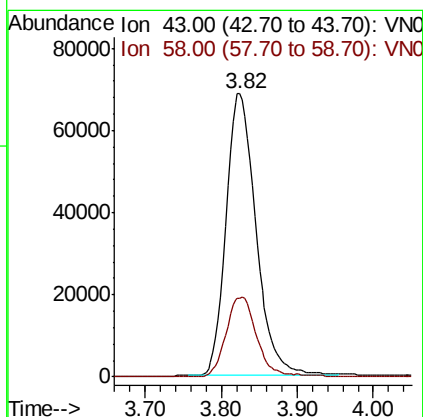
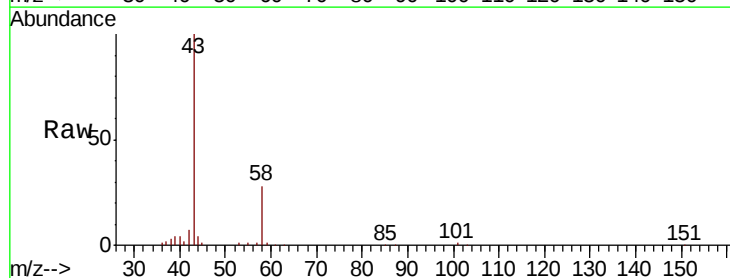
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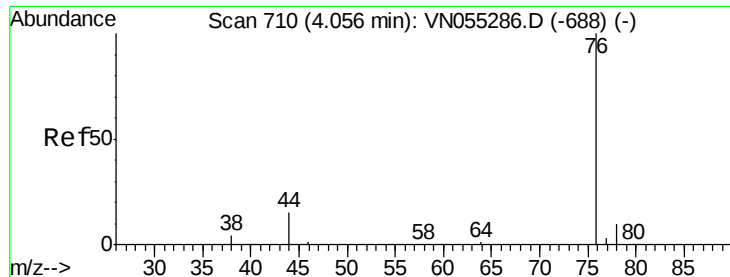
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#16
 Acetone
 Concen: 115.224 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.6	35.4





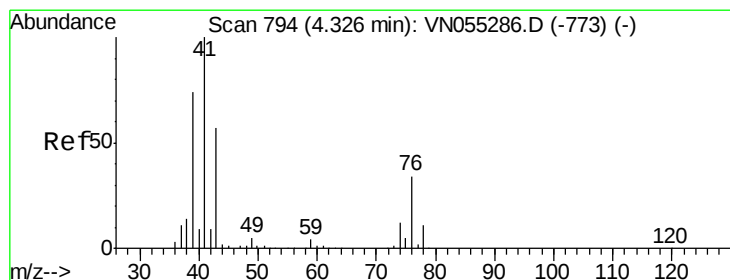
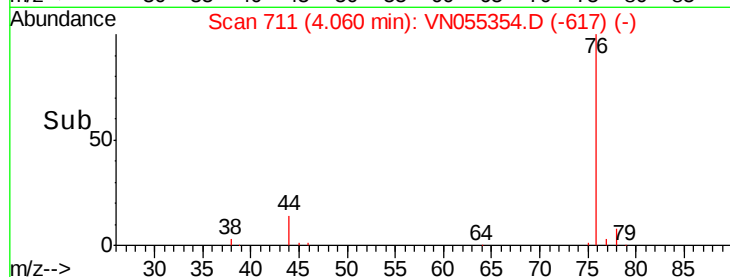
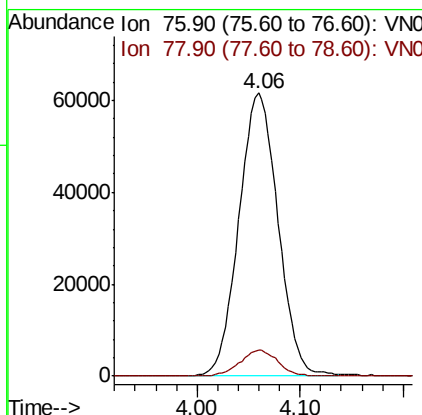
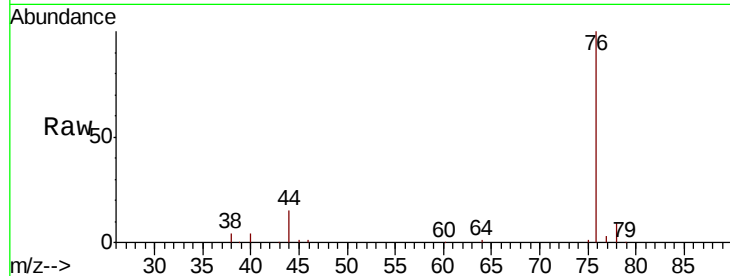
#17
Carbon Disulfide
Concen: 15.656 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion: 76 Resp: 162547
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

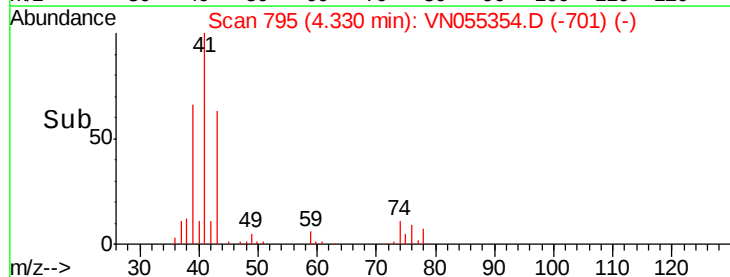
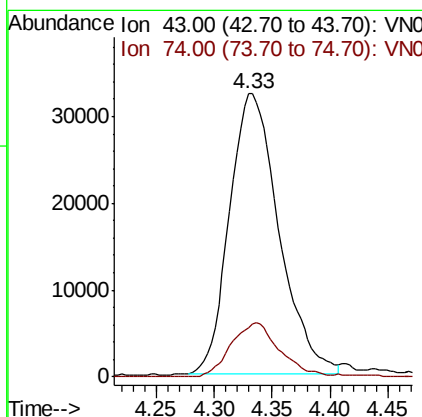
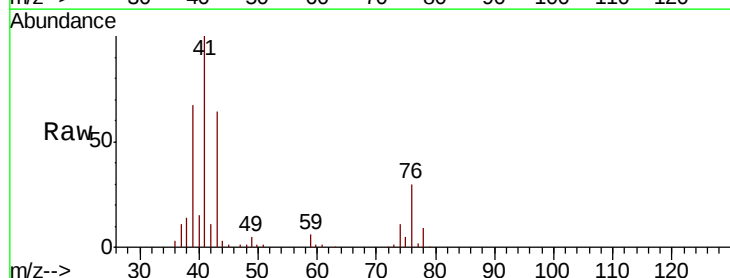
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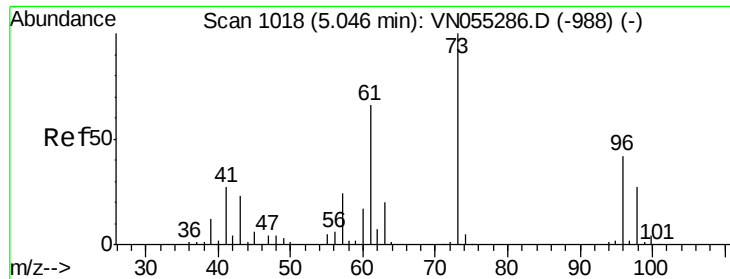
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#18
Methyl Acetate
Concen: 23.539 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 43 Resp: 96328
Ion Ratio Lower Upper
43 100
74 18.9 15.8 23.8





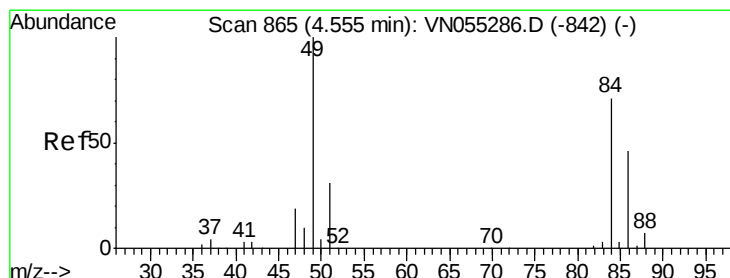
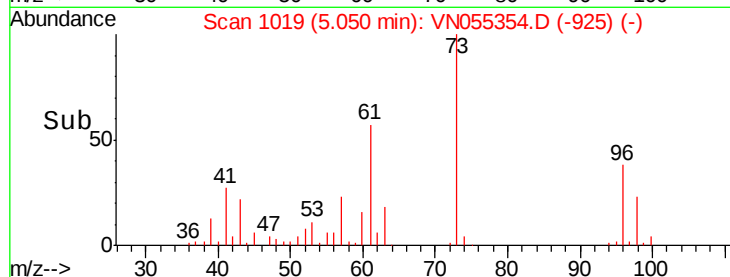
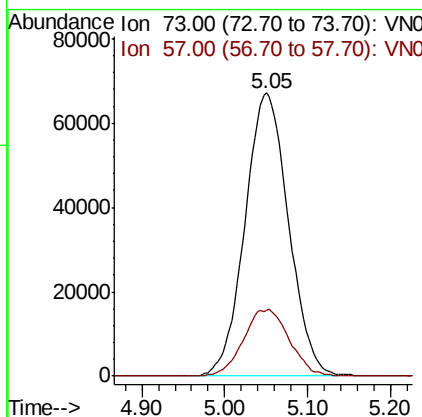
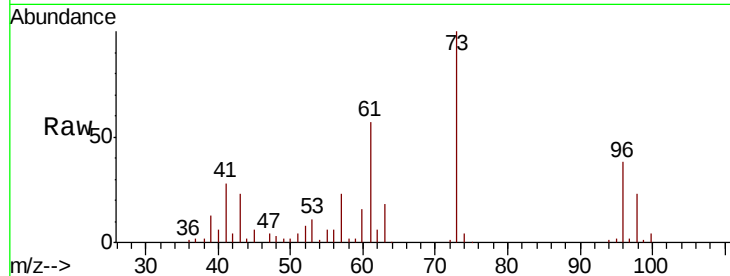
#19
Methyl tert-butyl Ether
Concen: 21.912 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion: 73 Resp: 245067
Ion Ratio Lower Upper
73 100
57 23.1 19.1 28.7

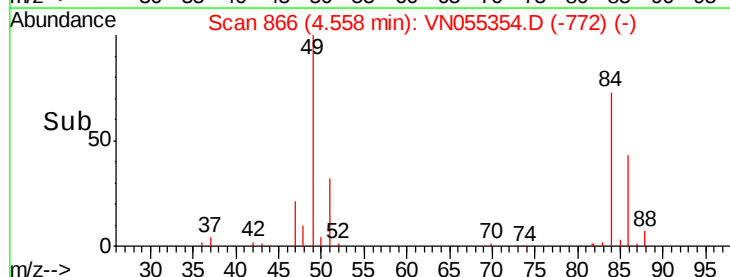
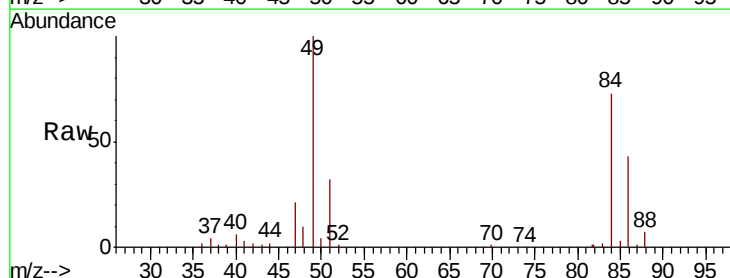
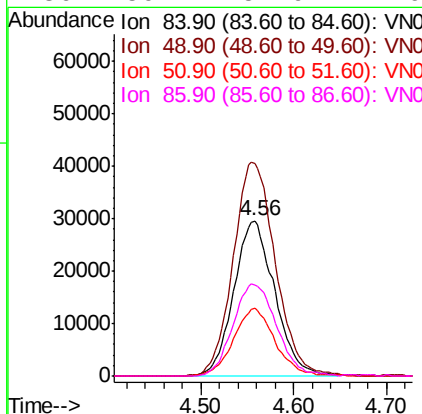
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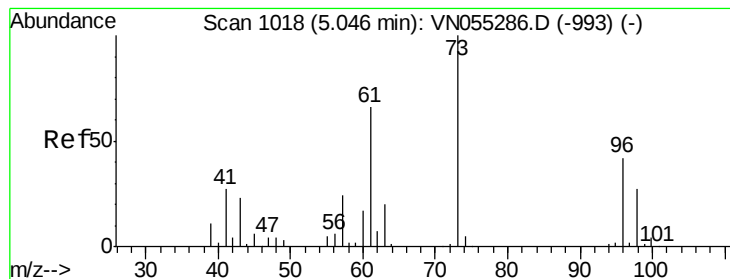
MMDadoda
5/3/2019 1:10:03 PM



#20
Methylene Chloride
Concen: 18.063 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 84 Resp: 90511
Ion Ratio Lower Upper
84 100
49 136.3 112.4 168.6
51 43.6 34.6 51.8
86 59.1 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.180 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

Tgt Ion: 96 Resp: 80814

Ion Ratio Lower Upper

96 100

61 151.3 126.2 189.4

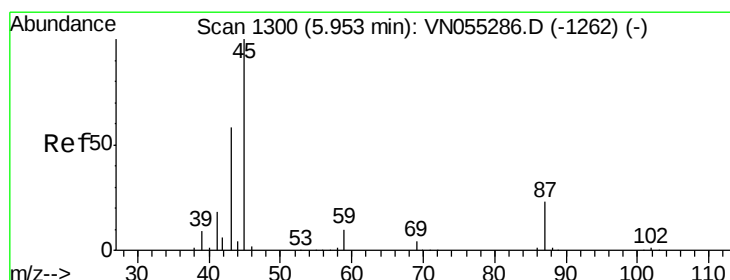
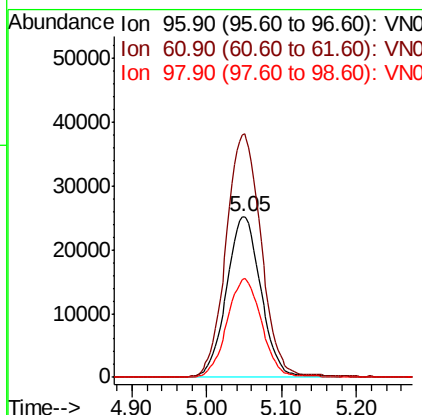
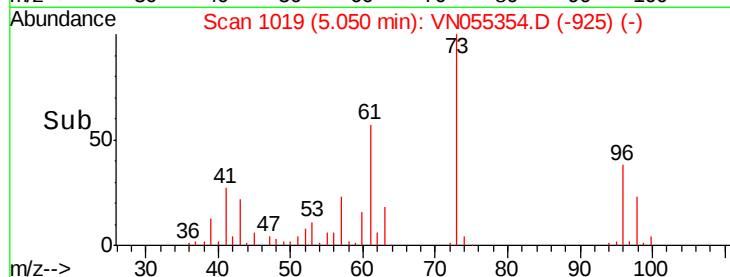
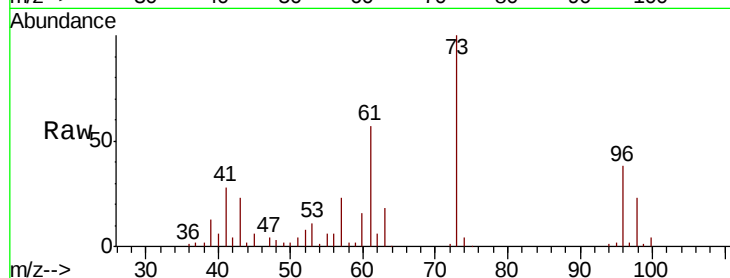
98 61.5 52.2 78.2

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#22

Diisopropyl ether

Concen: 20.919 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Tgt Ion: 45 Resp: 342474

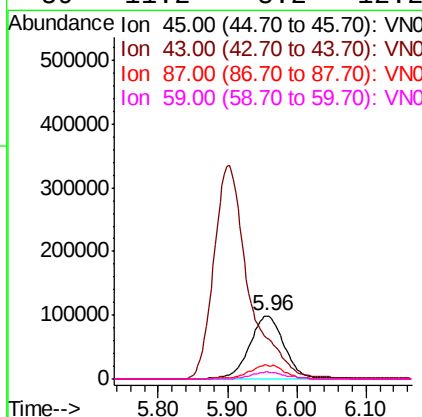
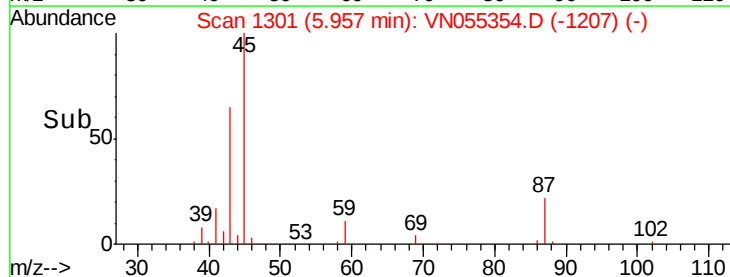
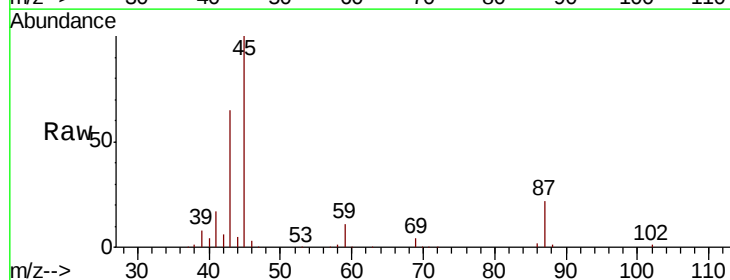
Ion Ratio Lower Upper

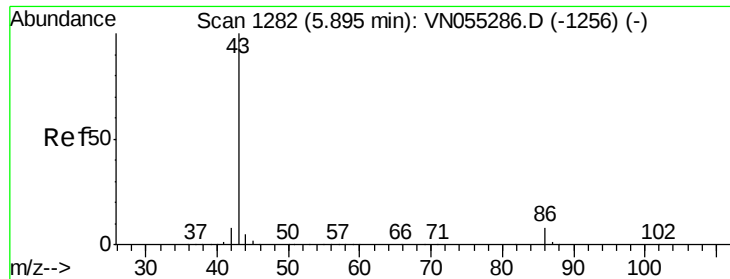
45 100

43 63.2 46.6 70.0

87 21.5 18.1 27.1

59 11.2 8.2 12.2





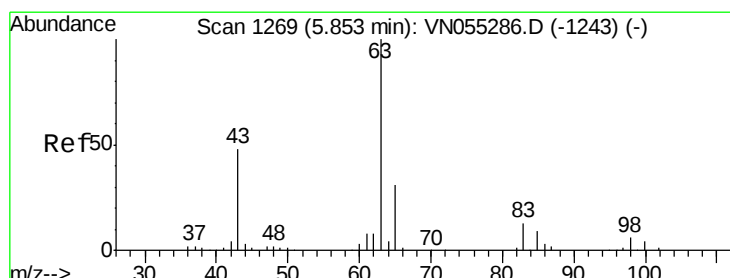
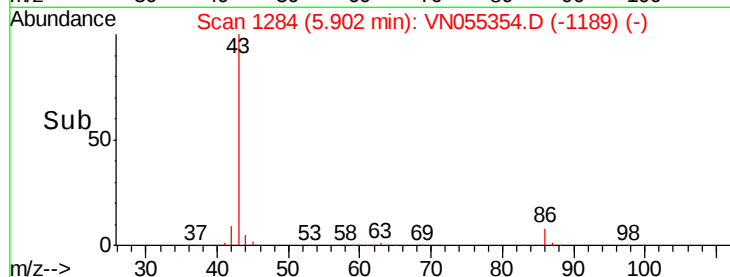
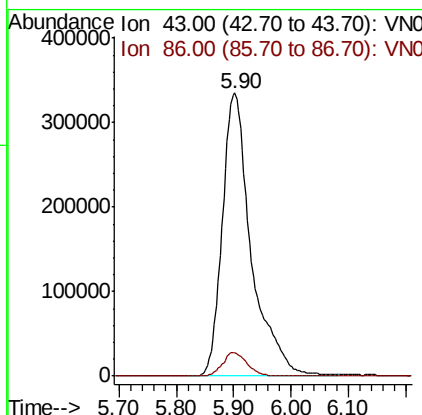
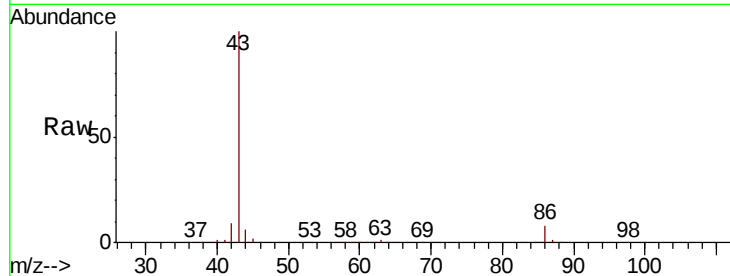
#23
 Vinyl Acetate
 Concen: 109.980 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tgt Ion: 43 Resp: 1180062
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0

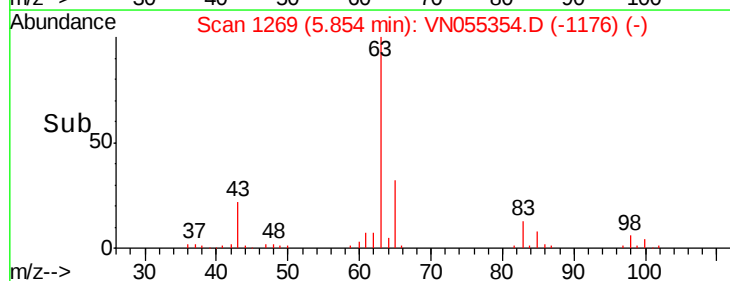
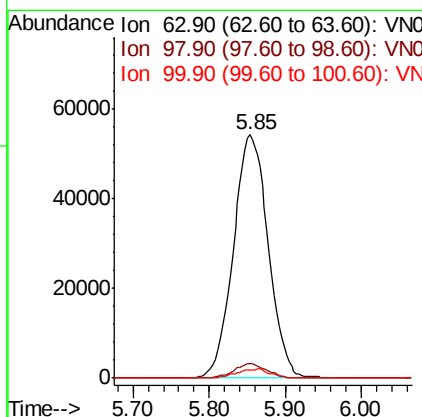
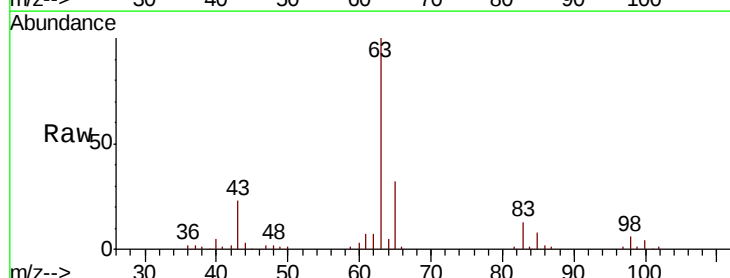
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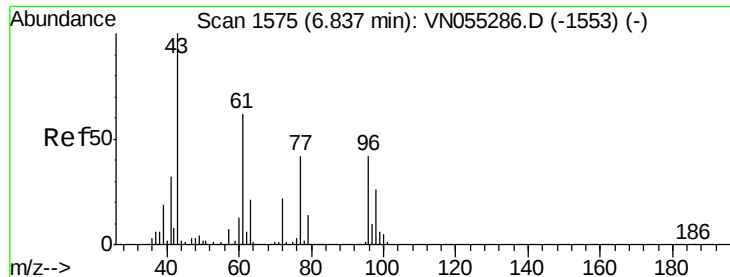
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.818 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 63 Resp: 172870
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.0
 100 3.5 1.8 5.4





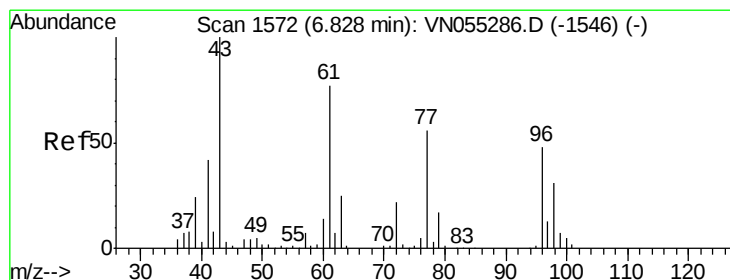
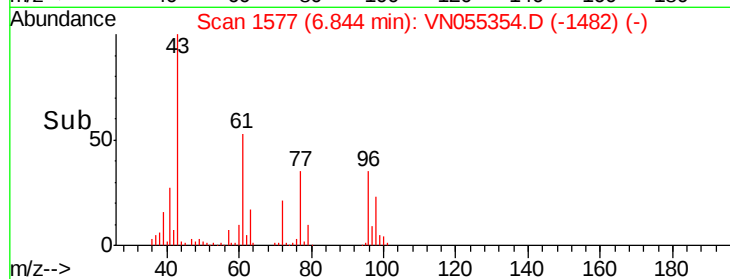
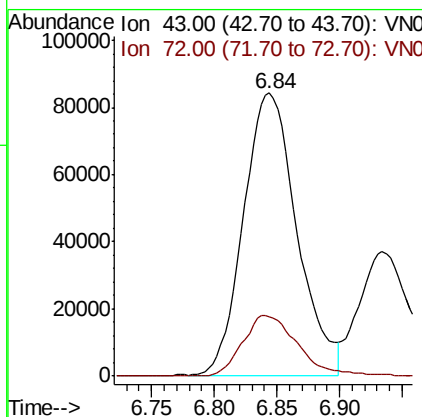
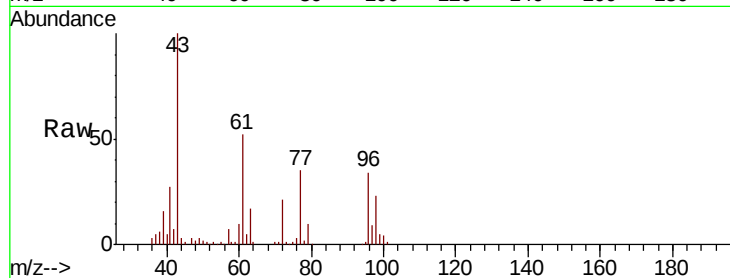
#25
2-Butanone
Concen: 118.509 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion: 43 Resp: 248808
Ion Ratio Lower Upper
43 100
72 21.3 18.0 27.0

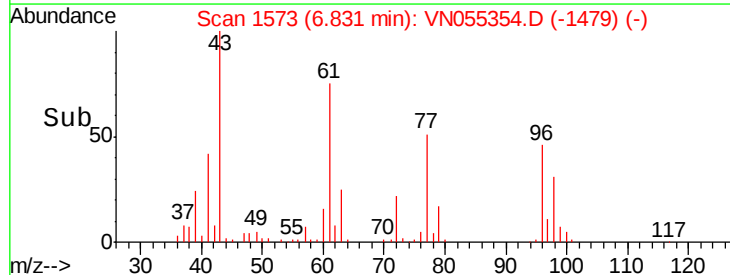
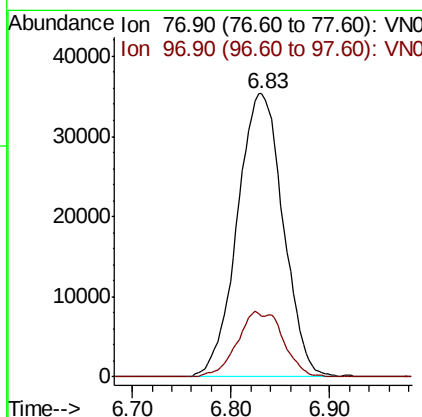
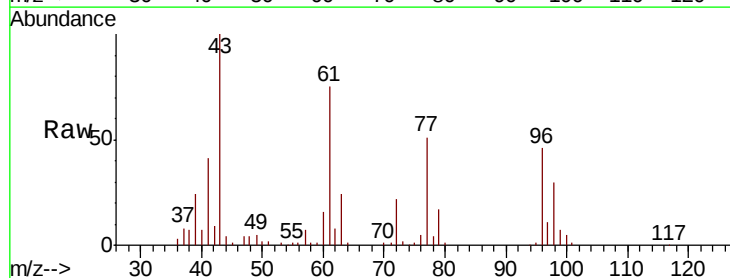
Manual Integrations
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5/3/2019 1:10:03 PM



#26
2,2-Dichloropropane
Concen: 18.856 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 77 Resp: 113581
Ion Ratio Lower Upper
77 100
97 13.9 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.763 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

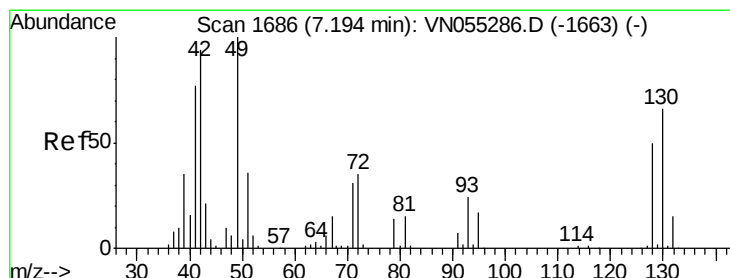
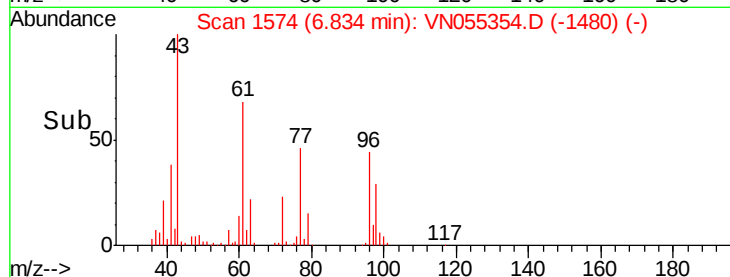
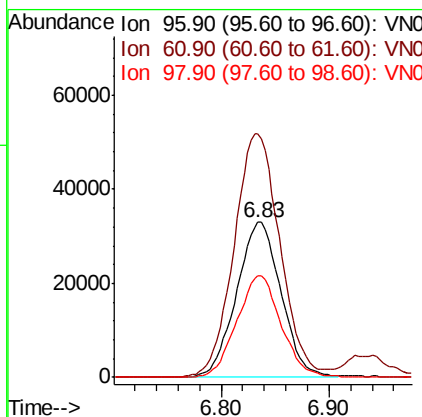
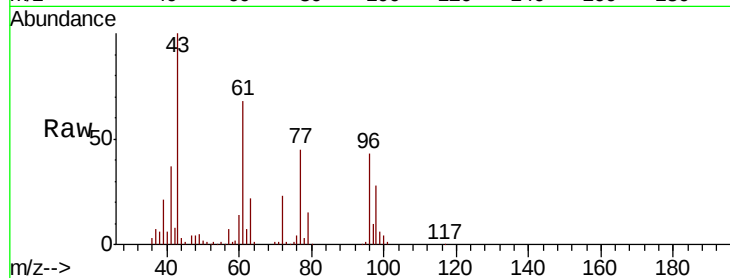
ClientSampleId :

VN0502MBS01

Tgt Ion:	96	Resp:	94695
Ion Ratio	Lower	Upper	
96	100		
61	161.8	0.0	316.2
98	65.1	0.0	126.6

Manual Integrations
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5/3/2019 1:10:03 PM



#28

Bromochloromethane

Concen: 19.777 ug/l

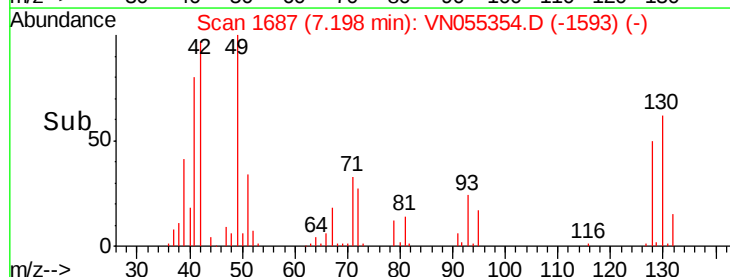
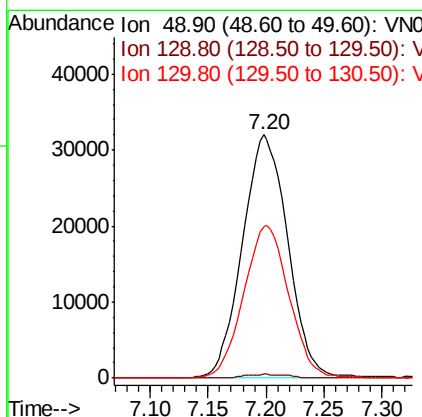
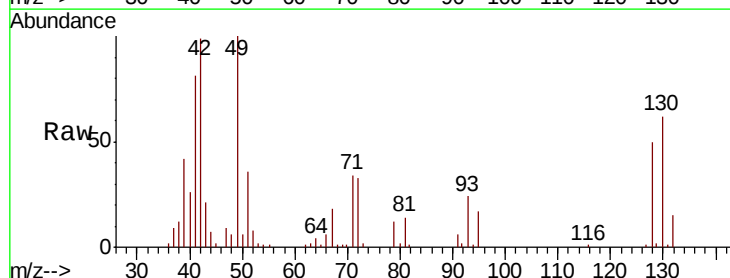
RT: 7.20 min Scan# 1687

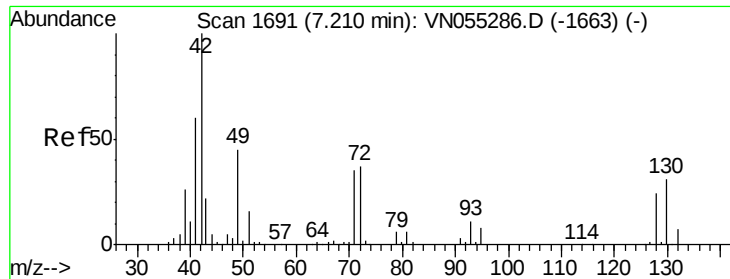
Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Tgt Ion:	49	Resp:	86959
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	2.4
130	62.8	52.0	78.0





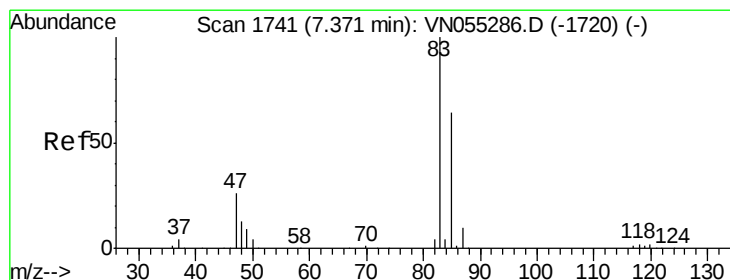
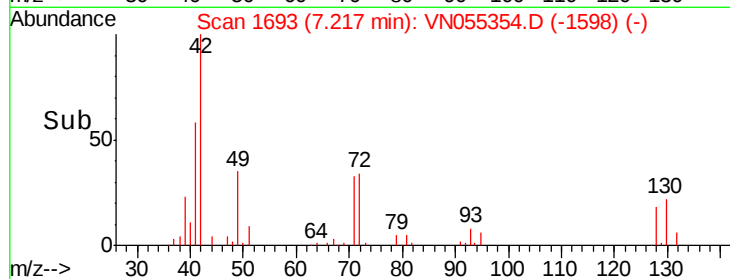
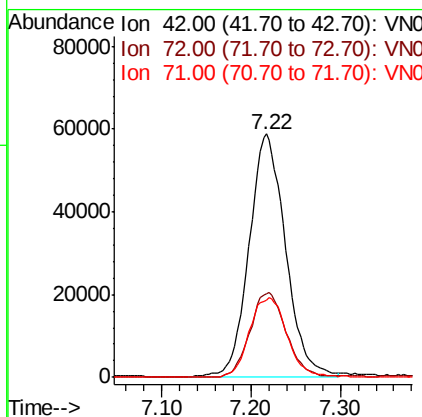
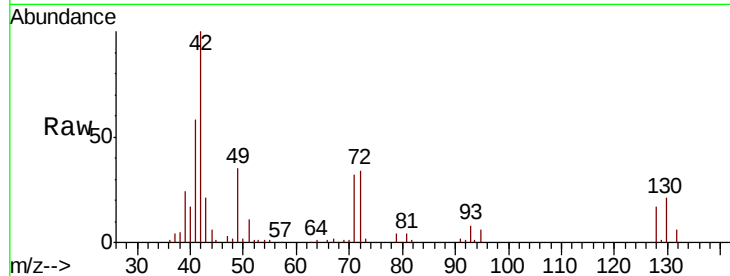
#29
Tetrahydrofuran
Concen: 123.813 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
42	100		
72	34.8	29.0	43.6
71	33.9	27.1	40.7

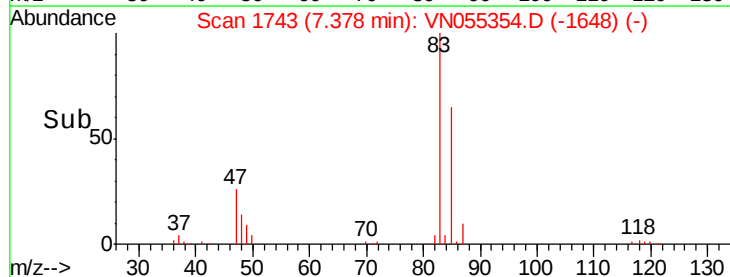
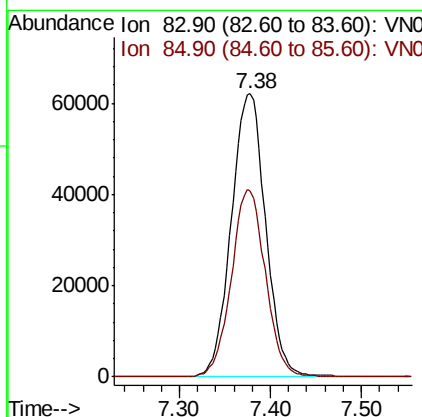
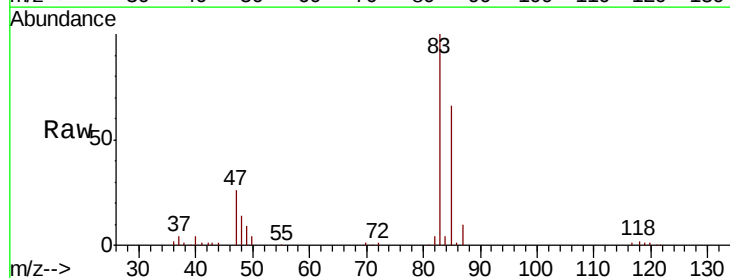
Manual Integrations
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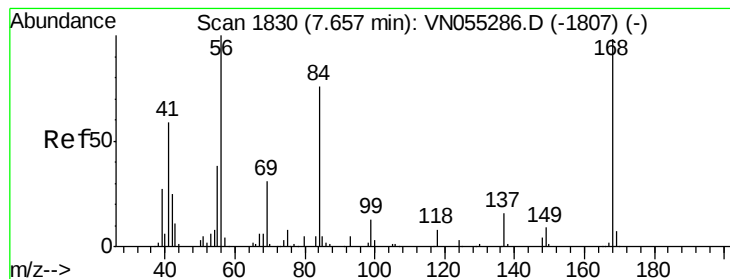
MMDadoda
5/3/2019 1:10:03 PM



#30
Chloroform
Concen: 19.677 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
85	65.8	51.4	77.2





#31

Cyclohexane

Concen: 18.397 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

Tgt Ion: 56 Resp: 152467
Ion Ratio Lower Upper

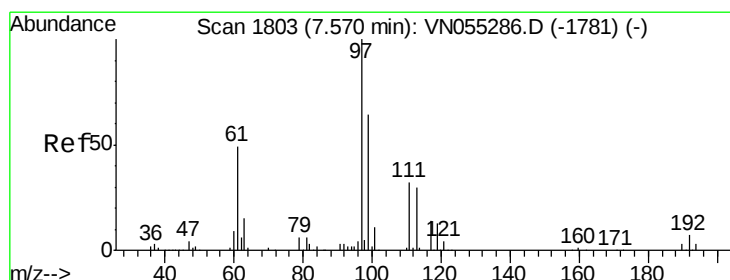
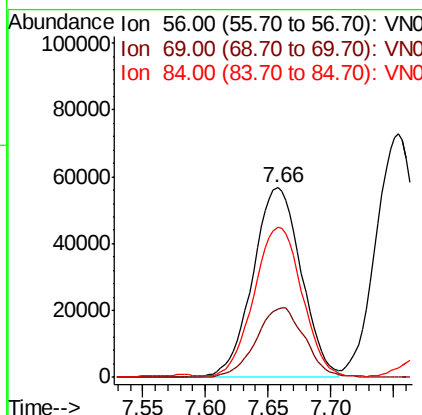
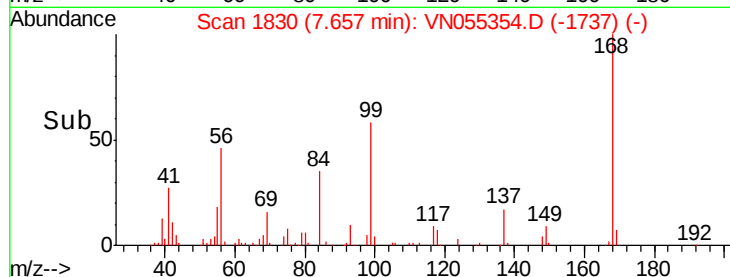
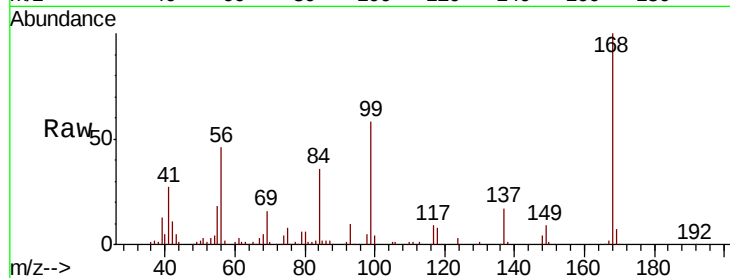
56 100

69 35.7 25.2 37.8

84 78.1 61.1 91.7

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#32

1,1,1-Trichloroethane

Concen: 19.412 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055354.D

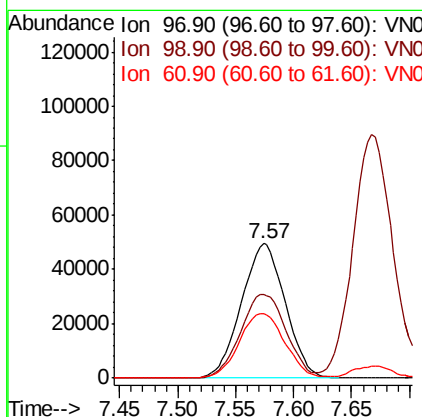
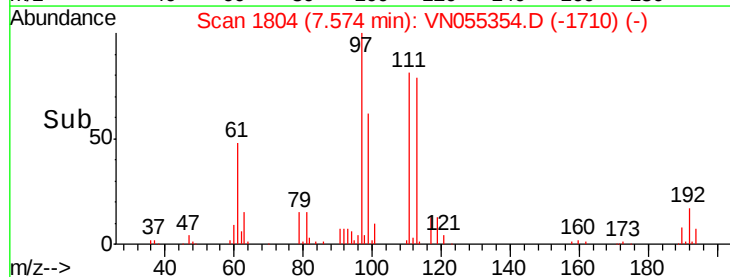
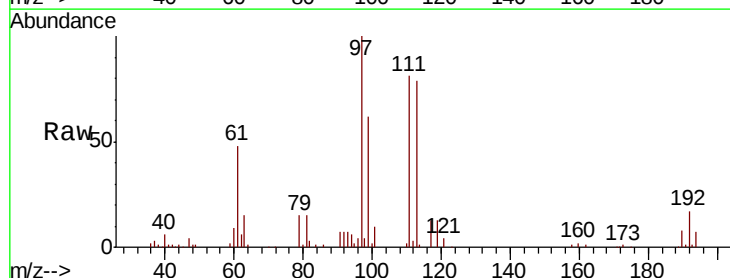
Acq: 2 May 2019 17:10

Tgt Ion: 97 Resp: 130275
Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.8

61 49.9 39.0 58.6





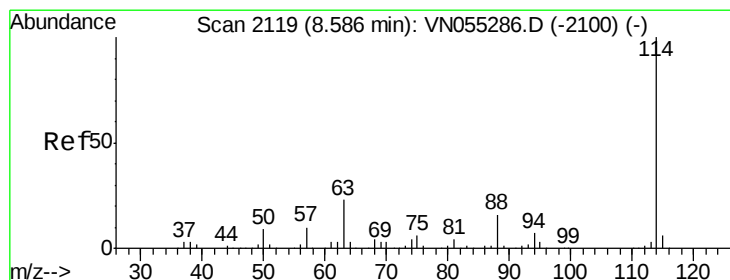
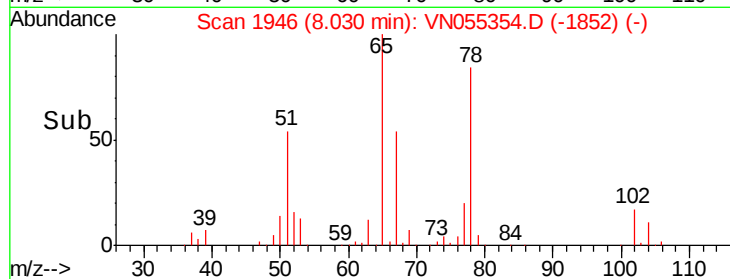
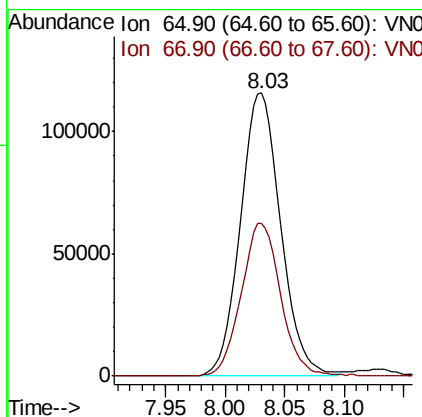
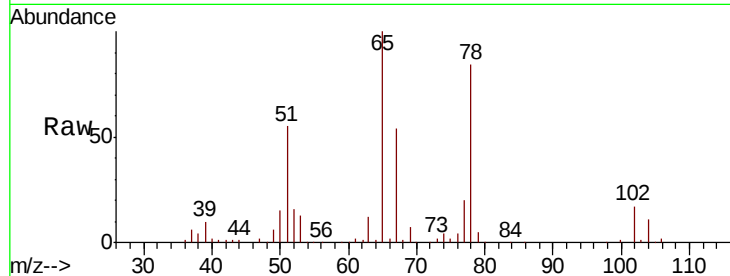
#33
 1,2-Dichloroethane-d4
 Concen: 51.565 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0502MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	271684		
67	52.8	0.0	106.8	

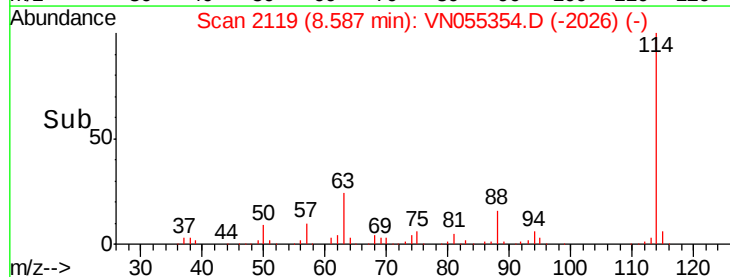
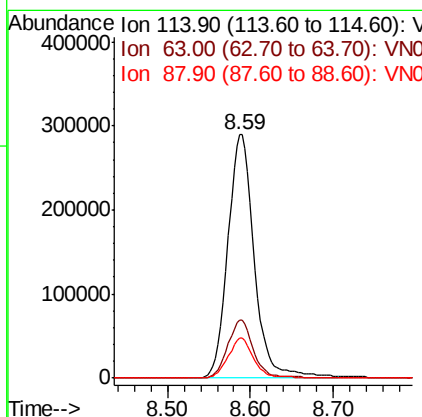
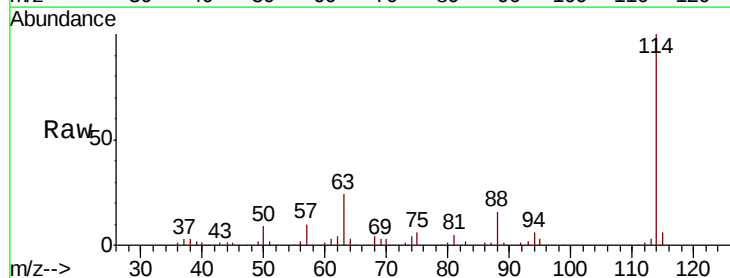
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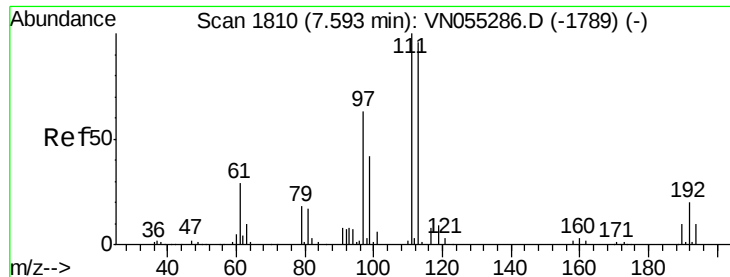
MMDadoda
 5/3/2019 1:10:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	643517		
63	24.0	0.0	45.2	
88	16.4	0.0	31.6	





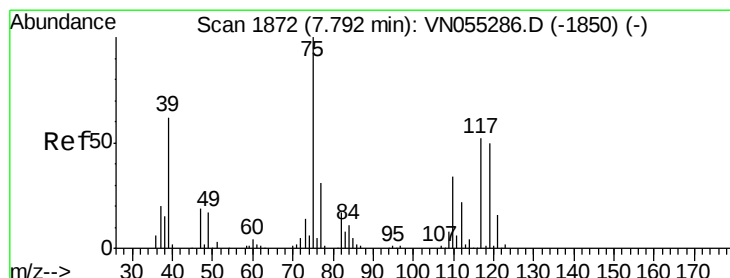
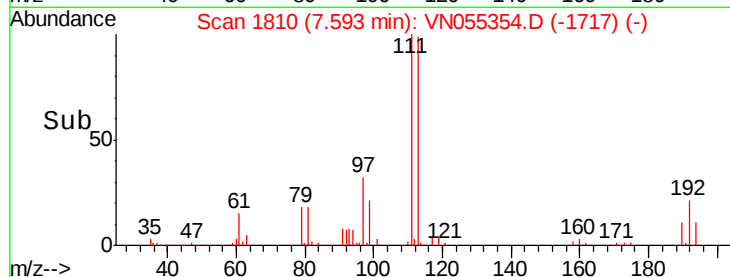
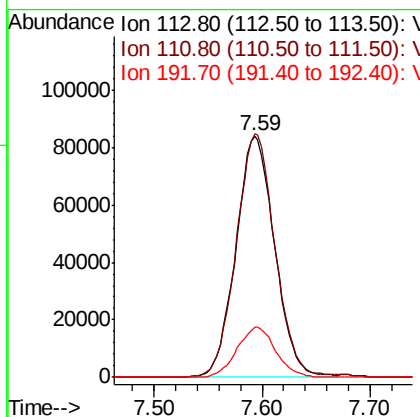
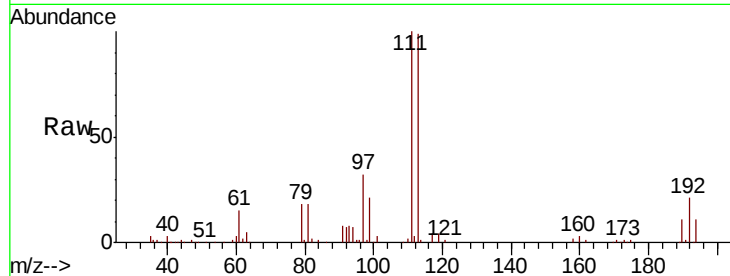
#35
 Dibromofluoromethane
 Concen: 49.679 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	209835		
111	100.9	82.3	123.5	
192	20.7	17.0	25.6	

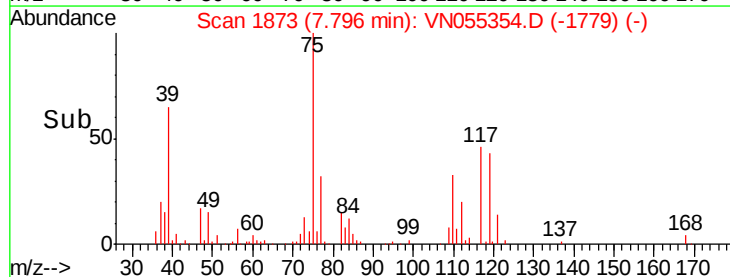
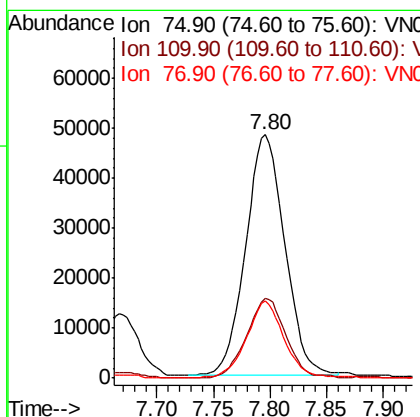
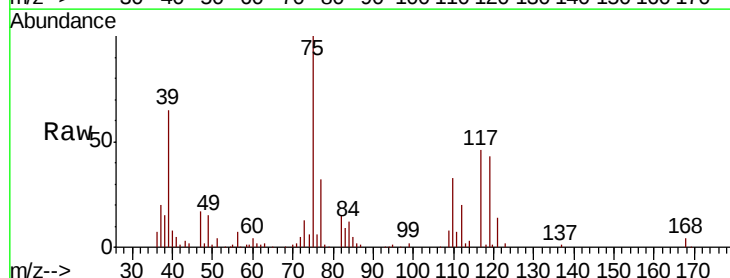
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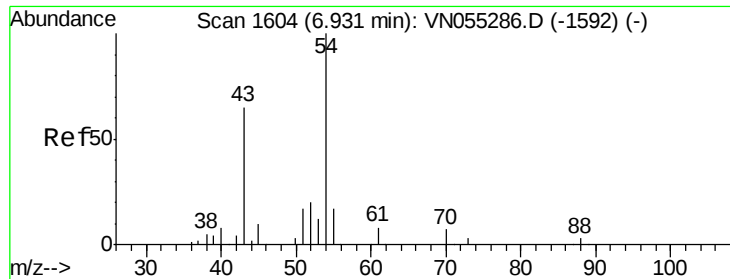
MMDadoda
 5/3/2019 1:10:03 PM



#36
 1,1-Dichloropropene
 Concen: 18.897 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	116477		
110	32.6	16.8	50.4	
77	30.7	25.0	37.6	





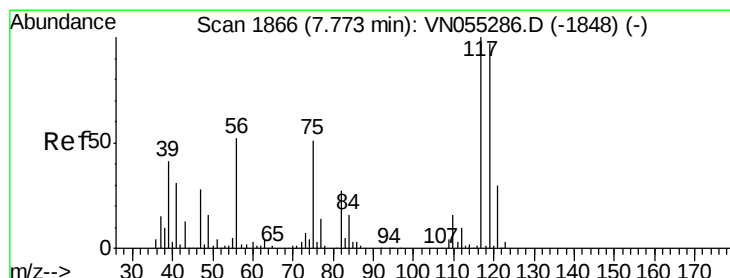
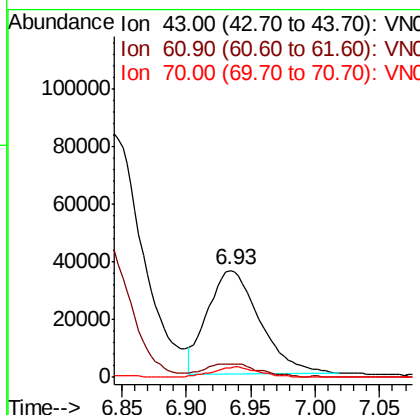
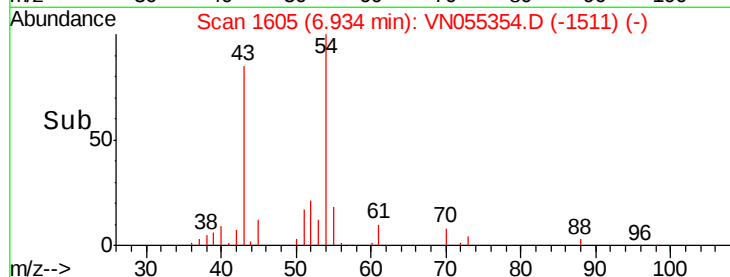
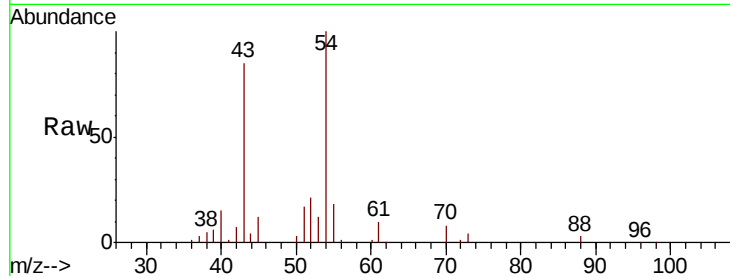
#37
Ethyl Acetate
 Concen: 21.516 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0502MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	9.2	6.6	10.0

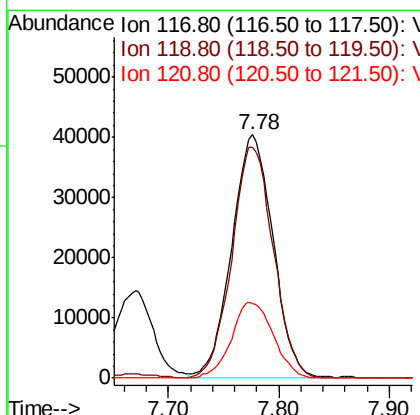
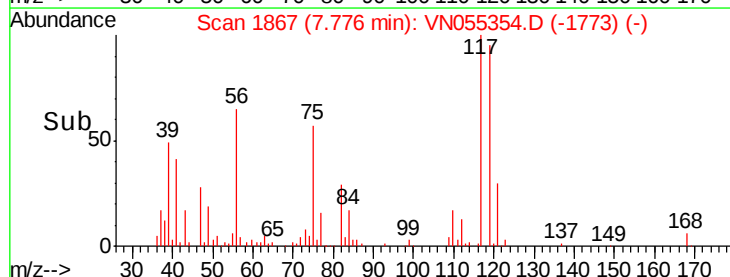
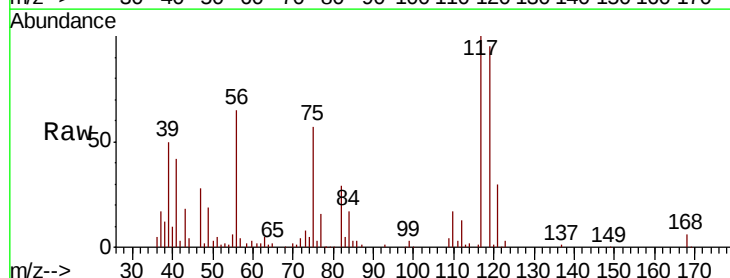
Manual Integrations
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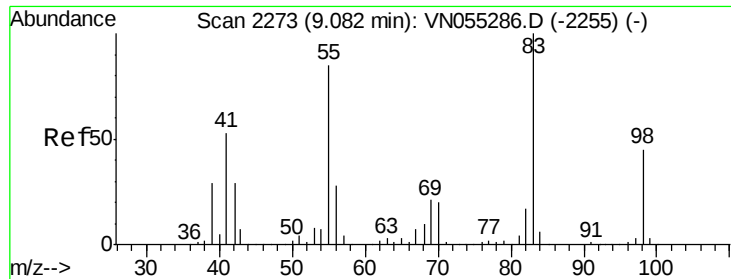
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 5/3/2019 1:10:03 PM



#38
Carbon Tetrachloride
 Concen: 17.671 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.0	115.6
121	30.5	23.8	35.8





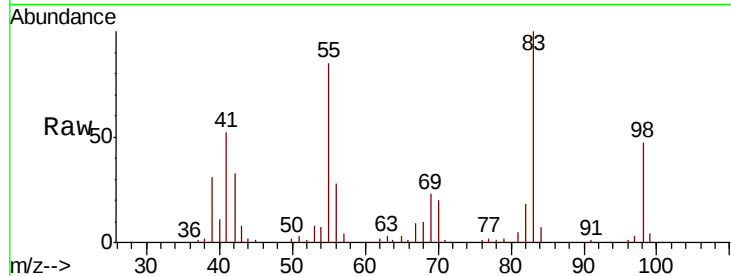
#39
Methylcyclohexane
Concen: 18.076 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	118460		
55	84.9	67.8	101.6	
98	46.6	36.2	54.4	

Manual Integrations
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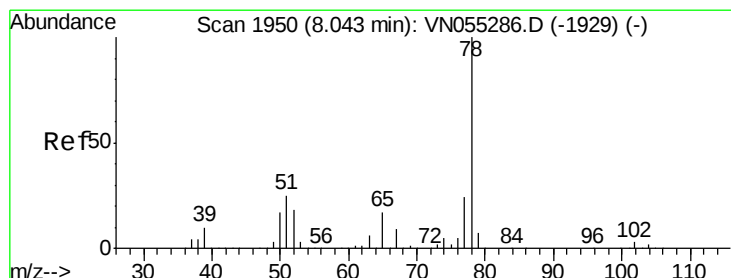
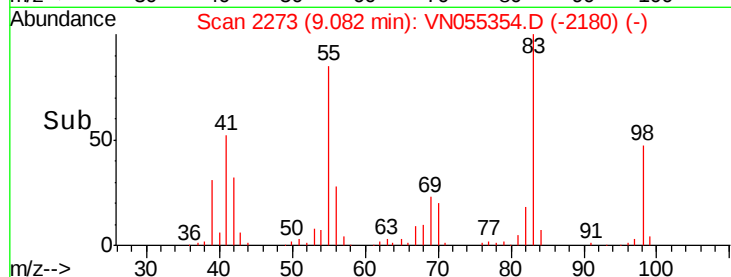
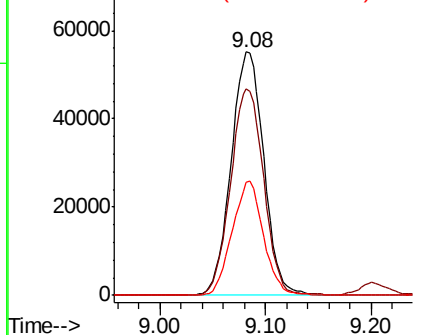


Abundance

Ion 83.00 (82.70 to 83.70): VN0

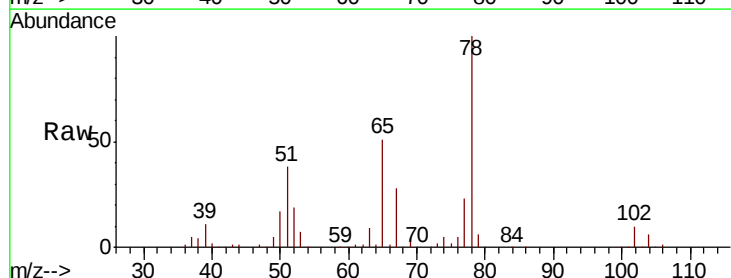
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 19.856 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

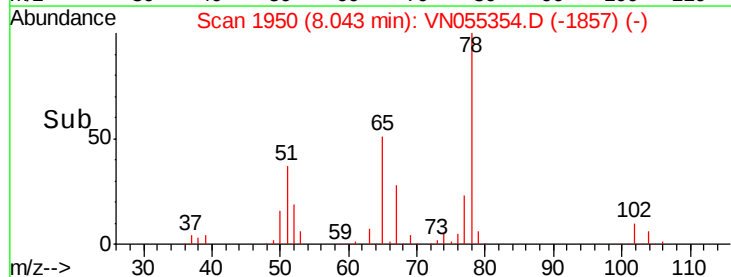
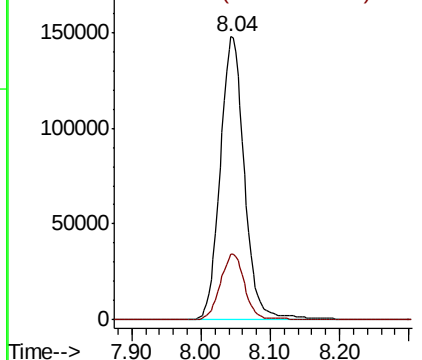
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	360795		
77	23.3	19.0	28.6	

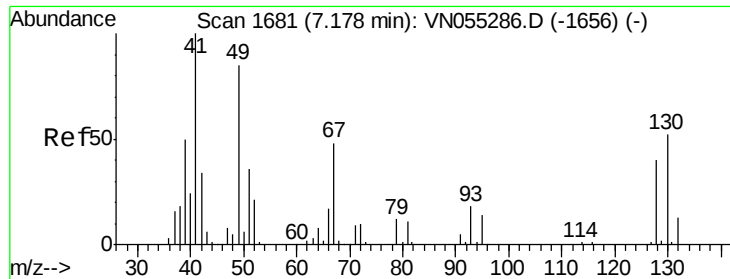


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





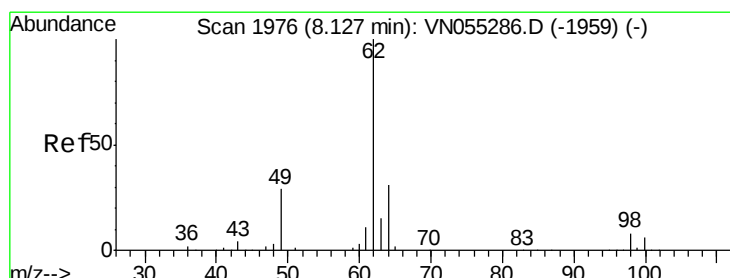
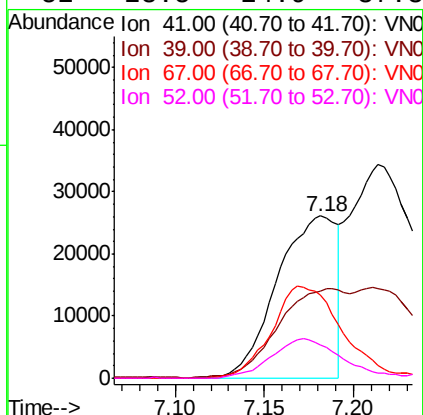
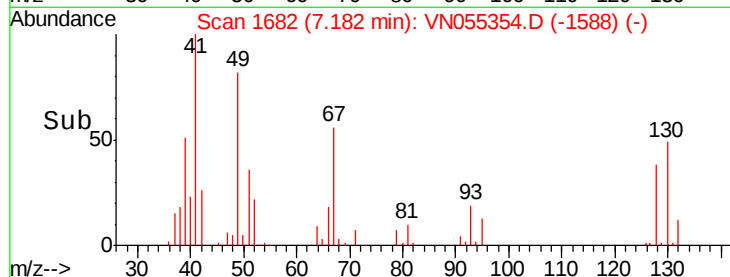
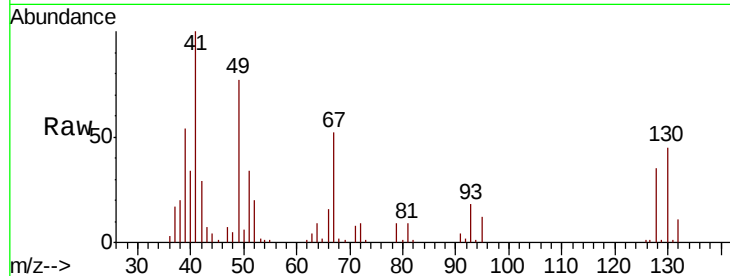
#41
Methacrylonitrile
Concen: 24.183 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.8	48.5	72.7
67	68.3	54.9	82.3
52	28.5	24.9	37.3

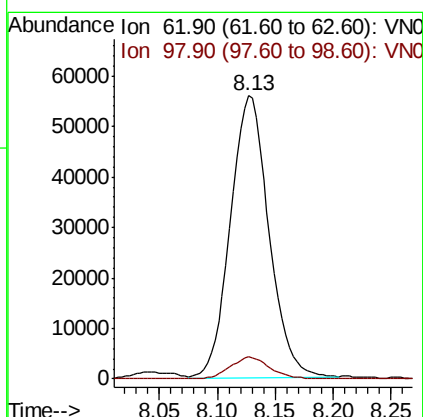
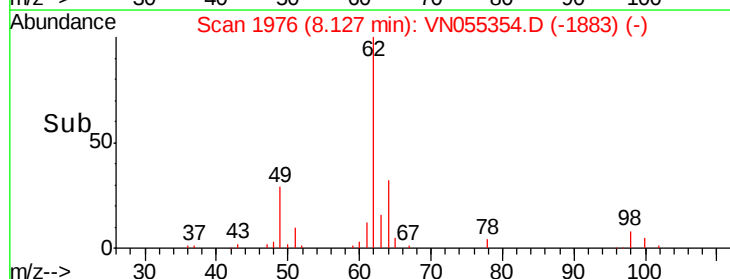
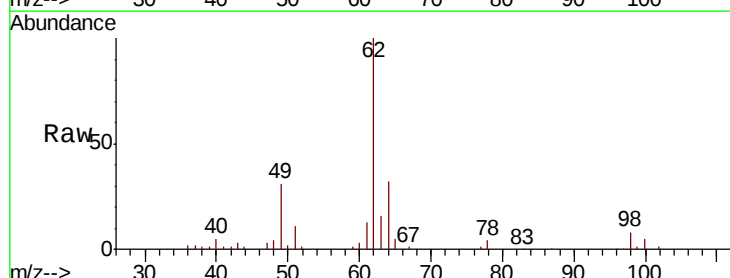
Manual Integrations
APPROVED

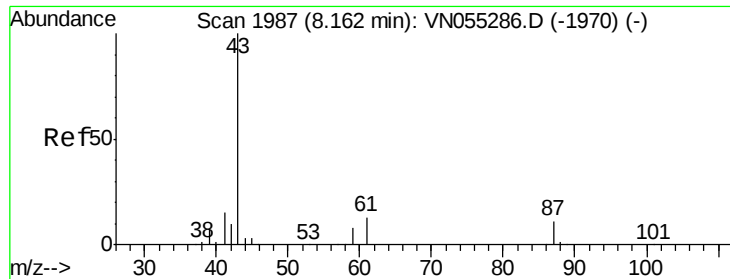
MMDadoda
5/3/2019 1:10:03 PM



#42
1,2-Dichloroethane
Concen: 19.938 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.4





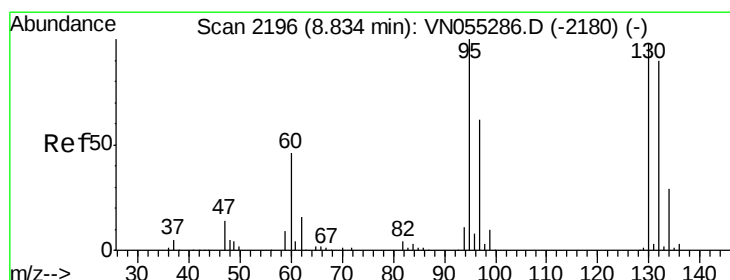
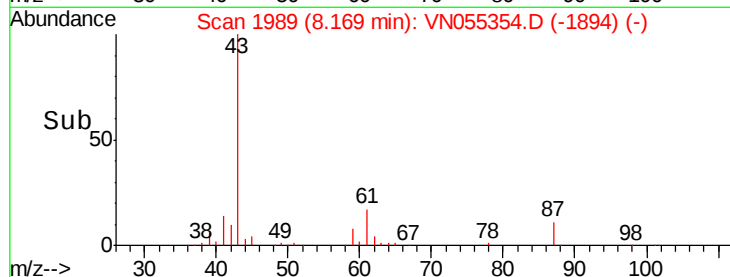
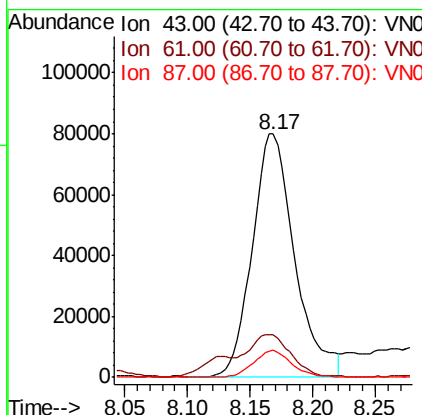
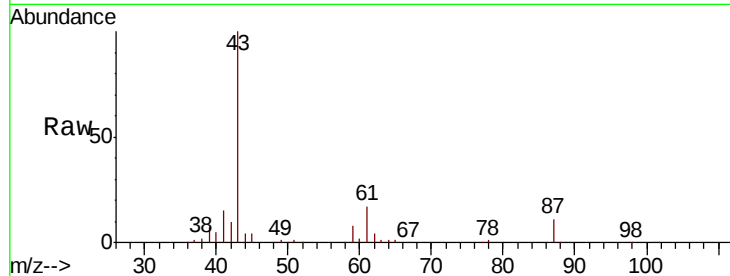
#43
Isopropyl Acetate
Concen: 24.689 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.1	20.8	31.2#
87	10.0	8.5	12.7

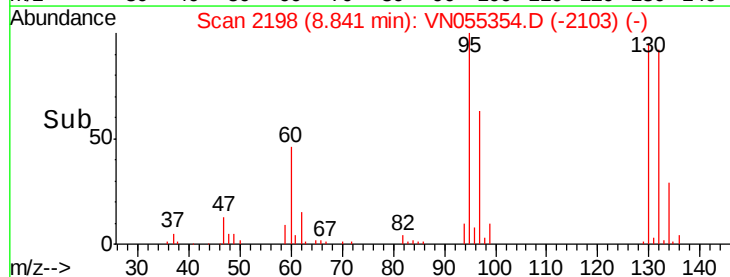
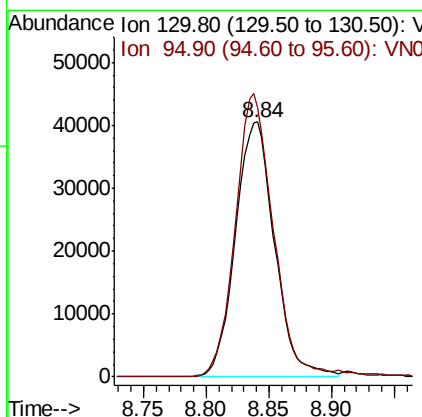
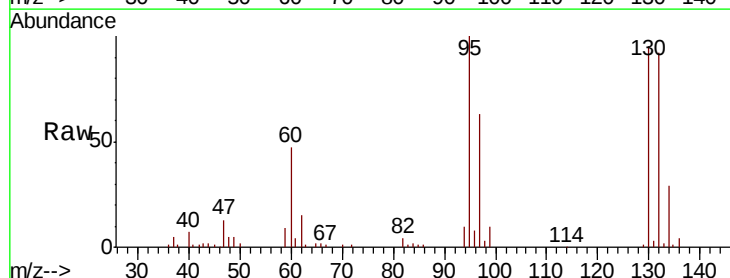
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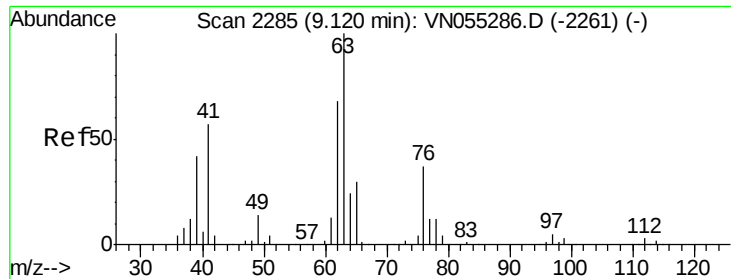
MMDadoda
5/3/2019 1:10:03 PM



#44
Trichloroethene
Concen: 18.973 ug/l
RT: 8.84 min Scan# 2198
Delta R.T. 0.01 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	203.4





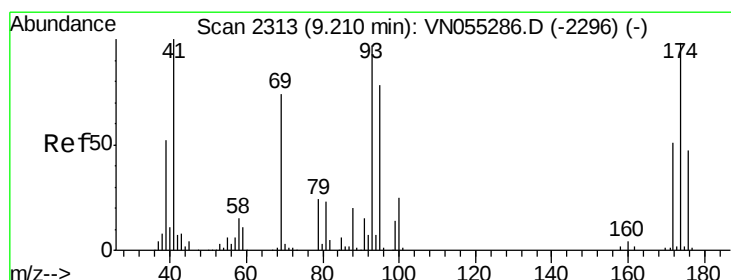
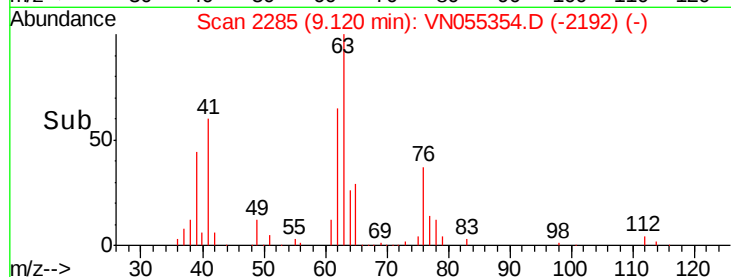
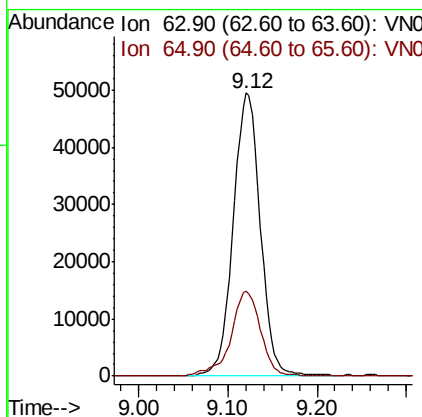
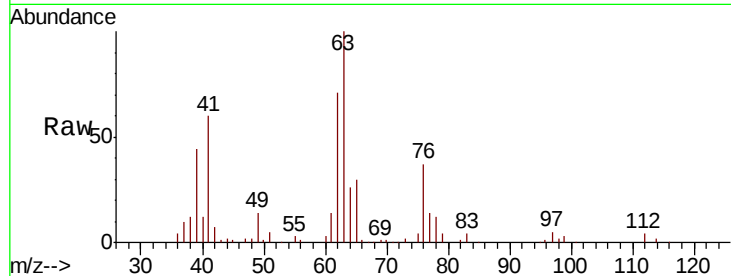
#45
 1,2-Dichloropropane
 Concen: 19.954 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0502MBS01

Tgt Ion: 63 Resp: 104575
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.9 35.9

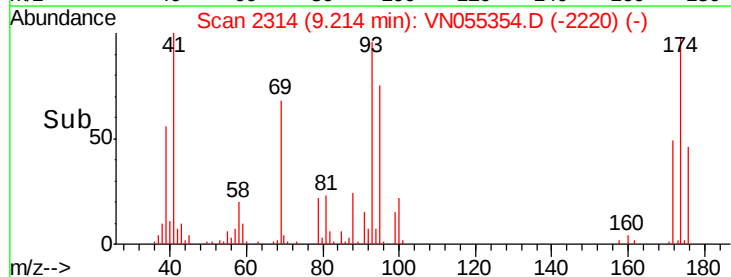
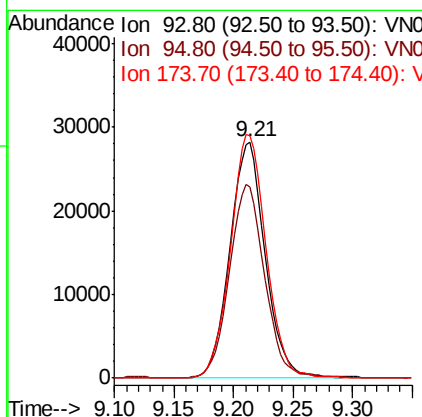
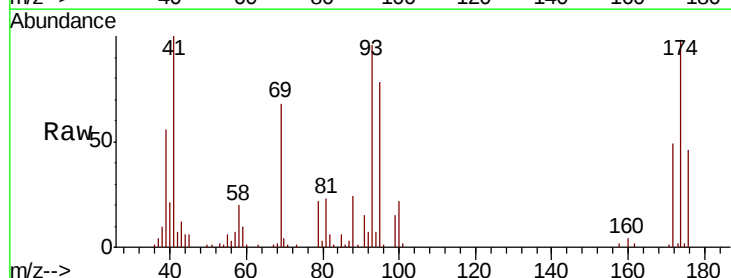
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#46
 Dibromomethane
 Concen: 20.212 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 93 Resp: 57901
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.7 98.5
 174 103.9 81.5 122.3





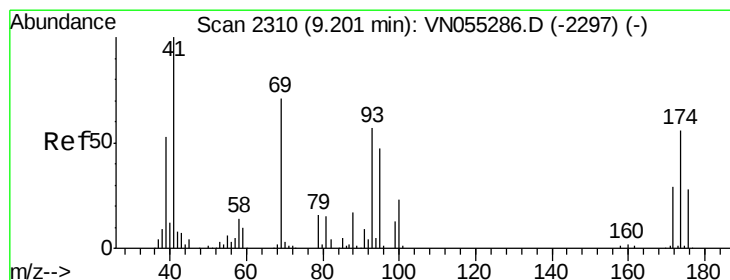
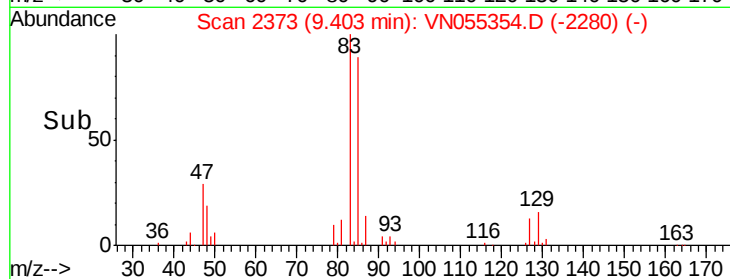
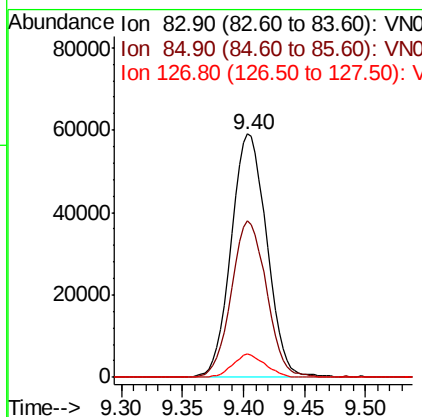
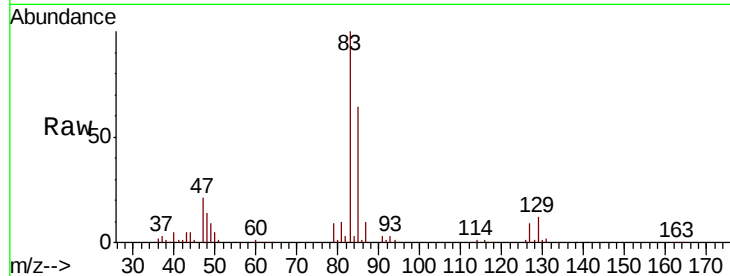
#47
 Bromodichloromethane
 Concen: 19.488 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	119762		
85	64.2	50.1	75.1	
127	9.4	6.7	10.1	

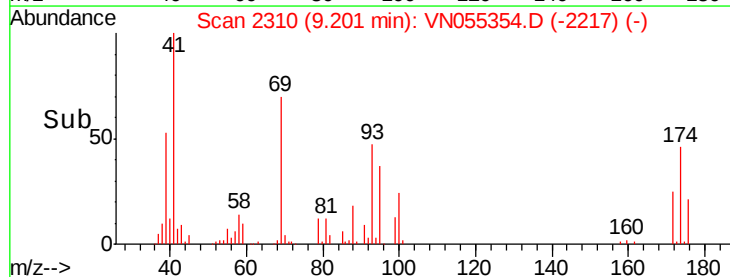
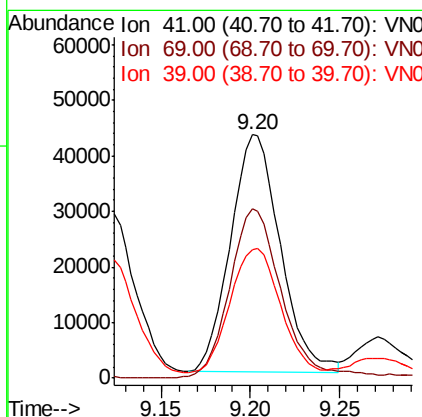
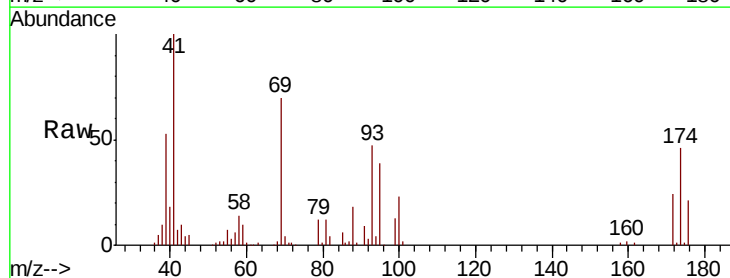
Manual Integrations
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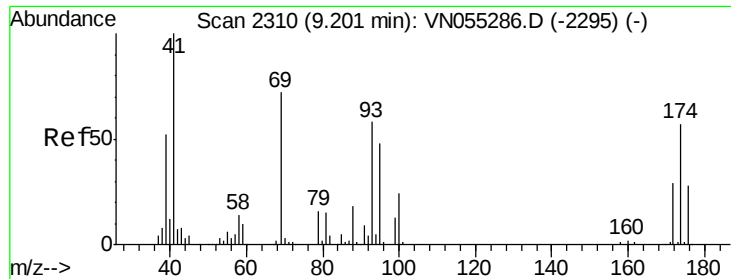
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#48
 Methyl methacrylate
 Concen: 22.358 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	83444		
69	74.3	58.6	87.8	
39	55.8	43.8	65.6	





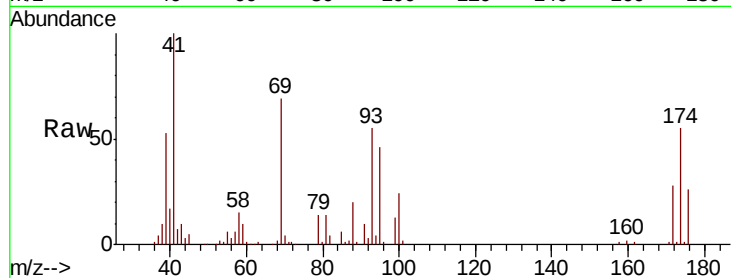
#49
1,4-Dioxane
Concen: 468.468 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

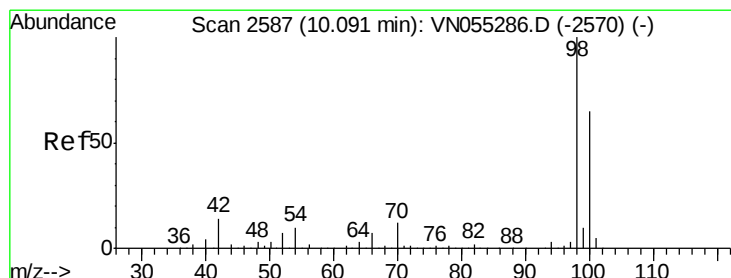
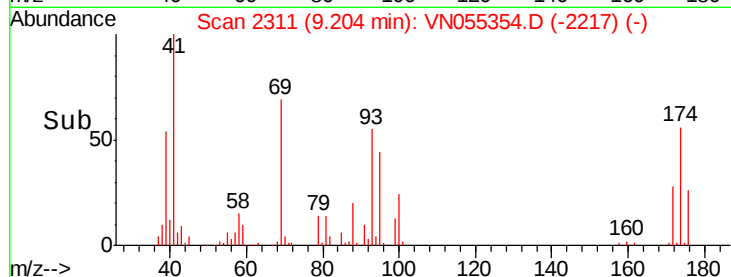
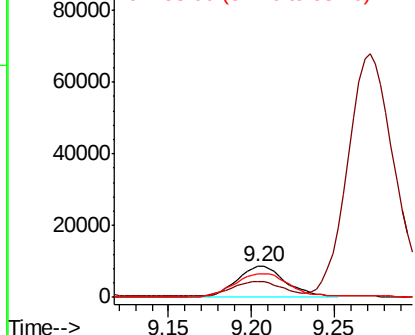
Tgt Ion: 88 Resp: 18074
Ion Ratio Lower Upper
88 100
43 45.1 33.3 49.9
58 84.8 62.7 94.1

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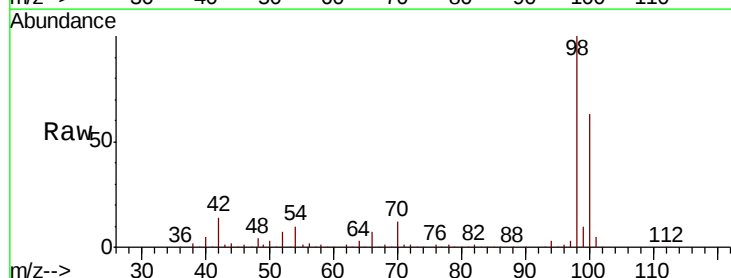


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

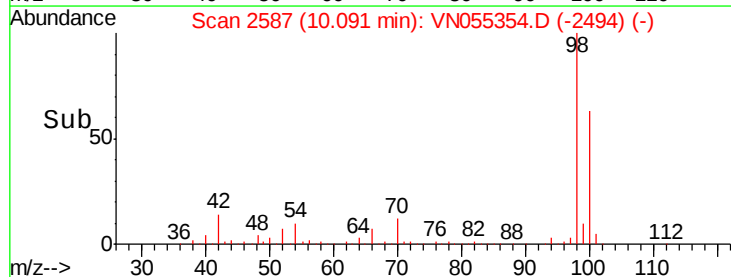
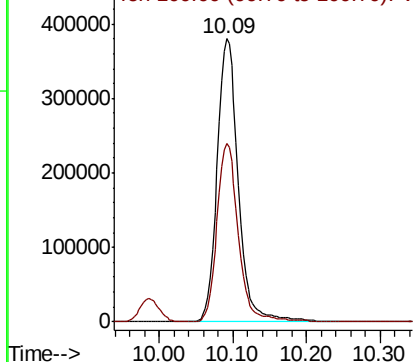


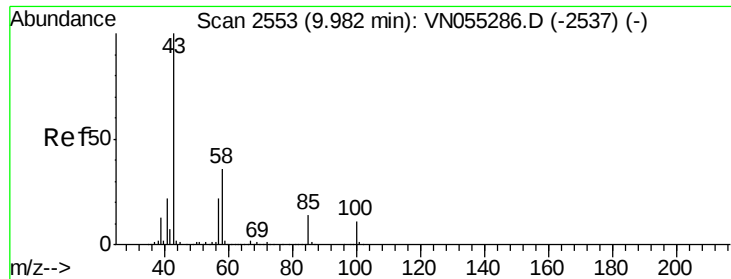
#50
Toluene-d8
Concen: 49.628 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 98 Resp: 756914
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





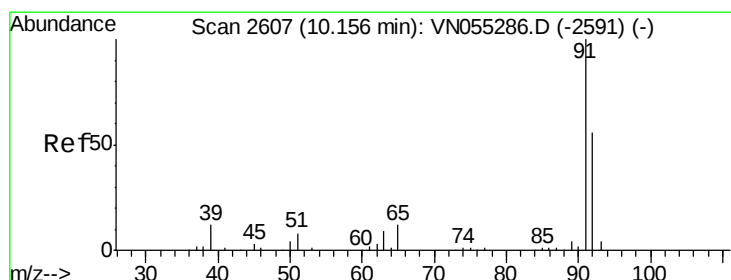
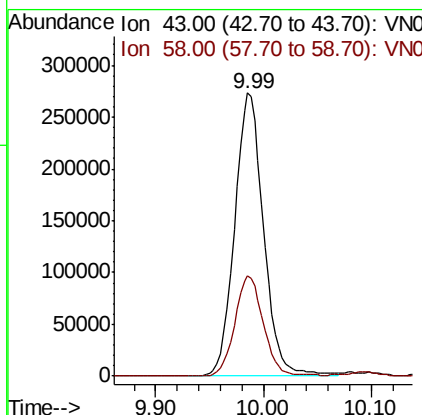
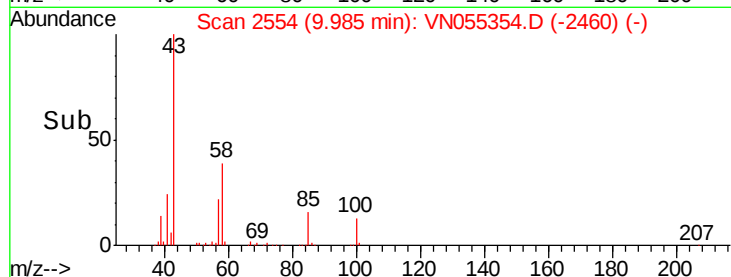
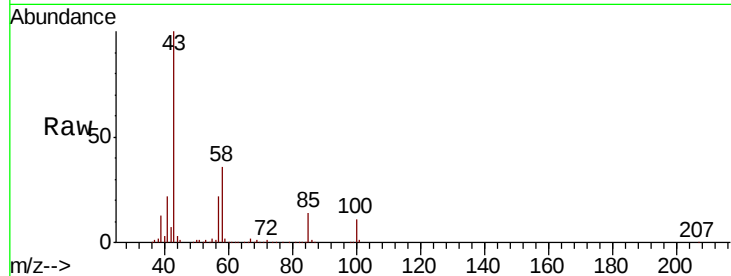
#51
4-Methyl-2-Pentanone
Concen: 118.704 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion: 43 Resp: 507383
Ion Ratio Lower Upper
43 100
58 35.1 28.5 42.7

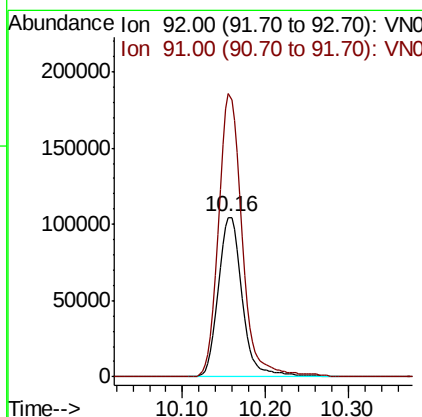
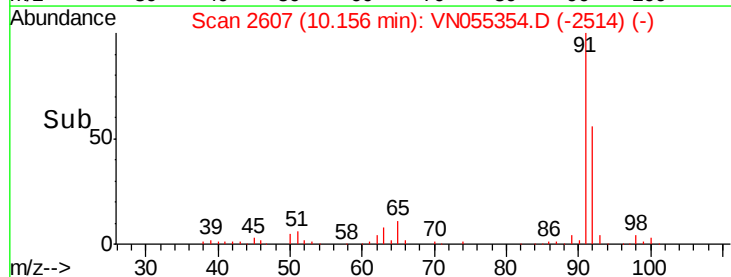
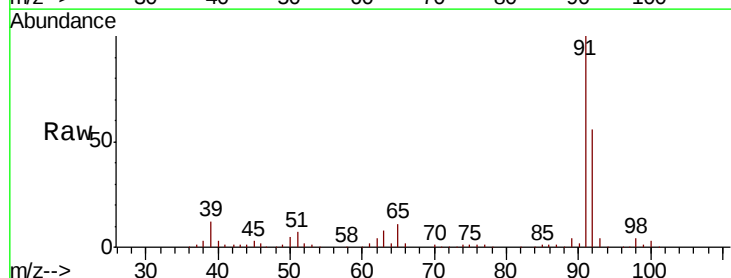
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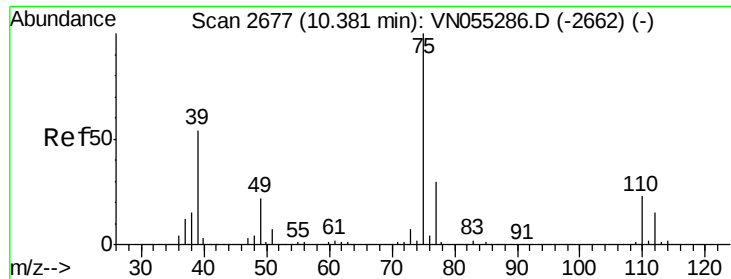
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#52
Toluene
Concen: 20.110 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 92 Resp: 209663
Ion Ratio Lower Upper
92 100
91 174.3 140.1 210.1





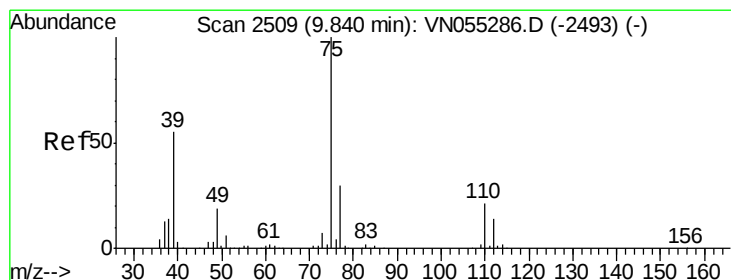
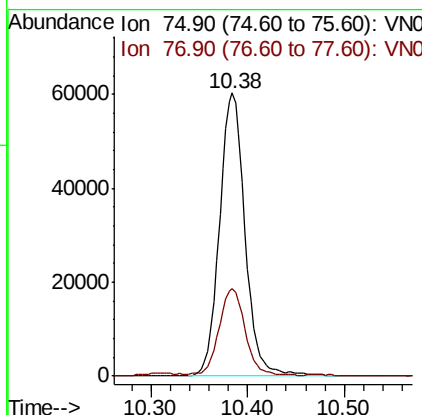
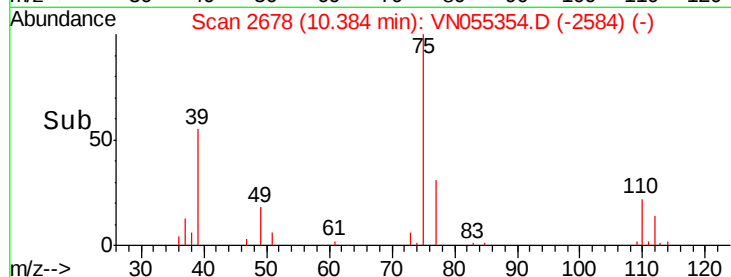
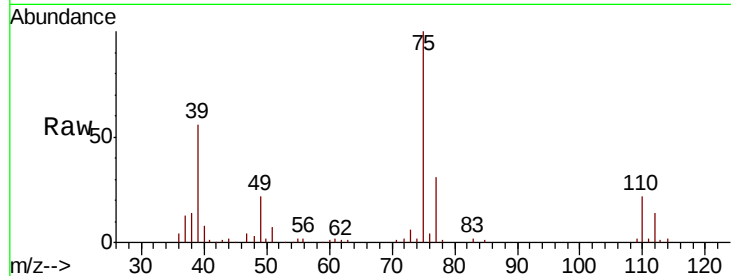
#53
t-1,3-Dichloropropene
Concen: 20.700 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion: 75 Resp: 110430
Ion Ratio Lower Upper
75 100
77 30.8 24.4 36.6

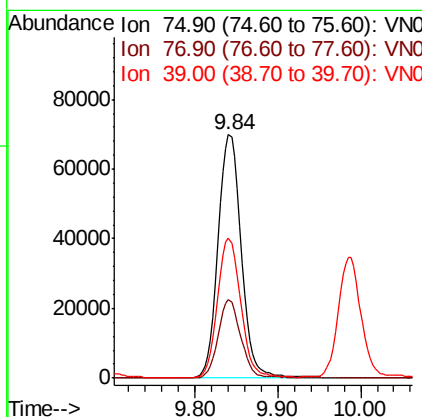
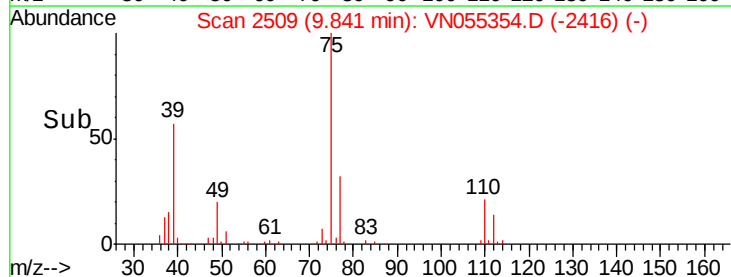
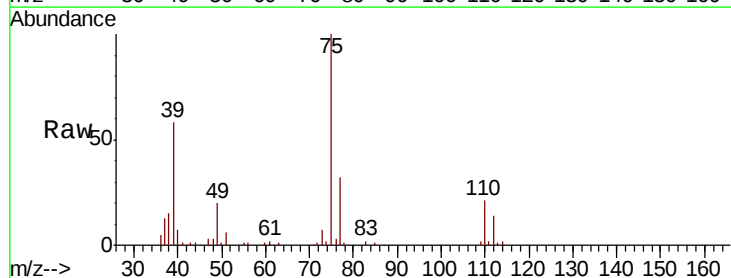
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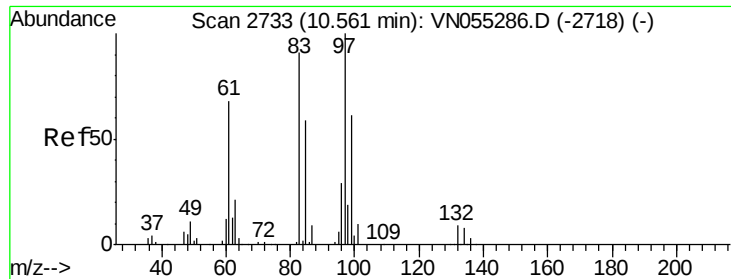
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#54
cis-1,3-Dichloropropene
Concen: 20.409 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 75 Resp: 135754
Ion Ratio Lower Upper
75 100
77 32.2 24.2 36.2
39 57.3 44.2 66.2





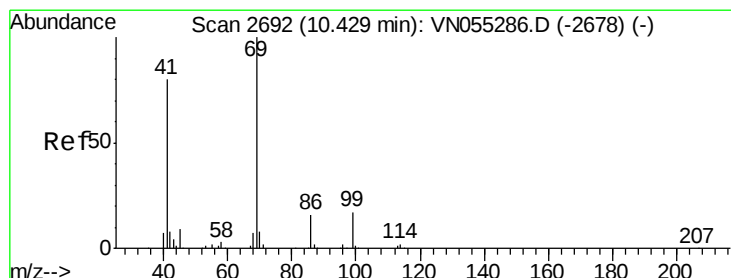
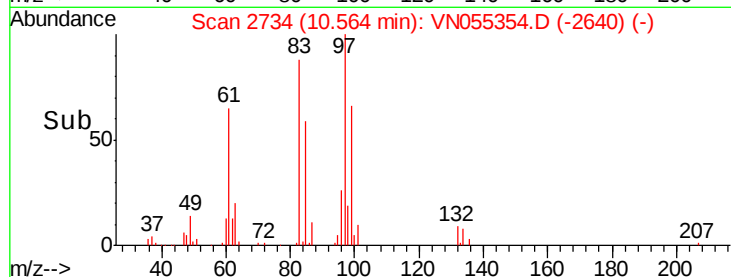
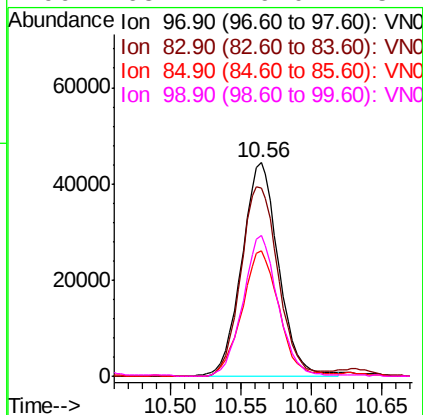
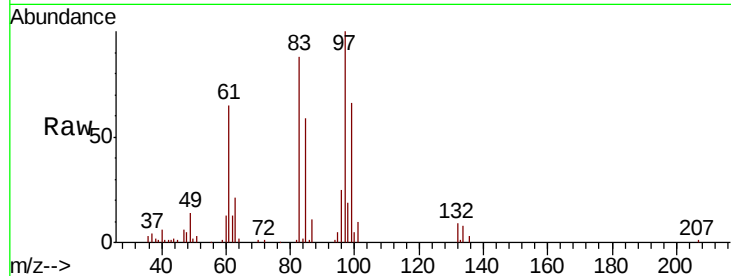
#55
 1,1,2-Trichloroethane
 Concen: 20.974 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0502MBS01

Tgt Ion:	97	Resp:	81201
Ion	Ratio	Lower	Upper
97	100		
83	87.8	72.8	109.2
85	58.9	47.0	70.6
99	65.7	49.0	73.4

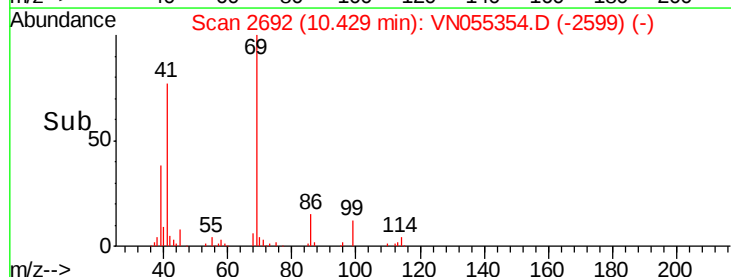
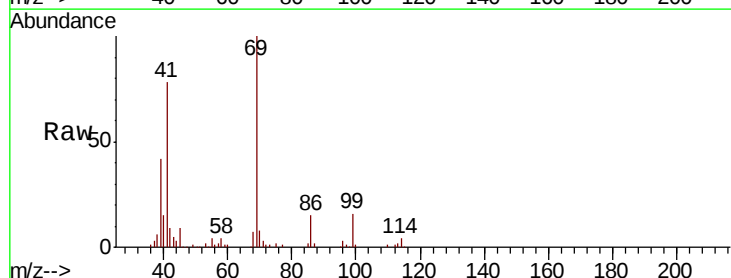
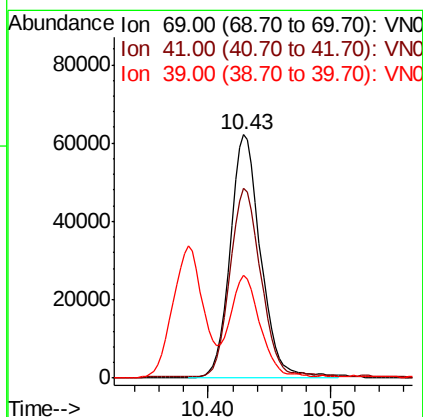
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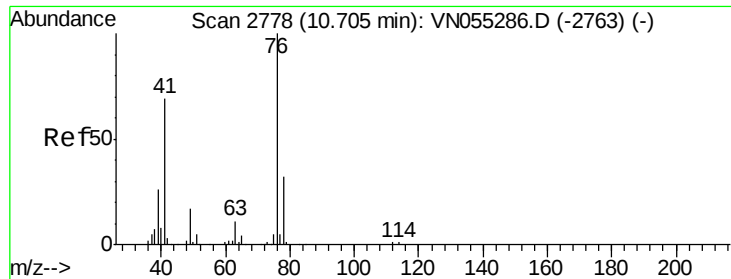
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#56
 Ethyl methacrylate
 Concen: 22.733 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion:	69	Resp:	108327
Ion	Ratio	Lower	Upper
69	100		
41	78.5	62.7	94.1
39	41.2	32.0	48.0





#57

1,3-Dichloropropane

Concen: 21.105 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

Tgt Ion: 76 Resp: 143343

Ion Ratio Lower Upper

76 100

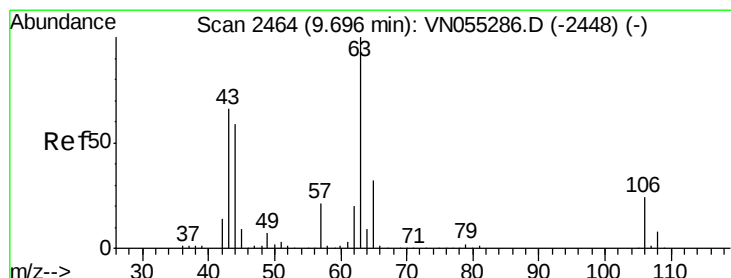
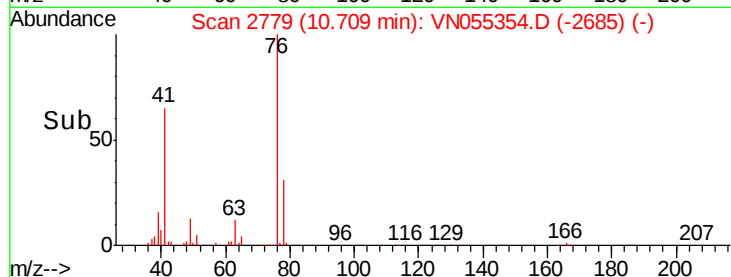
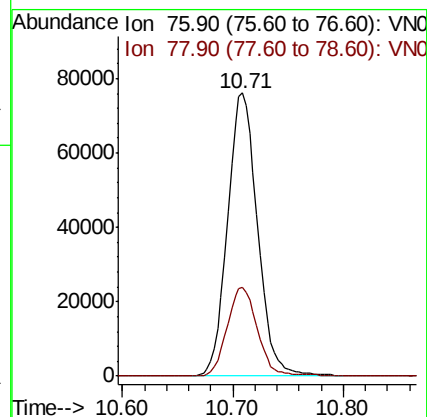
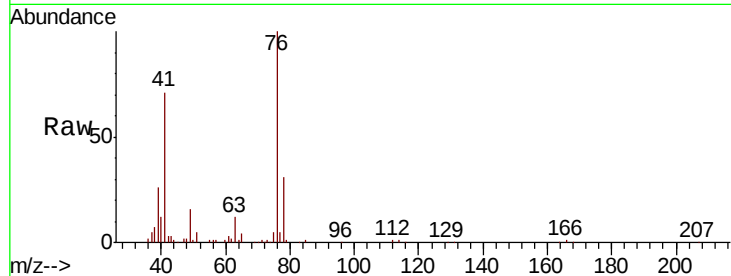
78 31.5 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 92.831 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055354.D

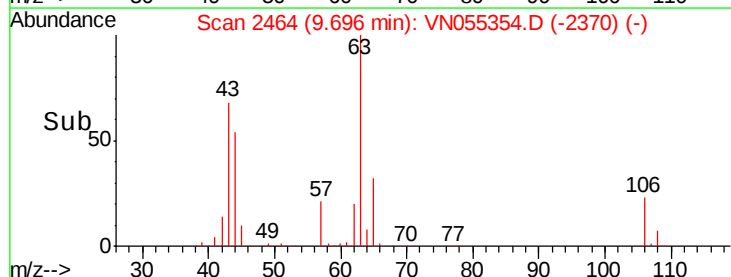
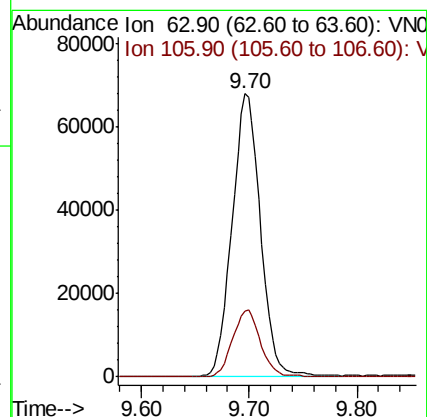
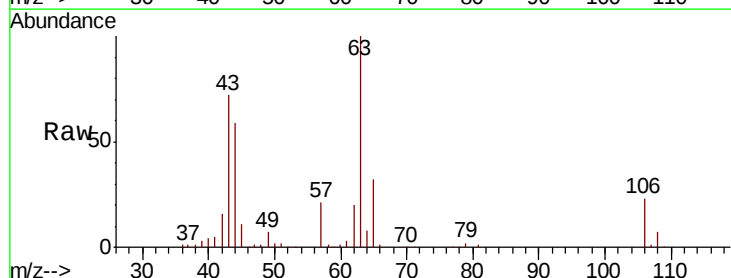
Acq: 2 May 2019 17:10

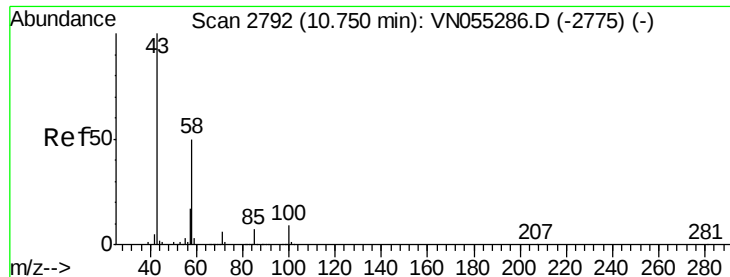
Tgt Ion: 63 Resp: 125151

Ion Ratio Lower Upper

63 100

106 22.9 19.0 28.4





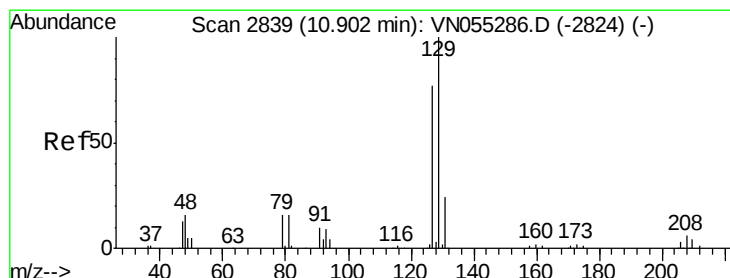
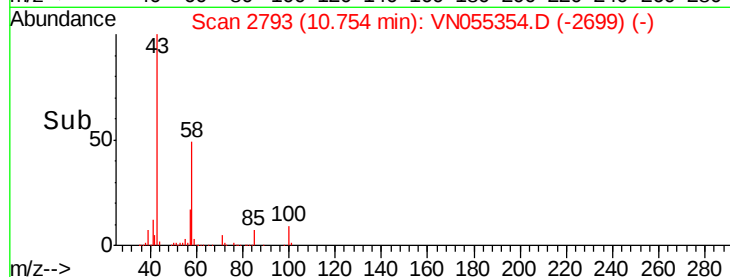
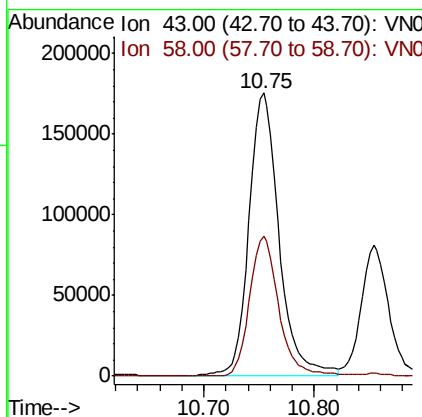
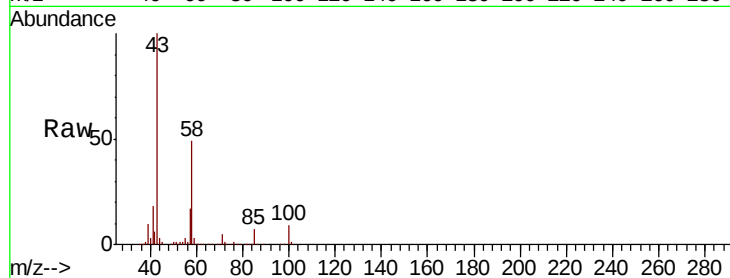
#59
2-Hexanone
Concen: 123.446 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion: 43 Resp: 330146
Ion Ratio Lower Upper
43 100
58 48.3 24.9 74.6

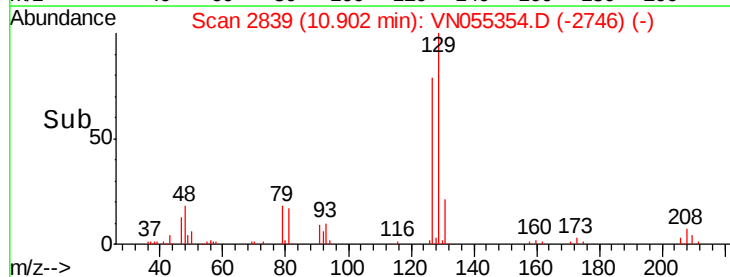
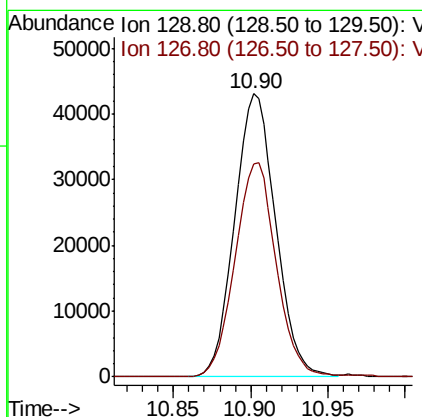
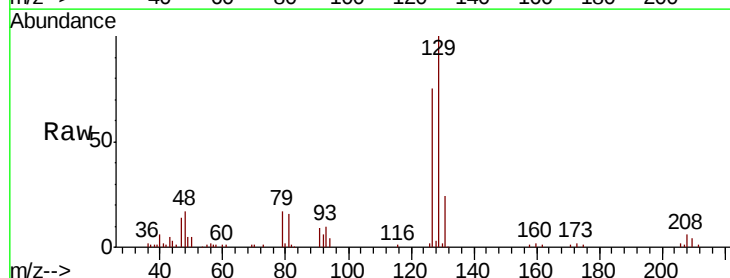
Manual Integrations
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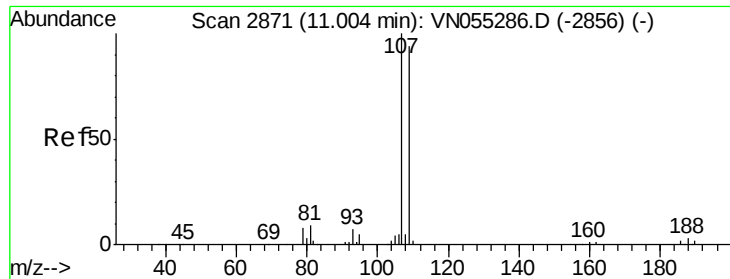
MMDadoda
5/3/2019 1:10:03 PM



#60
Dibromochloromethane
Concen: 20.078 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 129 Resp: 79445
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.5





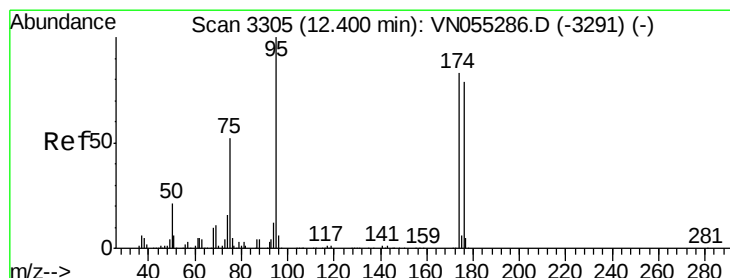
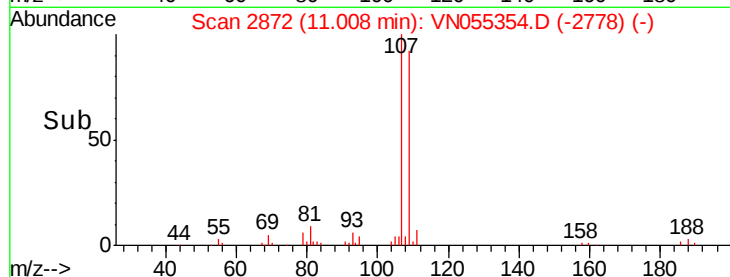
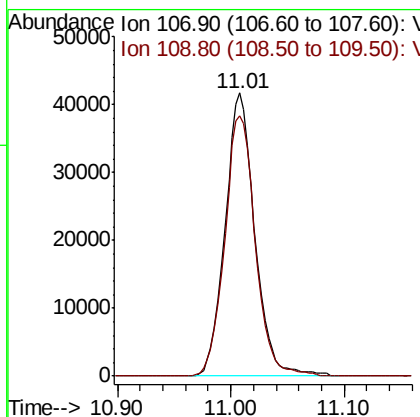
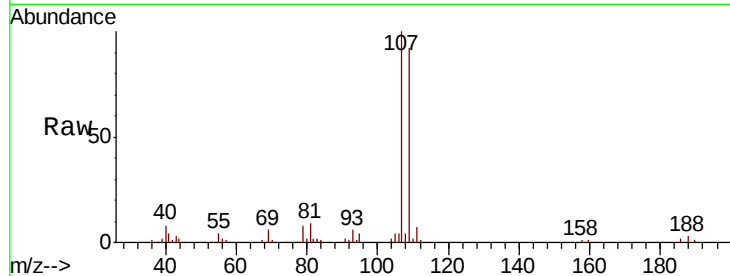
#61
 1,2-Dibromoethane
 Concen: 21.221 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tgt Ion: 107 Resp: 75939
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.0 112.6

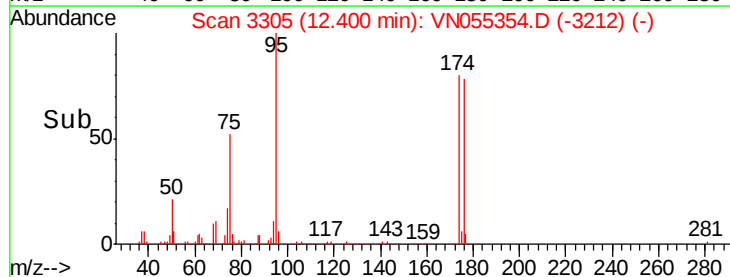
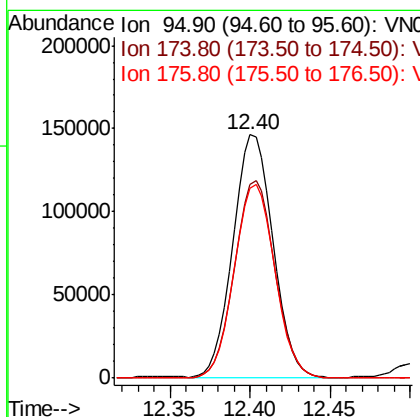
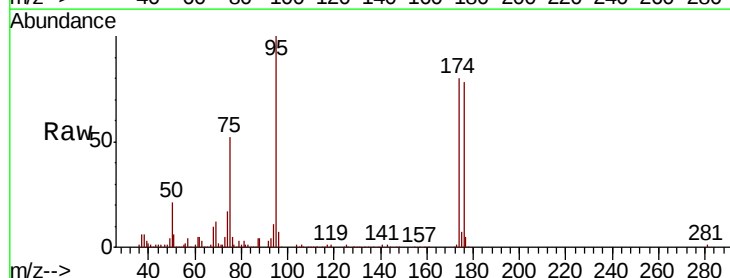
Manual Integrations
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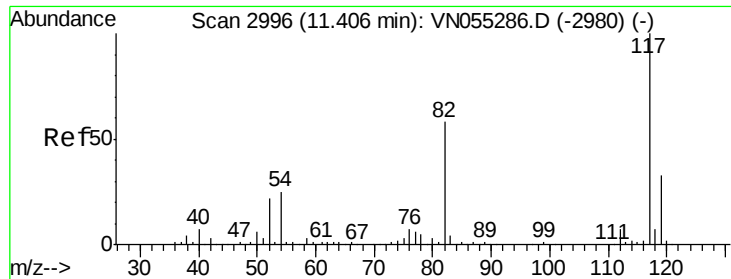
MMDadoda
 5/3/2019 1:10:03 PM



#62
 4-Bromofluorobenzene
 Concen: 52.227 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 95 Resp: 248954
 Ion Ratio Lower Upper
 95 100
 174 82.4 0.0 166.6
 176 81.0 0.0 157.8





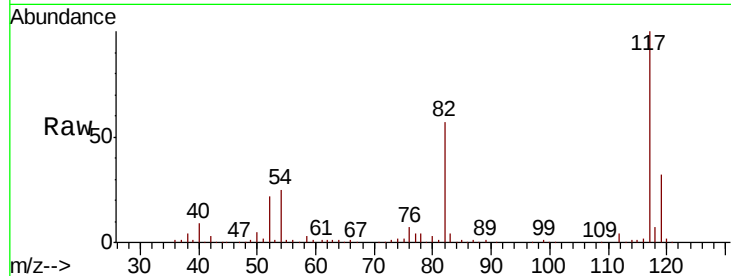
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	545406		
82	57.2	46.2	69.4	
119	32.2	26.6	40.0	

Manual Integrations
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5/3/2019 1:10:03 PM

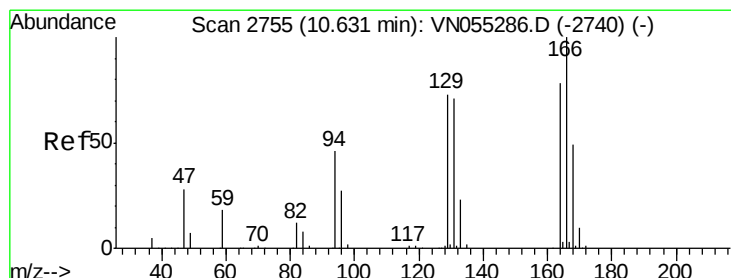
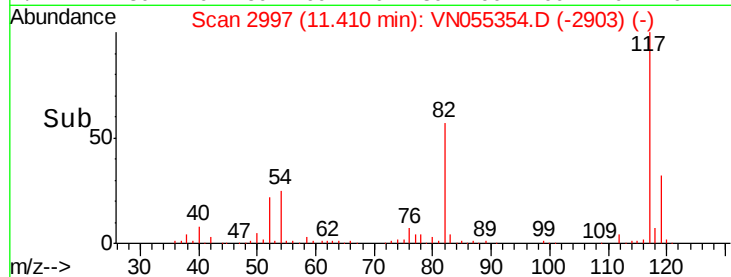
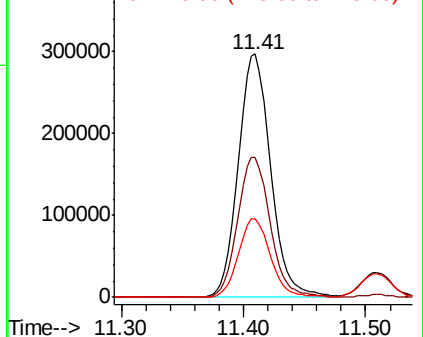


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.585 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87354		
166	130.0	102.3	153.5	
129	91.3	75.0	112.6	
131	88.5	72.7	109.1	

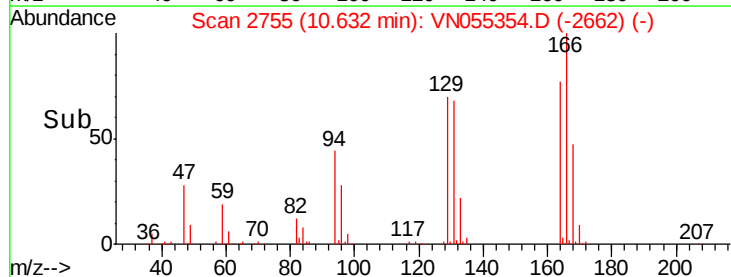
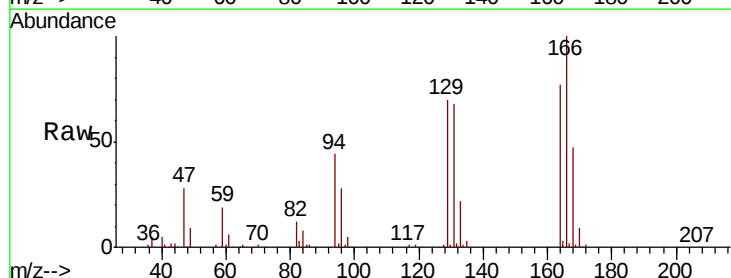
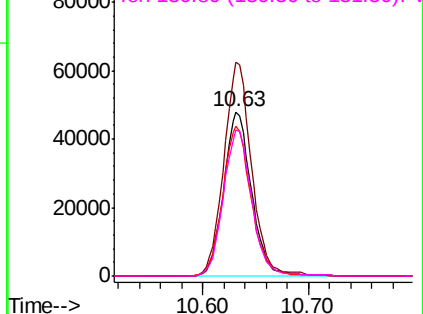
Abundance

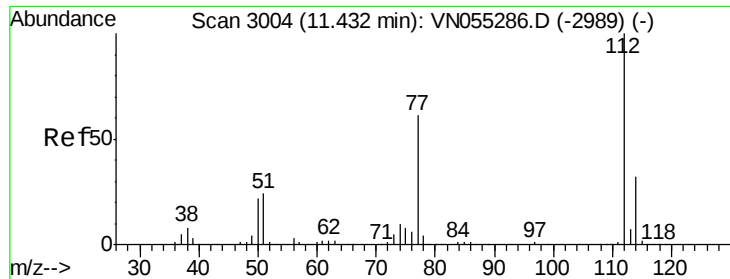
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





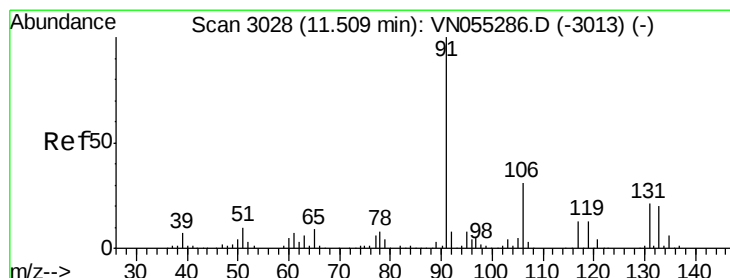
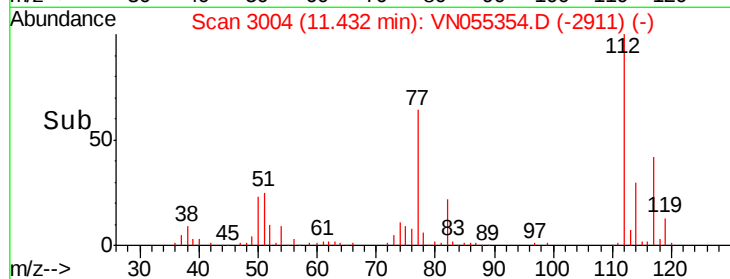
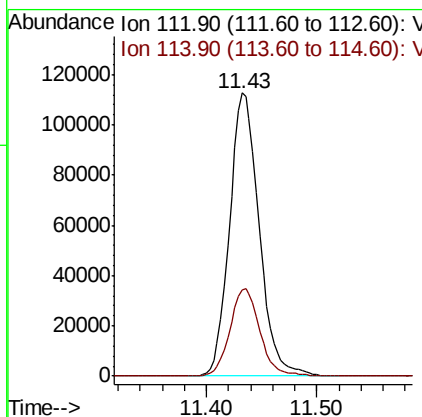
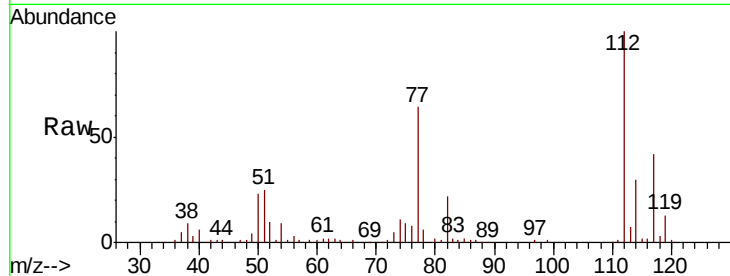
#65
Chlorobenzene
Concen: 19.678 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion:112 Resp: 209834
Ion Ratio Lower Upper
112 100
114 30.5 25.3 37.9

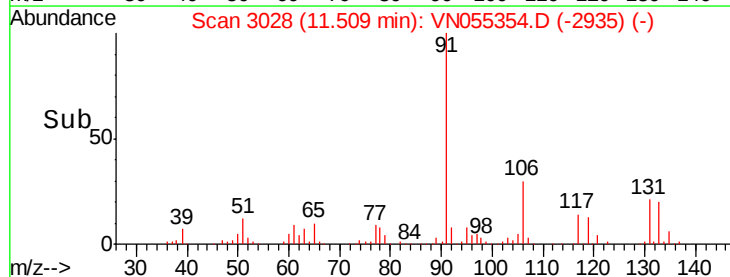
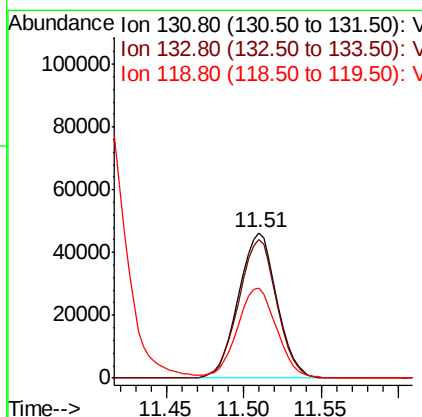
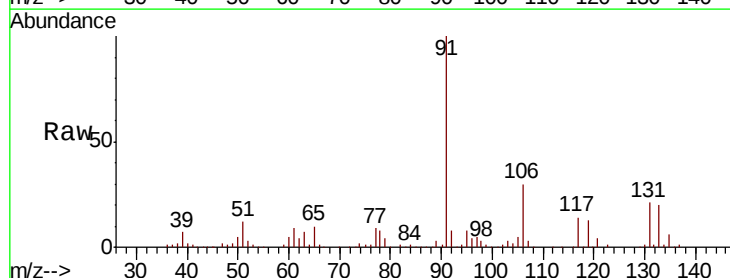
Manual Integrations
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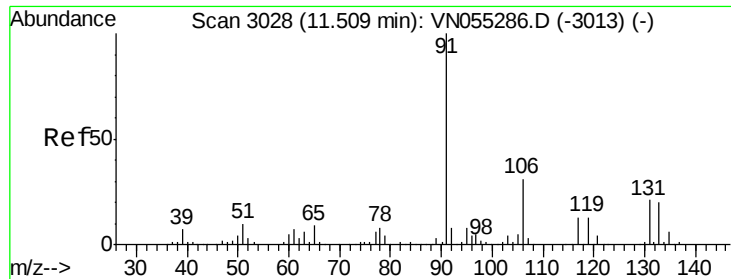
MMDadoda
5/3/2019 1:10:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.168 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion:131 Resp: 80033
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 63.7 32.7 98.1





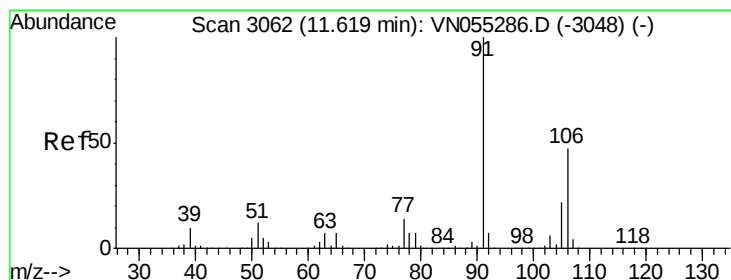
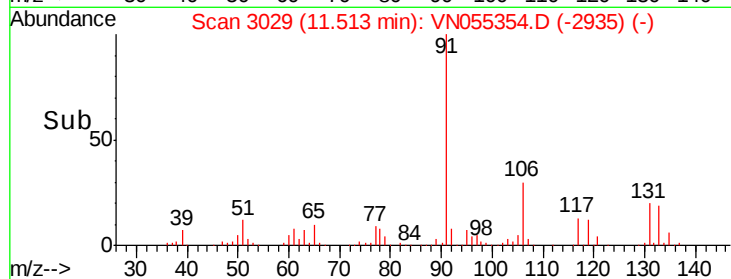
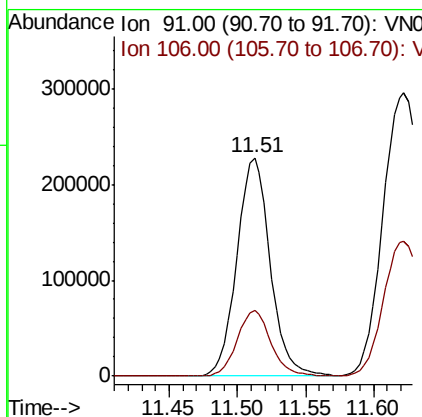
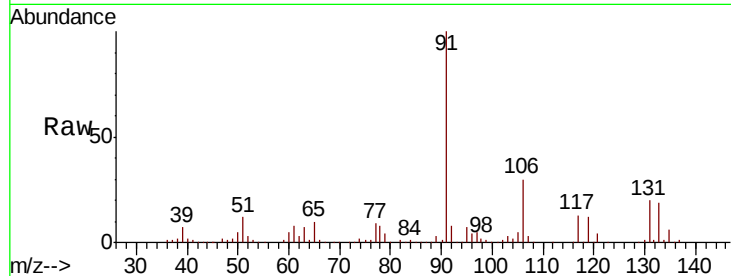
#67
Ethyl Benzene
Concen: 20.063 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion: 91 Resp: 386329
Ion Ratio Lower Upper
91 100
106 29.9 24.6 36.8

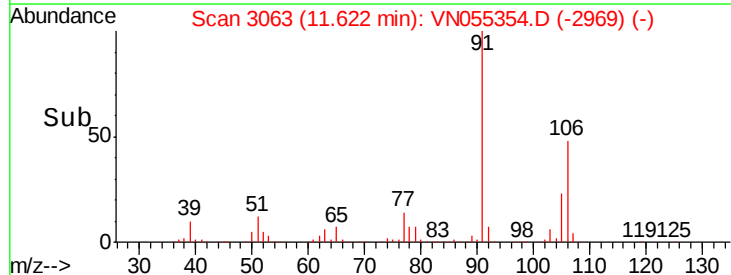
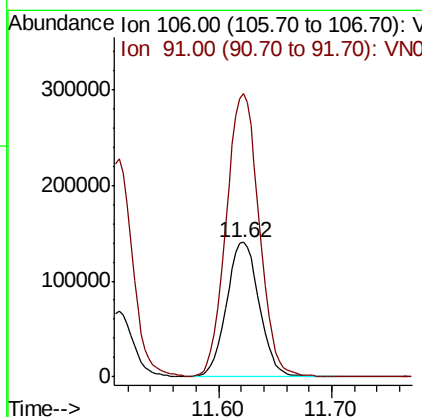
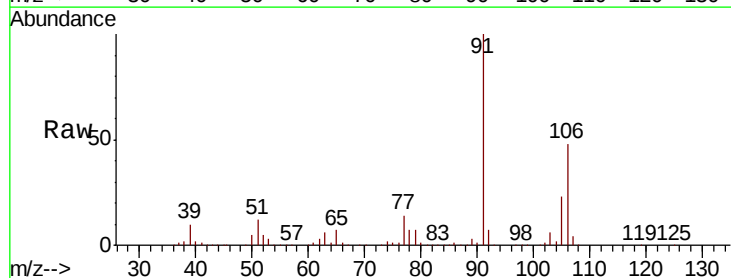
Manual Integrations
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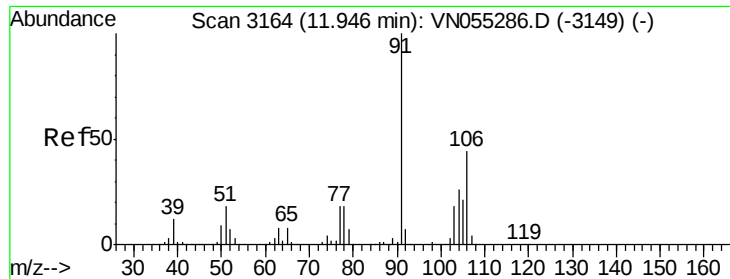
MMDadoda
5/3/2019 1:10:03 PM



#68
m/p-Xylenes
Concen: 41.049 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 106 Resp: 282143
Ion Ratio Lower Upper
106 100
91 211.9 169.5 254.3





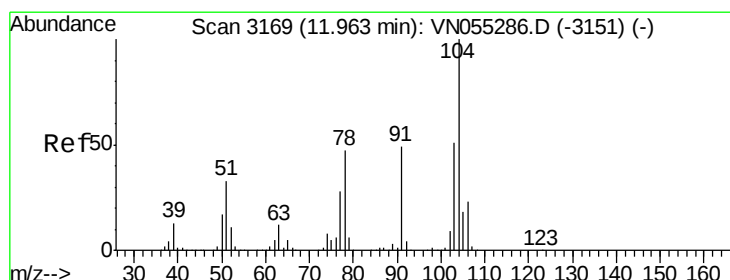
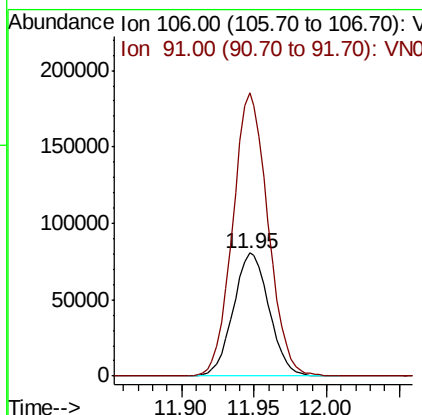
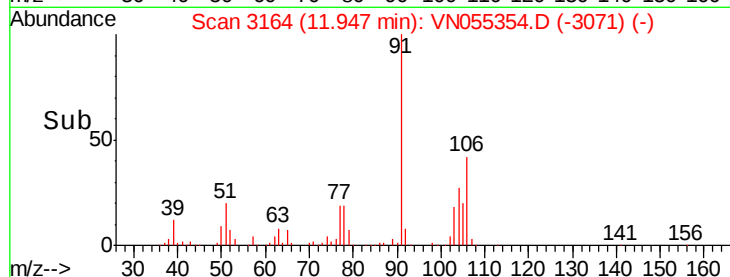
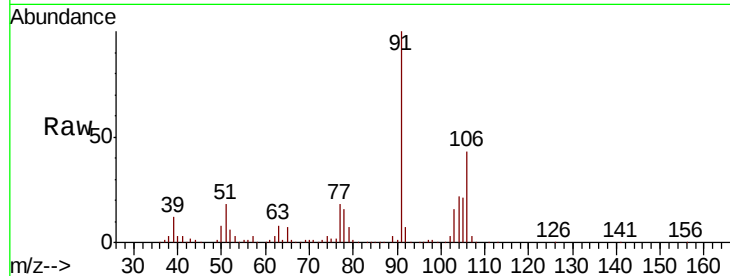
#69
o-Xylene
Concen: 20.280 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampled :
VN0502MBS01

Tgt Ion:106 Resp: 138161
Ion Ratio Lower Upper
106 100
91 226.9 111.5 334.5

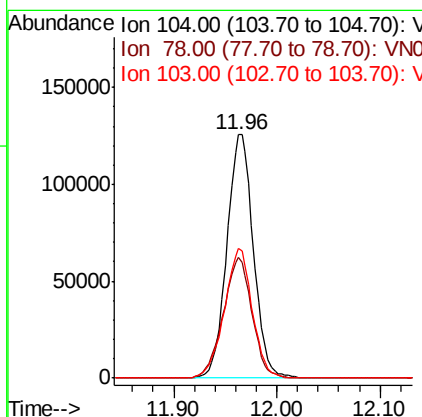
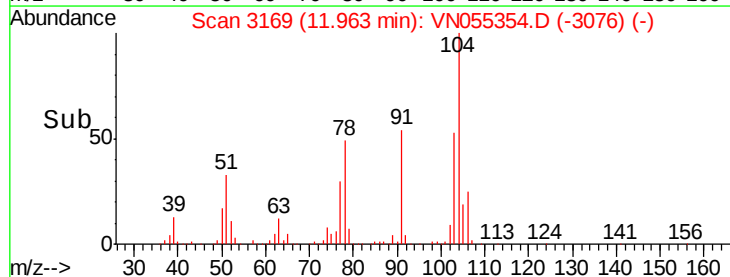
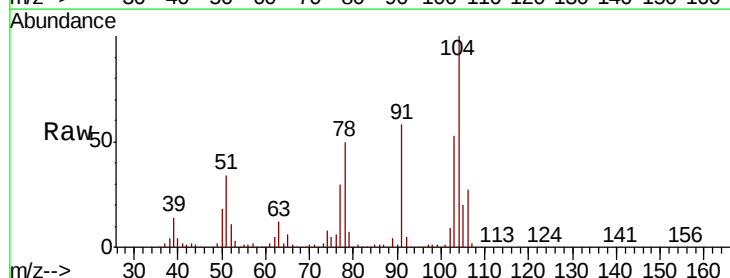
Manual Integrations
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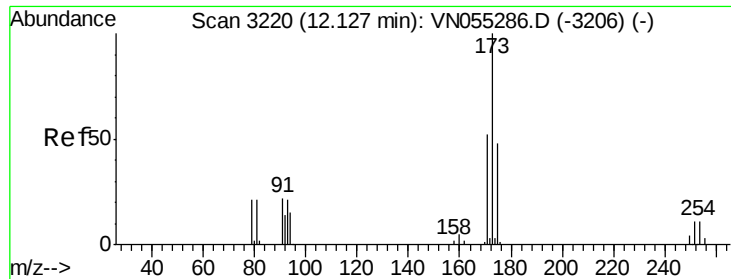
MMDadoda
5/3/2019 1:10:03 PM



#70
Styrene
Concen: 21.494 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion:104 Resp: 224834
Ion Ratio Lower Upper
104 100
78 53.9 42.2 63.2
103 56.0 44.6 67.0





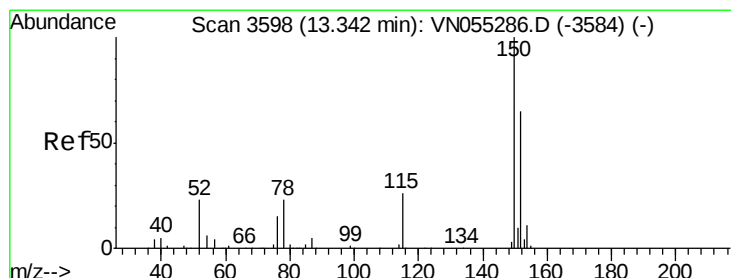
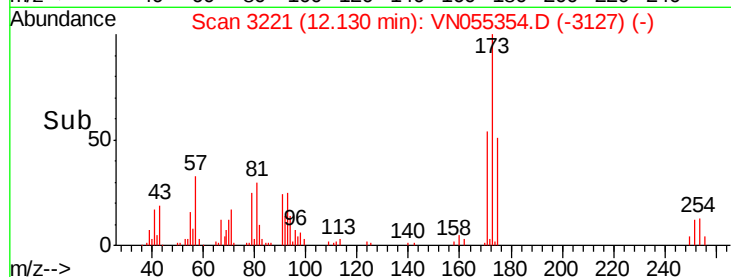
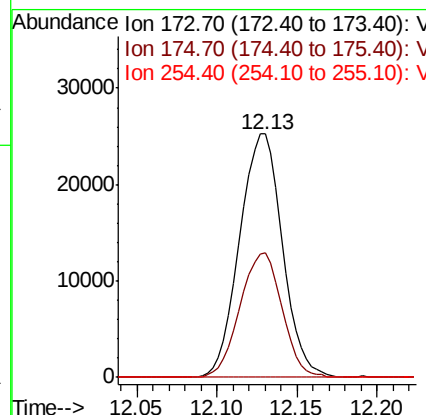
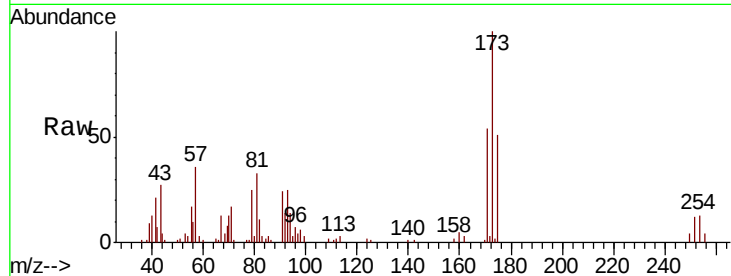
#71
Bromoform
Concen: 19.896 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion:173 Resp: 46098
Ion Ratio Lower Upper
173 100
175 50.1 23.6 71.0
254 0.0 0.0 0.0

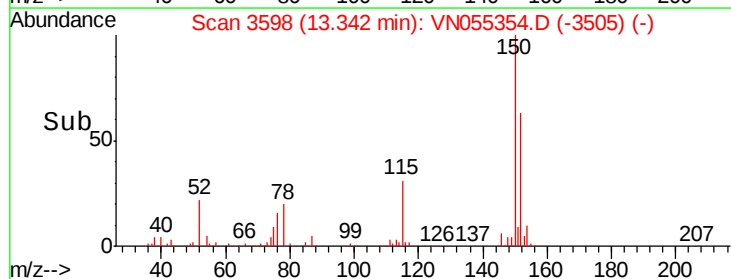
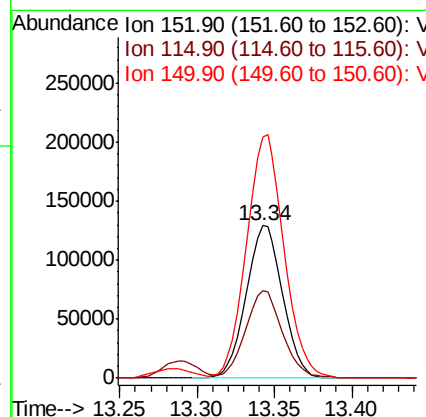
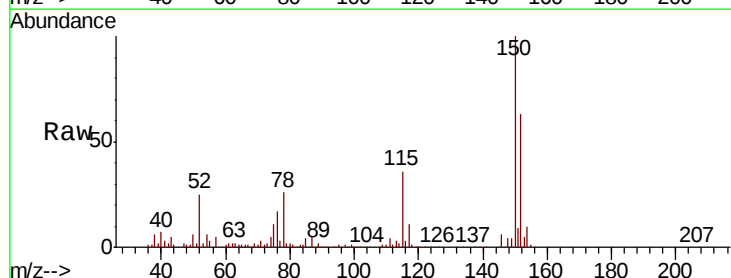
Manual Integrations
APPROVED

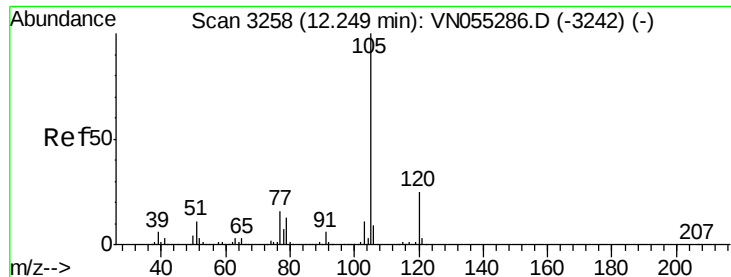
MMDadoda
5/3/2019 1:10:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion:152 Resp: 212352
Ion Ratio Lower Upper
152 100
115 58.3 29.0 87.0
150 163.4 0.0 345.6





#73

Isopropylbenzene

Concen: 20.878 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

VN0502MBS01

Tgt Ion: 105 Resp: 383889

Ion Ratio Lower Upper

105 100

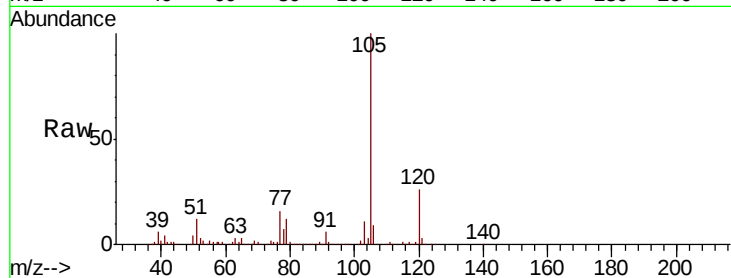
120 25.3 12.9 38.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

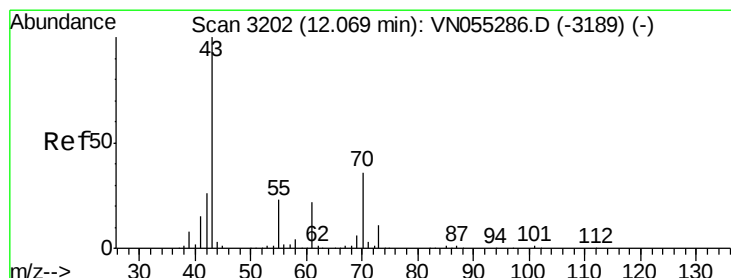
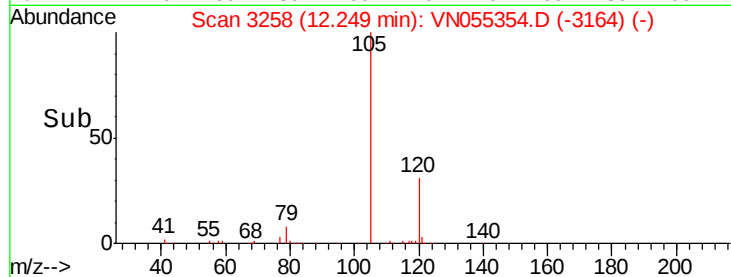
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 26.979 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Tgt Ion: 43 Resp: 147029

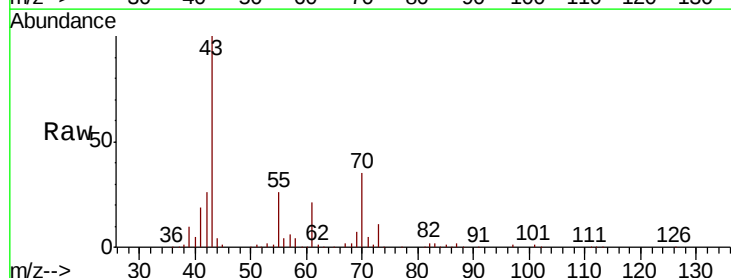
Ion Ratio Lower Upper

43 100

70 29.2 27.9 41.9

55 23.4 18.2 27.2

61 17.9 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

60000

40000

20000

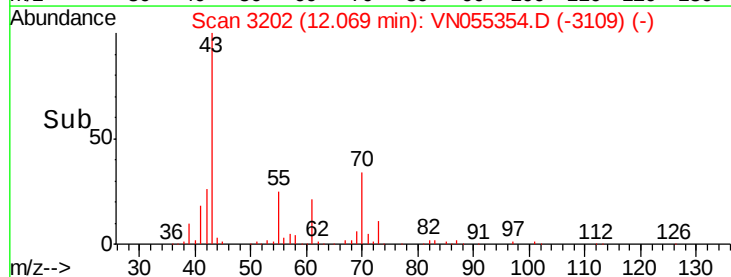
0

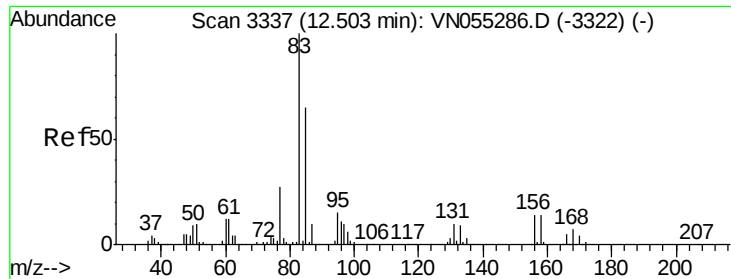
12.00

12.05

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.572 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

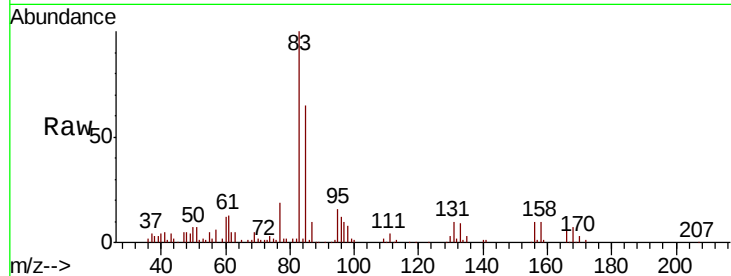
ClientSampleId :

VN0502MBS01

Tgt Ion:	83	Resp:	98370
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.2
85	65.9	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN055286.D (-3322) (-)

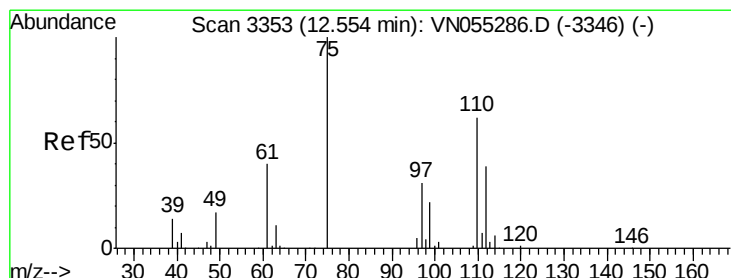
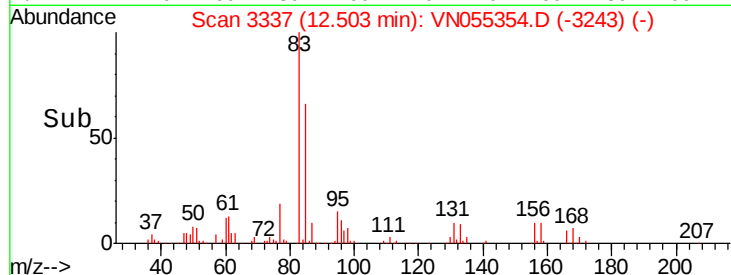
Ion 130.80 (130.50 to 131.50): VN055286.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055286.D (-3322) (-)

Time-->

12.50

12.55



#76

1,2,3-Trichloropropane

Concen: 21.464 ug/l m

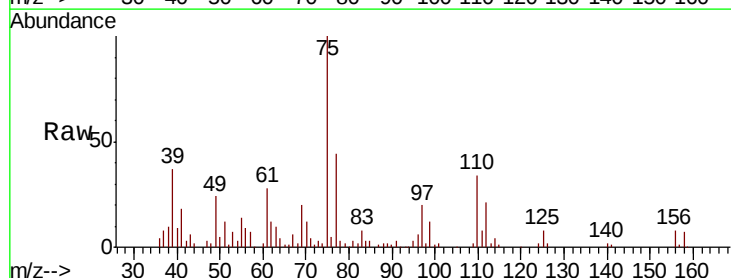
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Tgt Ion:	75	Resp:	90392
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



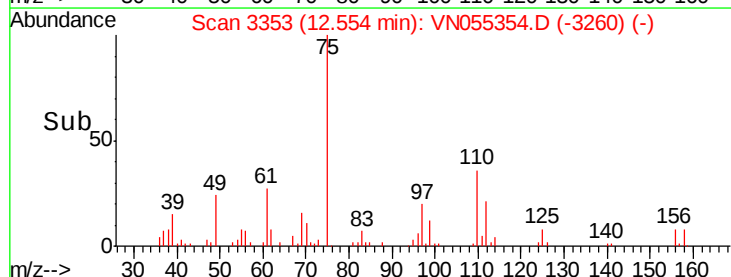
Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3346) (-)

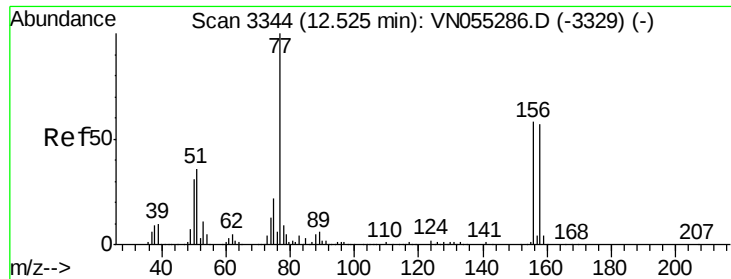
Ion 77.00 (76.70 to 77.70): VN055286.D (-3346) (-)

Time-->

12.55

12.60





#77

Bromobenzene

Concen: 20.961 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

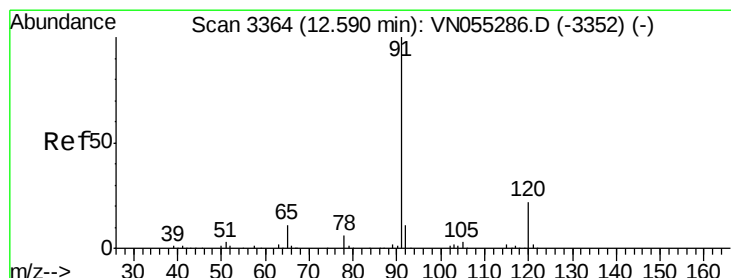
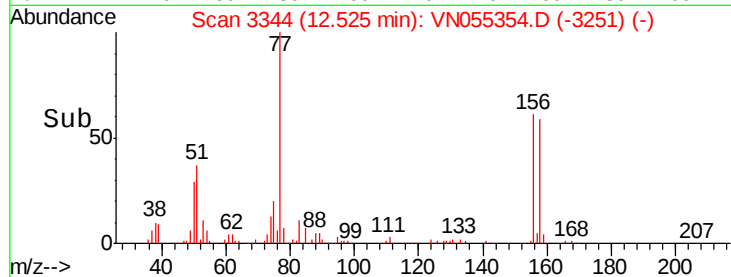
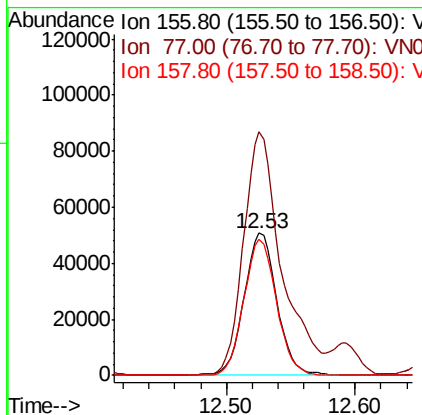
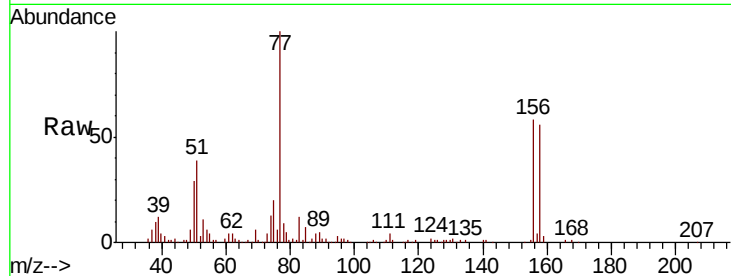
ClientSampleId :

VN0502MBS01

Tgt Ion:	156	Resp:	90102
Ion Ratio	Lower	Upper	
156	100		
77	199.5	99.6	298.8
158	95.0	49.3	147.8

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#78

n-propylbenzene

Concen: 19.678 ug/l

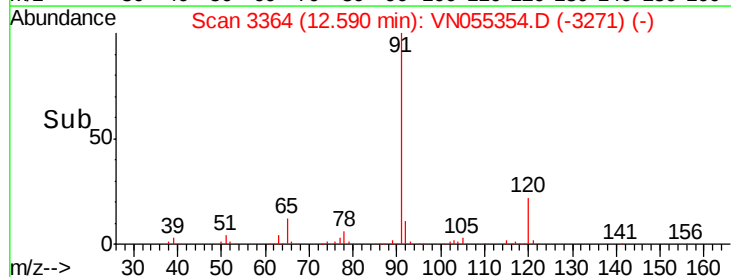
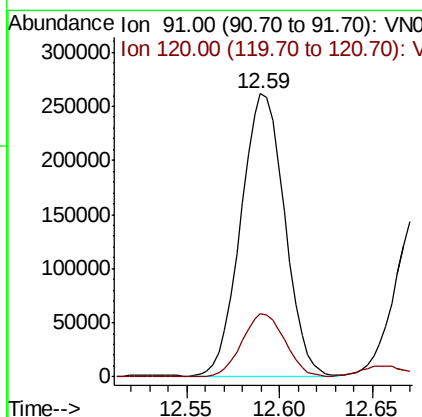
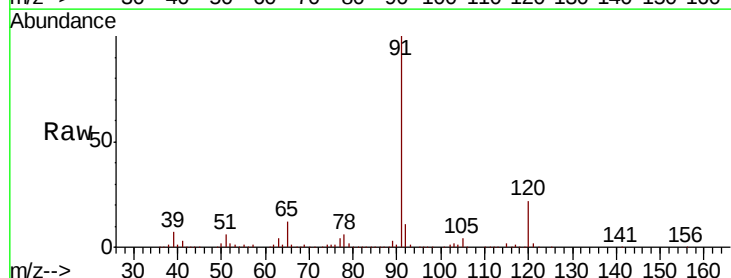
RT: 12.59 min Scan# 3364

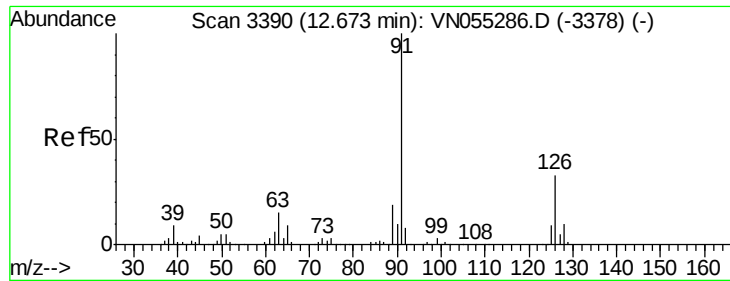
Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Tgt Ion:	91	Resp:	429228
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0





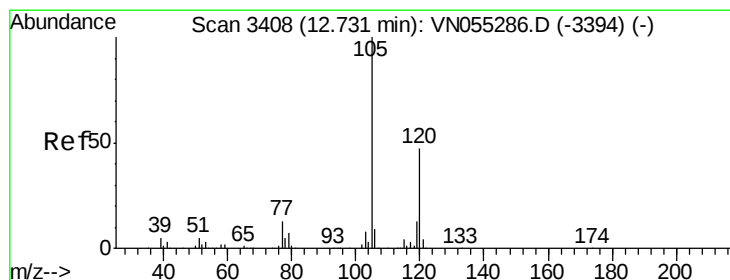
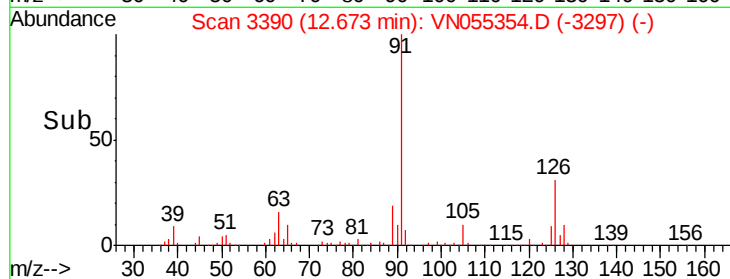
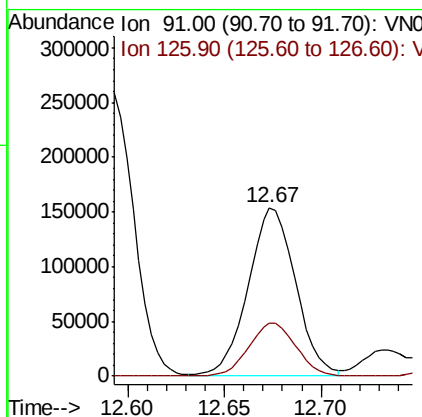
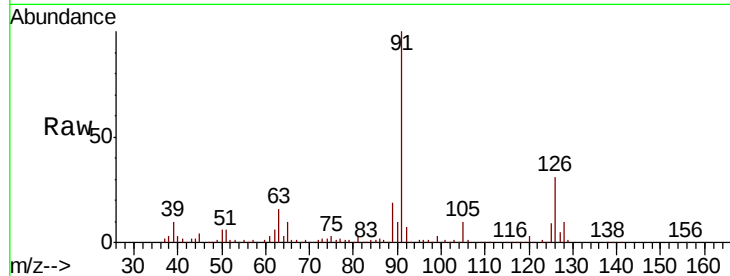
#79
 2-Chlorotoluene
 Concen: 21.158 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tgt Ion: 91 Resp: 261169
 Ion Ratio Lower Upper
 91 100
 126 31.6 16.6 49.7

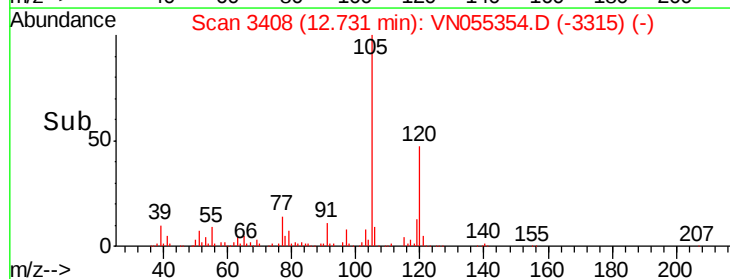
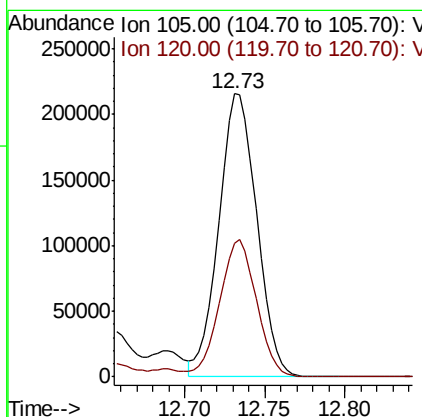
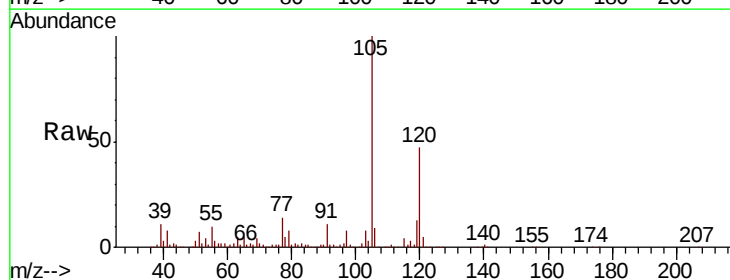
Manual Integrations
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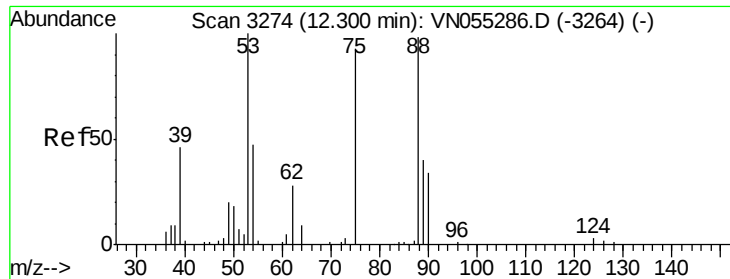
MMDadoda
 5/3/2019 1:10:03 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.028 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion: 105 Resp: 350063
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.0





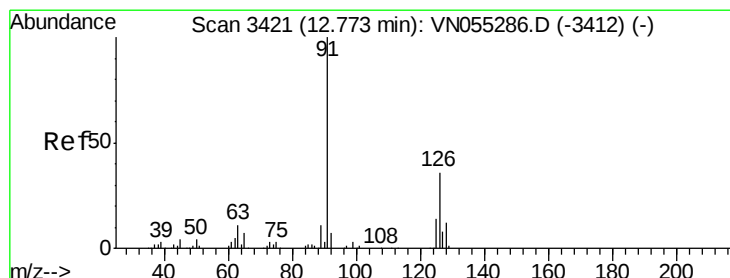
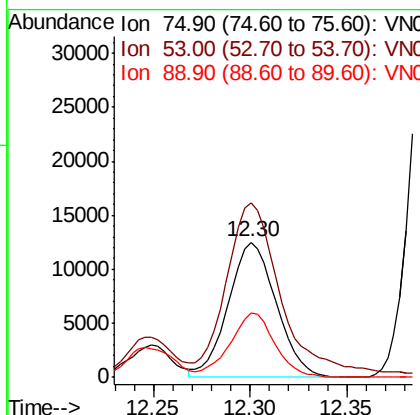
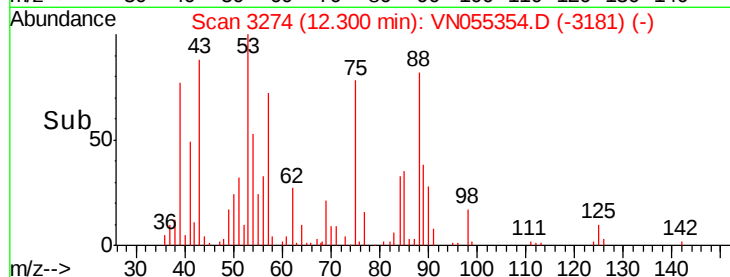
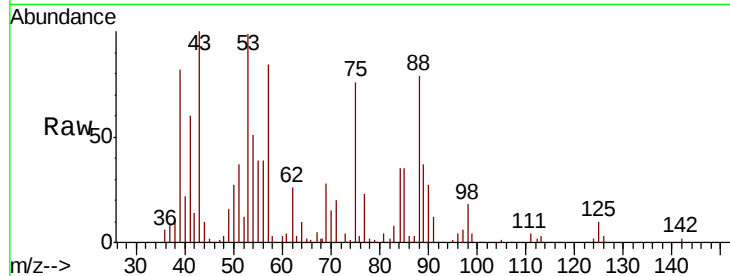
#81
trans-1,4-Dichloro-2-butene
Concen: 19.276 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion: 75 Resp: 21600
Ion Ratio Lower Upper
75 100
53 140.7 86.3 129.5#
89 44.9 34.6 51.8

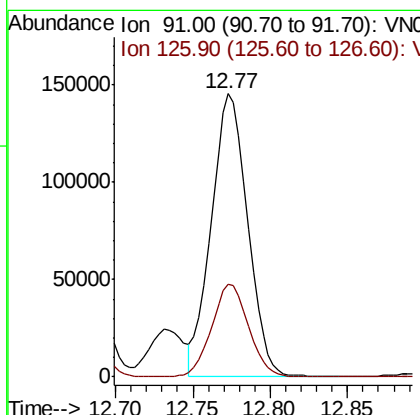
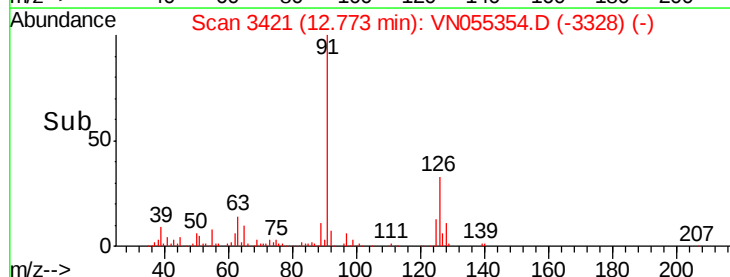
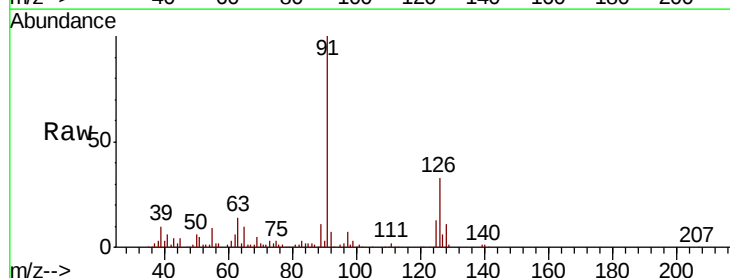
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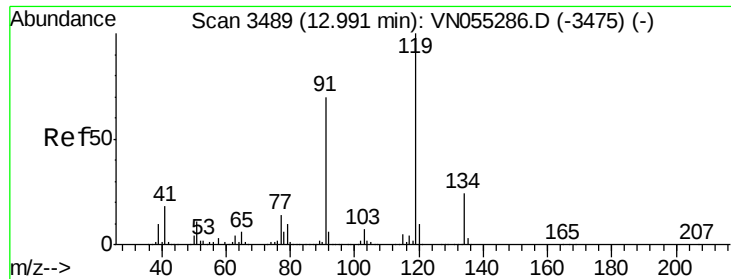
MMDadoda
5/3/2019 1:10:03 PM



#82
4-Chlorotoluene
Concen: 18.695 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion: 91 Resp: 237109
Ion Ratio Lower Upper
91 100
126 33.4 16.6 49.7





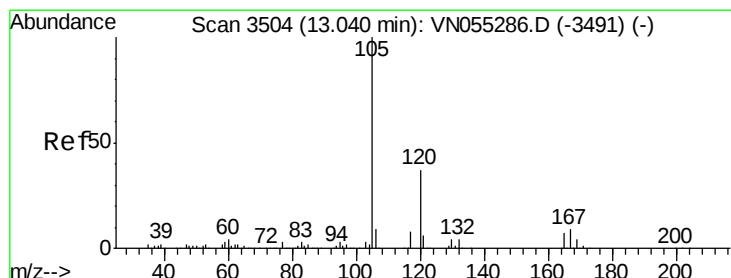
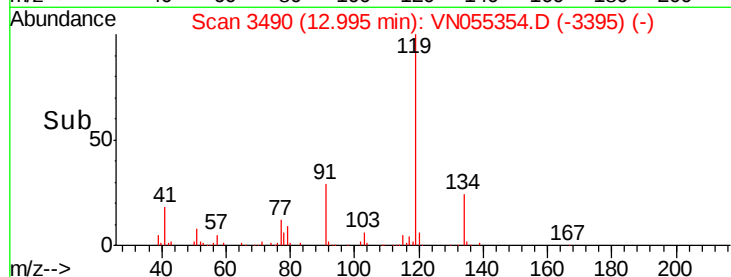
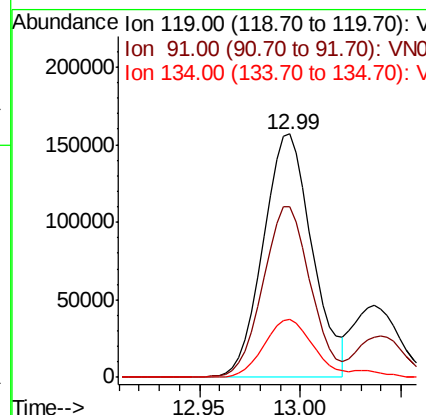
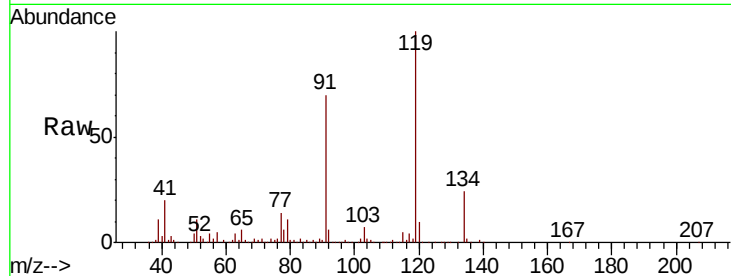
#83
 tert-Butylbenzene
 Concen: 20.828 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	265435		
91	68.0	34.3	102.9	
134	23.8	13.1	39.3	

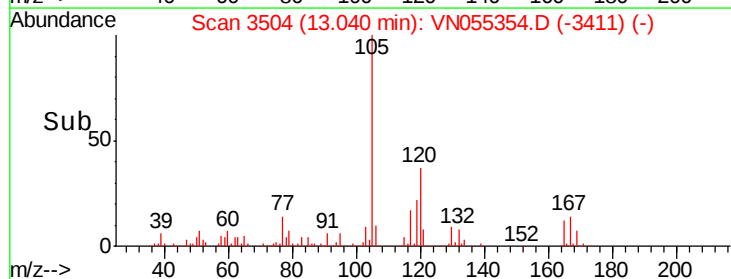
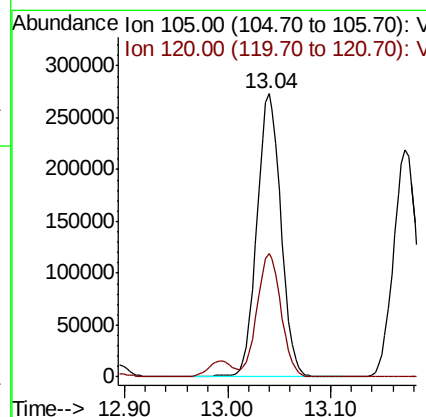
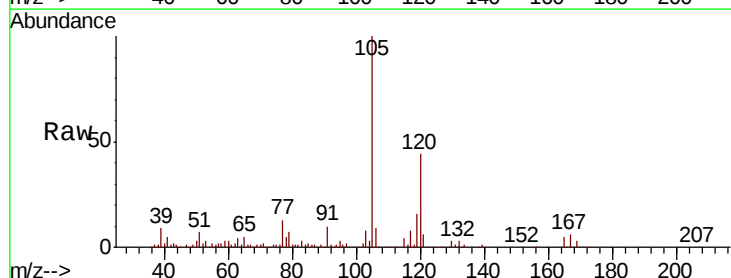
Manual Integrations
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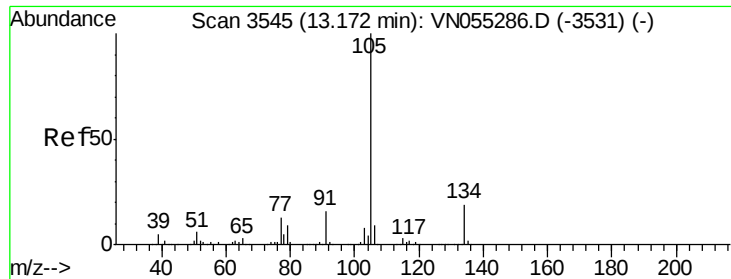
MMDadoda
 5/3/2019 1:10:03 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 29.406 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	437817		
120	43.7	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.130 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

VN0502MBS01

Tgt Ion:105 Resp: 346145

Ion Ratio Lower Upper

105 100

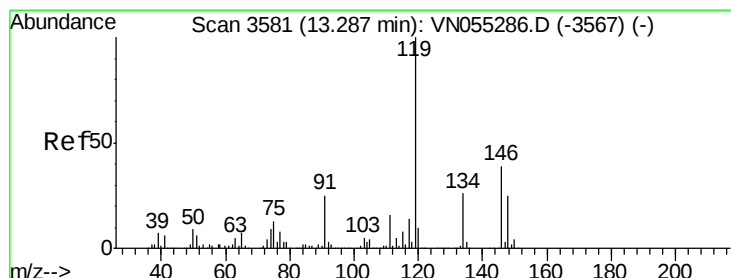
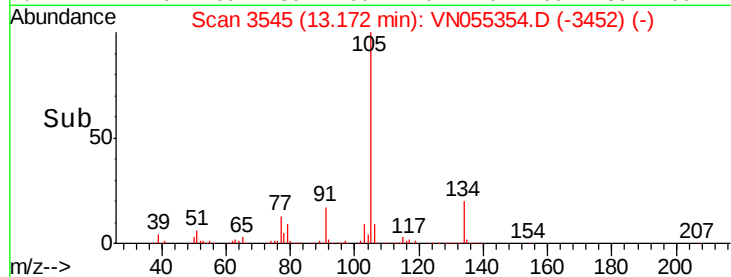
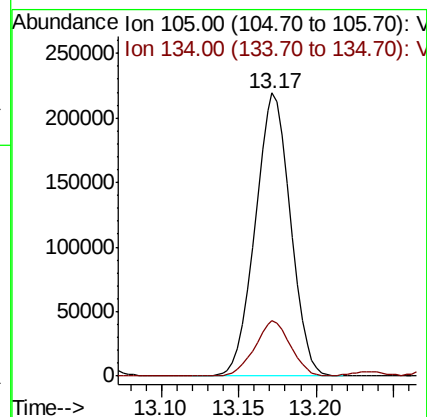
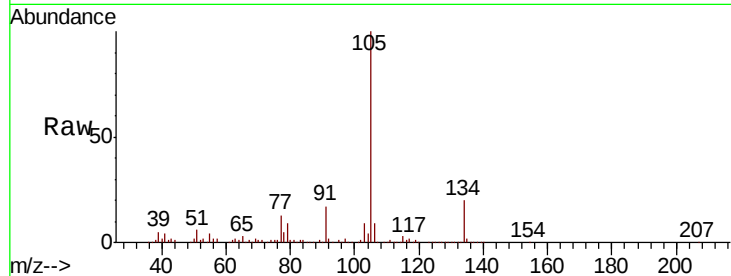
134 20.0 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.374 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

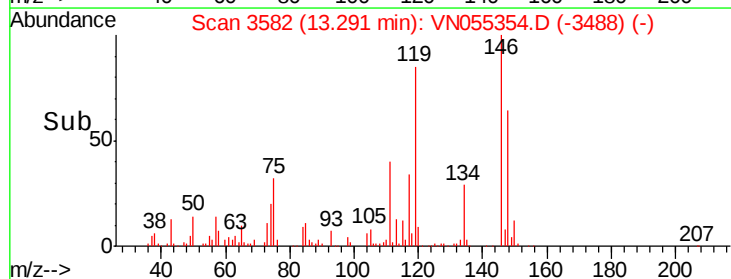
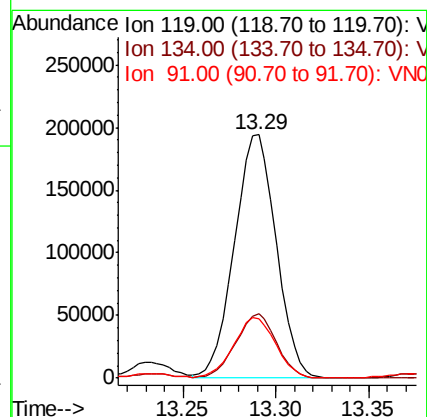
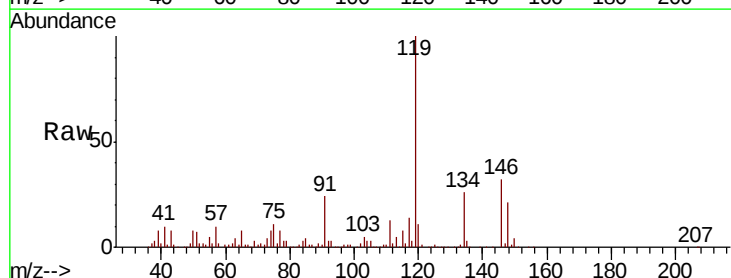
Tgt Ion:119 Resp: 303008

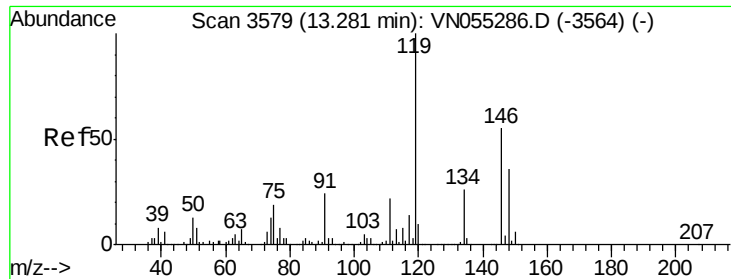
Ion Ratio Lower Upper

119 100

134 25.4 13.0 38.9

91 24.7 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.065 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Instrument :

MSVOA_N

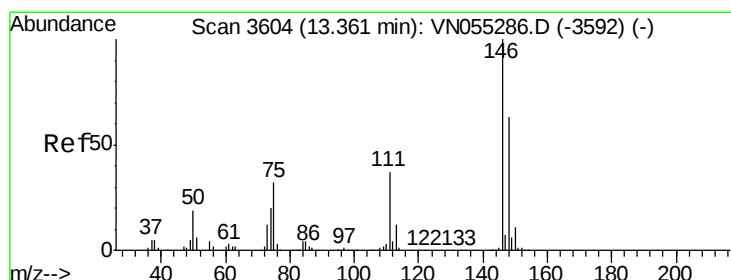
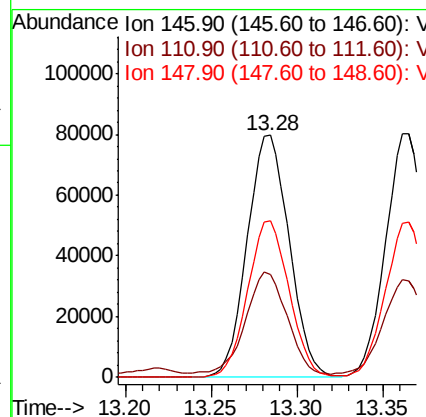
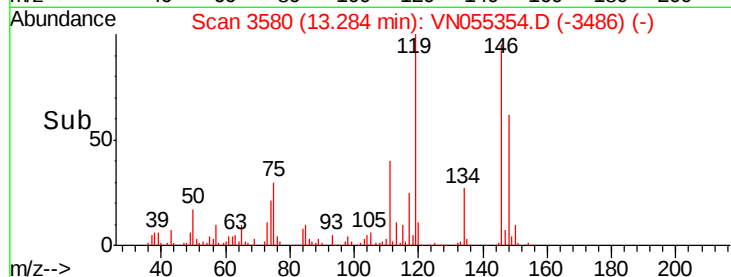
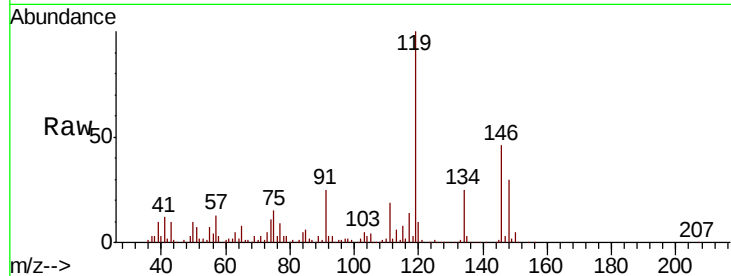
ClientSampled :

VN0502MBS01

Tgt Ion:	146	Resp:	135473
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.3	60.8
148	63.6	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 19.862 ug/l

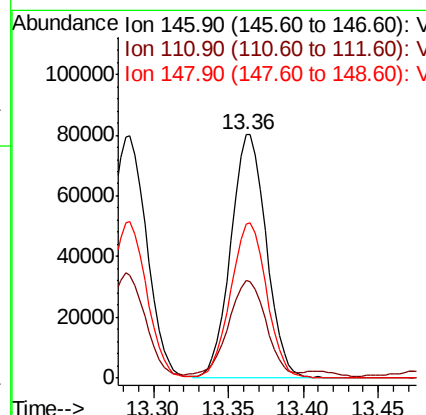
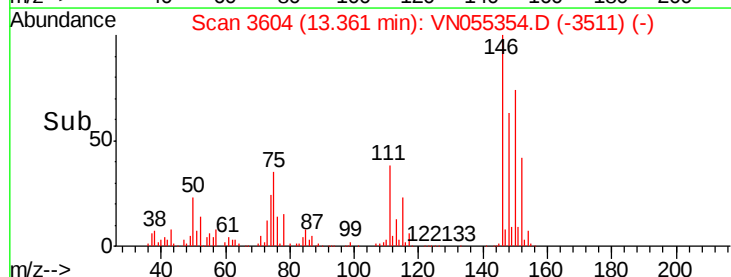
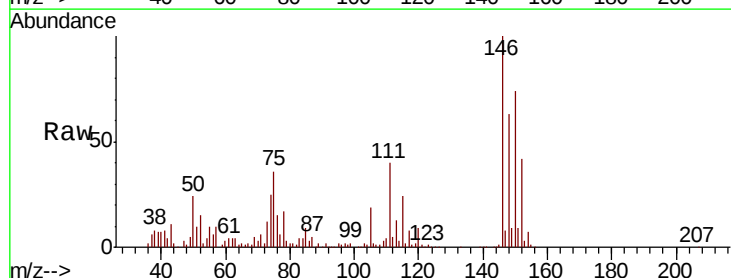
RT: 13.36 min Scan# 3604

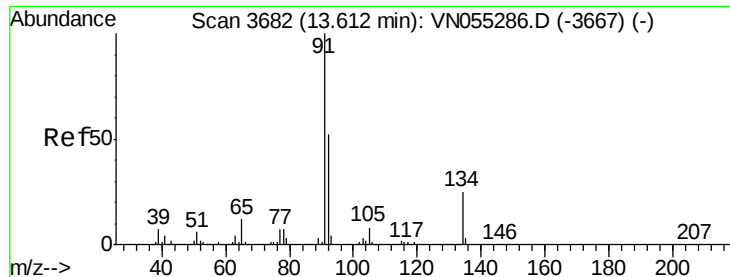
Delta R.T. 0.00 min

Lab File: VN055354.D

Acq: 2 May 2019 17:10

Tgt Ion:	146	Resp:	132912
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.5	58.5
148	64.9	32.5	97.4





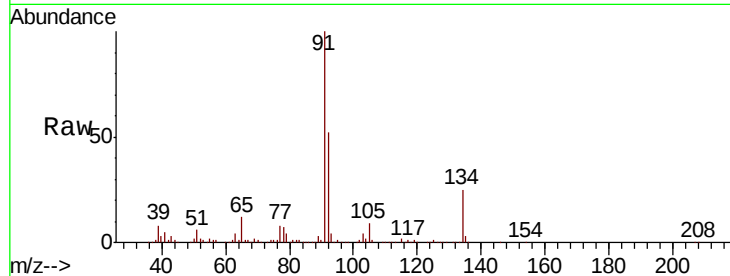
#89
n-Butylbenzene
Concen: 22.256 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

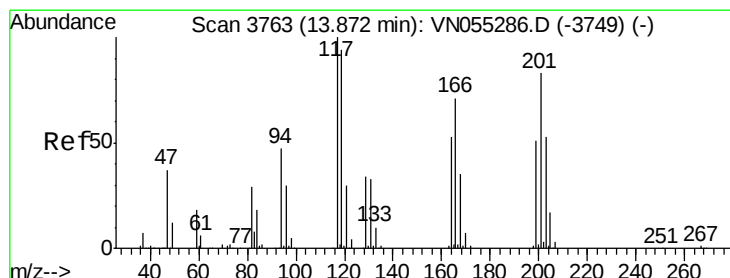
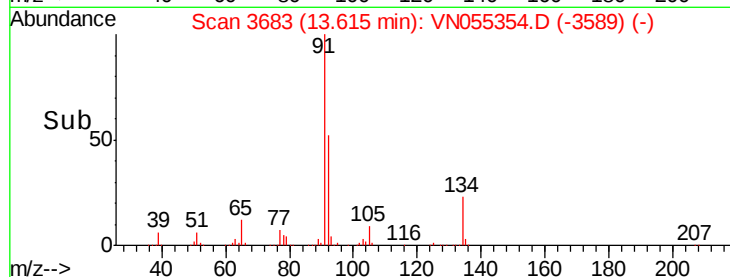
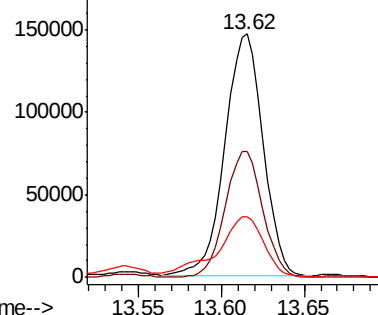
Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.1	78.3
134	30.7	12.4	37.4

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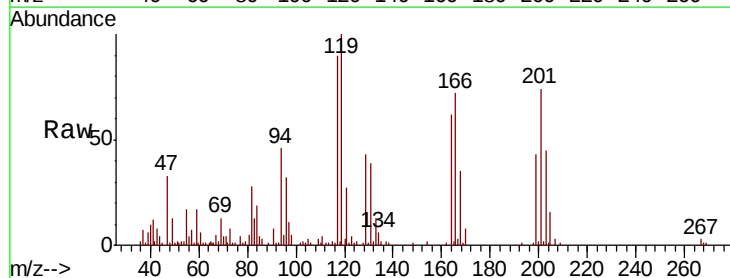


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN055286.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN055286.D (-3667) (-)

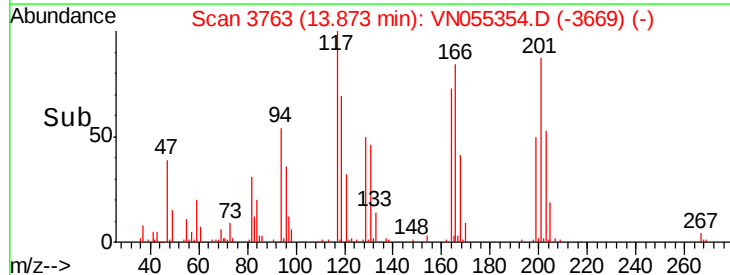
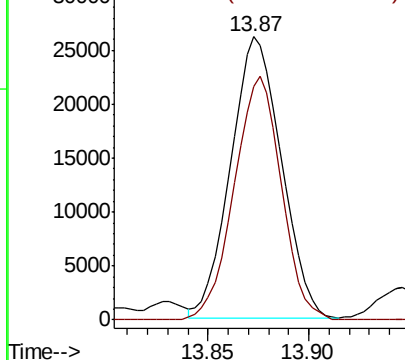


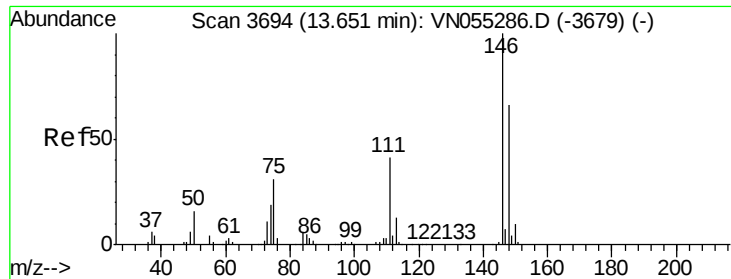
#90
Hexachloroethane
Concen: 18.410 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	41.9	125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN055286.D (-3749) (-)





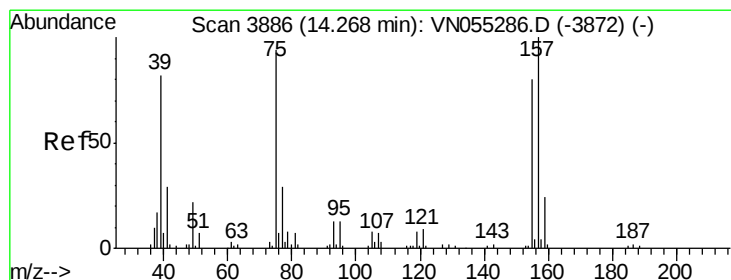
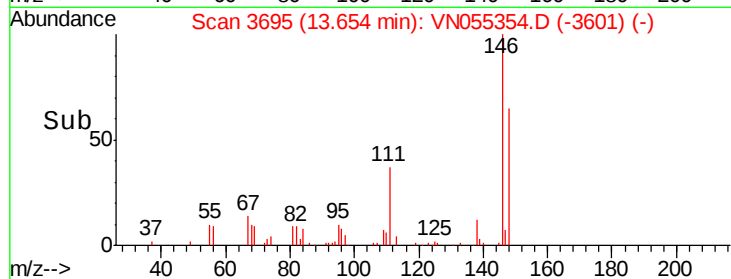
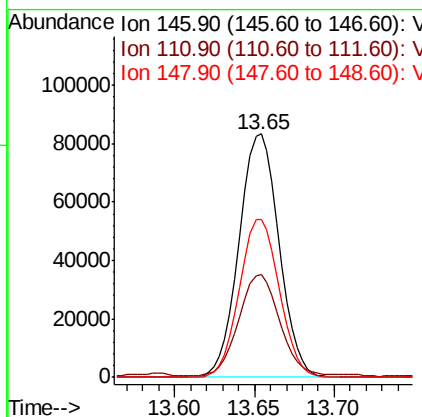
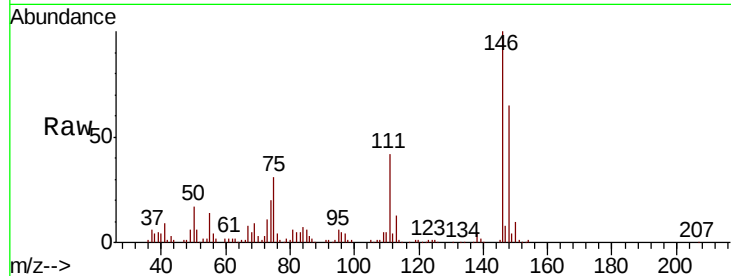
#91
 1,2-Dichlorobenzene
 Concen: 20.163 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0502MBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.3	61.0
148	64.8	32.4	97.2

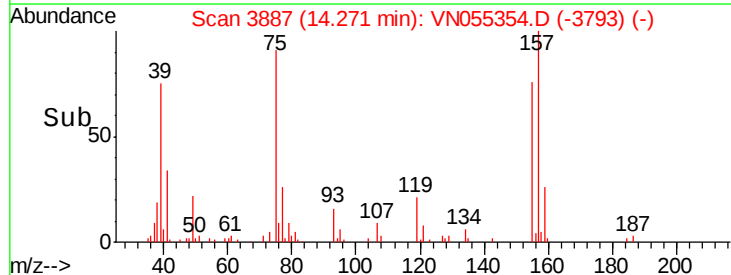
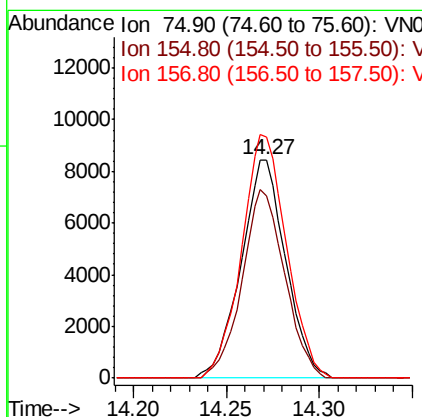
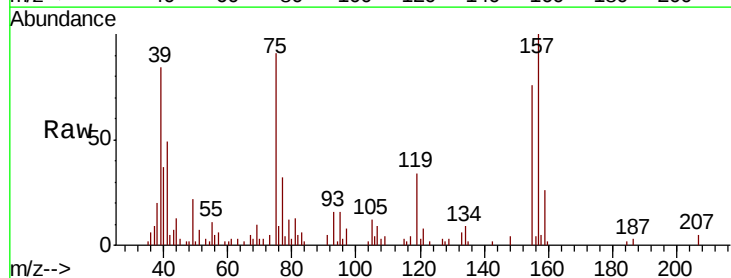
Manual Integrations
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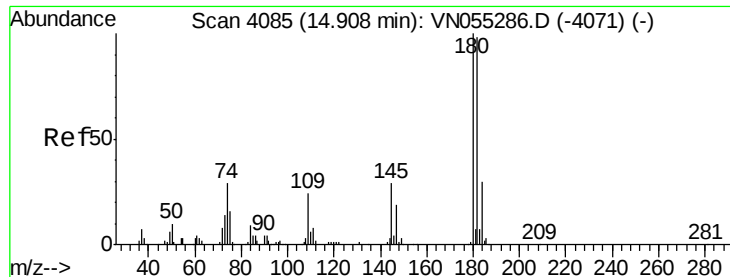
MMDadoda
 5/3/2019 1:10:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.210 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	41.5	124.6
157	111.8	54.0	162.2





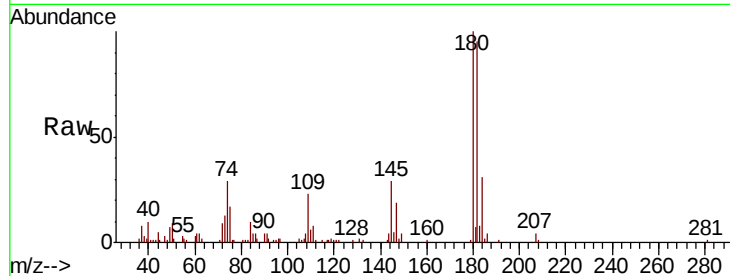
#93
 1,2,4-Trichlorobenzene
 Concen: 19.611 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	48468		
182	93.7	48.3	144.9	
145	32.5	14.2	42.6	

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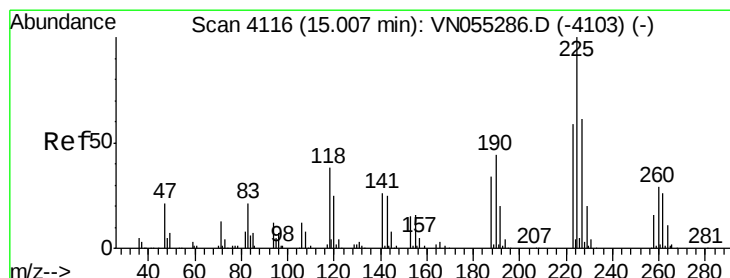
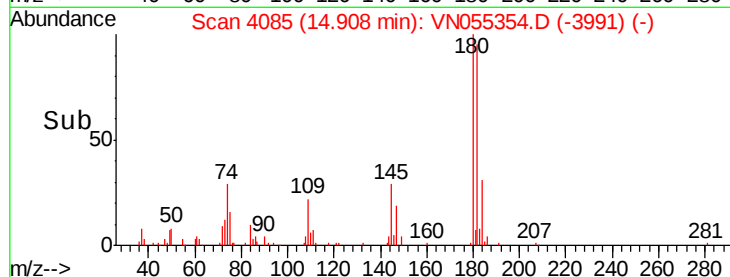
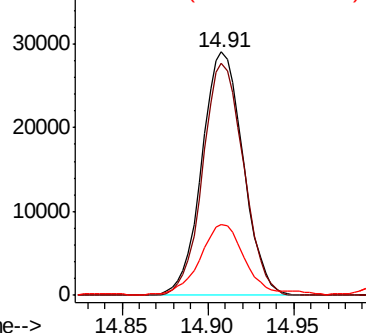


Abundance

Ion 179.80 (179.50 to 180.50): V

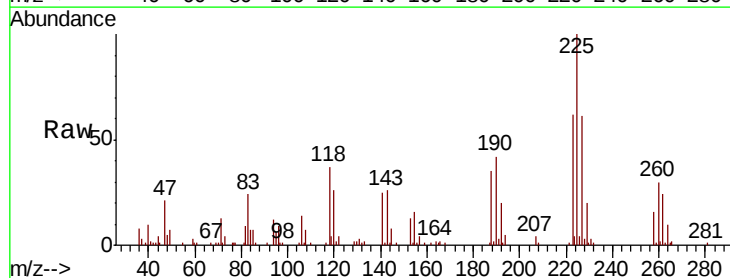
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.267 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055354.D
 Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48478		
223	61.3	30.3	90.8	
227	61.1	30.9	92.7	

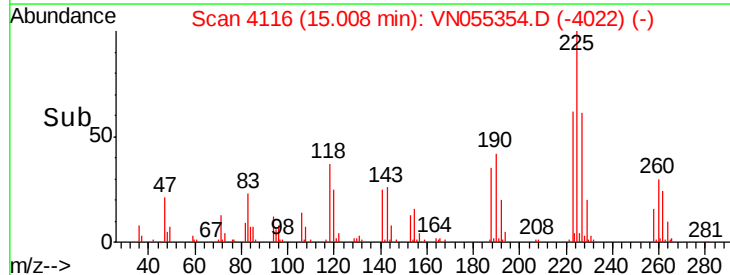
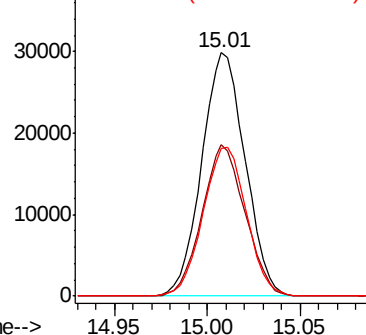


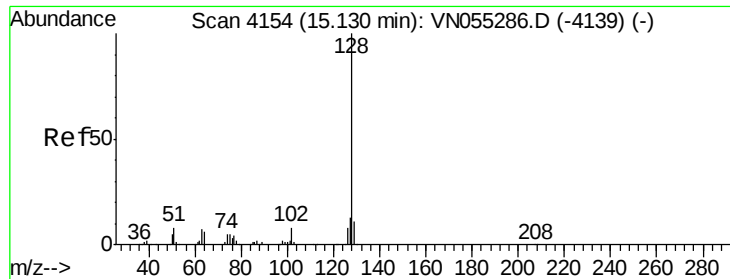
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





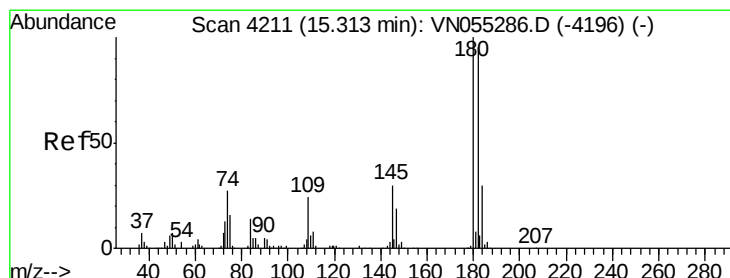
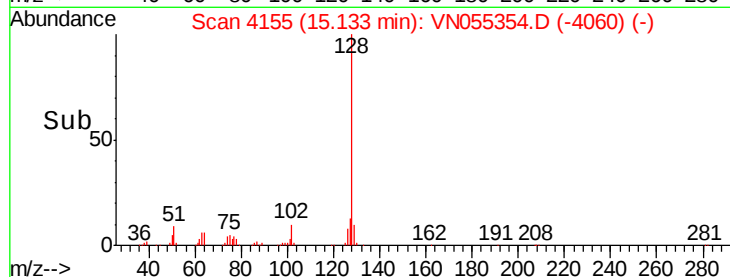
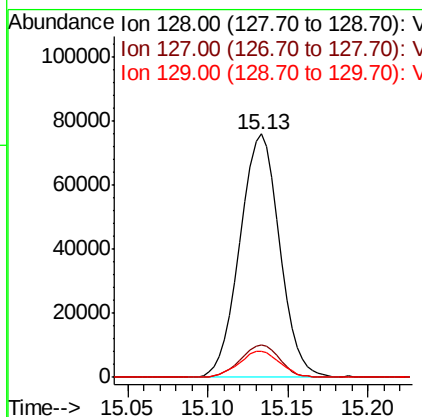
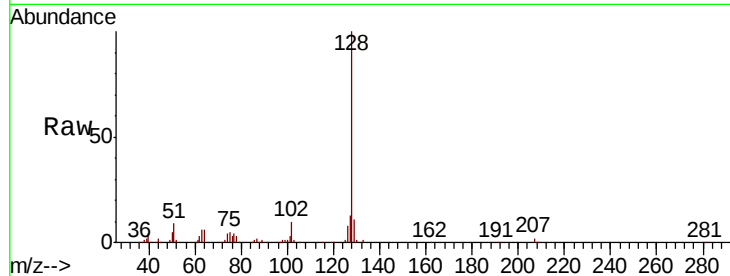
#95
Naphthalene
Concen: 23.747 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
VN0502MBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.1	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 20.935 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055354.D
Acq: 2 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.3	144.9
145	31.2	15.2	45.6

