

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055830.D
 Acq On : 25 May 2019 6:19
 Operator : JC/SP
 Sample : K3037-08MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MSD

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:54 AM

Quant Time: May 26 23:26:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	347570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	509479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207853	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	182494	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.59	113	166341	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.09	98	626213	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.40	95	217816	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110867	47.396	ug/l	100
3) Chloromethane	2.06	50	159182	48.569	ug/l	99
4) Vinyl Chloride	2.19	62	167141	47.814	ug/l	98
5) Bromomethane	2.54	94	115892	52.993	ug/l	99
6) Chloroethane	2.69	64	106930	50.807	ug/l	100
7) Trichlorofluoromethane	3.01	101	224510	48.988	ug/l	99
8) Diethyl Ether	3.40	74	99292	48.339	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	138762	48.504	ug/l	98
10) Methyl Iodide	3.94	142	216034	51.651	ug/l	100
11) Tert butyl alcohol	4.81	59	147175	214.597	ug/l	99
12) 1,1-Dichloroethene	3.72	96	145261	49.142	ug/l	98
13) Acrolein	3.60	56	97601	198.749	ug/l	97
14) Allyl chloride	4.31	41	226093	44.617	ug/l	100
15) Acrylonitrile	4.99	53	387637	246.147	ug/l	100
16) Acetone	3.82	43	318596	201.920	ug/l	100
17) Carbon Disulfide	4.04	76	378661	45.088	ug/l	100
18) Methyl Acetate	4.33	43	123961	38.350	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	482406	48.932	ug/l	99
20) Methylene Chloride	4.55	84	169400	49.575	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	156262	49.205	ug/l	97
22) Diisopropyl ether	5.96	45	478305	48.529	ug/l	96
23) Vinyl Acetate	5.90	43	1529913	181.047	ug/l	100
24) 1,1-Dichloroethane	5.85	63	277805	48.411	ug/l	100
25) 2-Butanone	6.84	43	491925	223.240	ug/l	98
26) 2,2-Dichloropropane	6.82	77	136268	27.438	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	191785	51.764	ug/l	94
28) Bromochloromethane	7.19	49	139125	50.921	ug/l	97
29) Tetrahydrofuran	7.22	42	329177	235.892	ug/l	99
30) Chloroform	7.37	83	283680	49.570	ug/l	99
31) Cyclohexane	7.65	56	254542	47.246	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	249274	48.811	ug/l	99
36) 1,1-Dichloropropene	7.79	75	210058	47.312	ug/l	100
37) Ethyl Acetate	6.93	43	162445	37.856	ug/l	99
38) Carbon Tetrachloride	7.77	117	218827	47.316	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	254813	46.346	ug/l	98
40) Benzene	8.04	78	658826	49.236	ug/l	100
41) Methacrylonitrile	7.17	41	90881	41.921	ug/l	89
42) 1,2-Dichloroethane	8.12	62	212129	48.515	ug/l	100
43) Isopropyl Acetate	8.17	43	293882	40.761	ug/l #	91
44) Trichloroethene	8.83	130	187575	50.283	ug/l	98
45) 1,2-Dichloropropane	9.12	63	170760	48.980	ug/l	98
46) Dibromomethane	9.21	93	115225	50.396	ug/l	97
47) Bromodichloromethane	9.40	83	225687	48.139	ug/l	99
48) Methyl methacrylate	9.20	41	167182	50.313	ug/l	99
49) 1,4-Dioxane	9.20	88	65093	942.667	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1034223	242.879	ug/l	99
52) Toluene	10.16	92	424266	50.414	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	224324	44.826	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	249646	45.031	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	170954	50.707	ug/l	99
56) Ethyl methacrylate	10.43	69	260572	50.009	ug/l	99
57) 1,3-Dichloropropane	10.71	76	274283	50.050	ug/l	100
59) 2-Hexanone	10.75	43	722748	239.258	ug/l	100
60) Dibromochloromethane	10.90	129	194947	49.636	ug/l	100
61) 1,2-Dibromoethane	11.00	107	175132	50.081	ug/l	99
64) Tetrachloroethene	10.63	164	181907	47.663	ug/l	99
65) Chlorobenzene	11.43	112	460313	50.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	176984	48.986	ug/l	100
67) Ethyl Benzene	11.51	91	796888	49.055	ug/l	98
68) m/p-Xylenes	11.62	106	612015	99.655	ug/l	99
69) o-Xylene	11.95	106	299705	49.188	ug/l	100
70) Stvrene	11.96	104	493904	50.056	ug/l	100
71) Bromoform	12.13	173	149594	48.543	ug/l #	100
73) Isopropylbenzene	12.25	105	790707	53.675	ug/l	100
74) N-amyl acetate	12.07	43	221565	38.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	237444	54.523	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	189117m	53.031	ug/l	
77) Bromobenzene	12.53	156	217460	49.028	ug/l	95
78) n-propylbenzene	12.59	91	841108	46.559	ug/l	99
79) 2-Chlorotoluene	12.67	91	512935	52.859	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	648134	52.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58618	37.945	ug/l	99
82) 4-Chlorotoluene	12.77	91	500557	47.137	ug/l	99
83) tert-Butylbenzene	12.99	119	582420	54.407	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	644728	51.983	ug/l	99
85) sec-Butylbenzene	13.17	105	734102	52.587	ug/l	100
86) p-Isopropyltoluene	13.29	119	670281	46.436	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	347403	49.466	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	335229	50.205	ug/l	99
89) n-Butylbenzene	13.61	91	509720	46.087	ug/l	99
90) Hexachloroethane	13.87	117	121102	44.078	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	346333	49.427	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40501	43.976	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	186438	46.519	ug/l	100

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	125035	50.731	ug/l	99
95) Naphthalene	15.13	128	503993	52.417	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	193601	52.269	ug/l	98

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

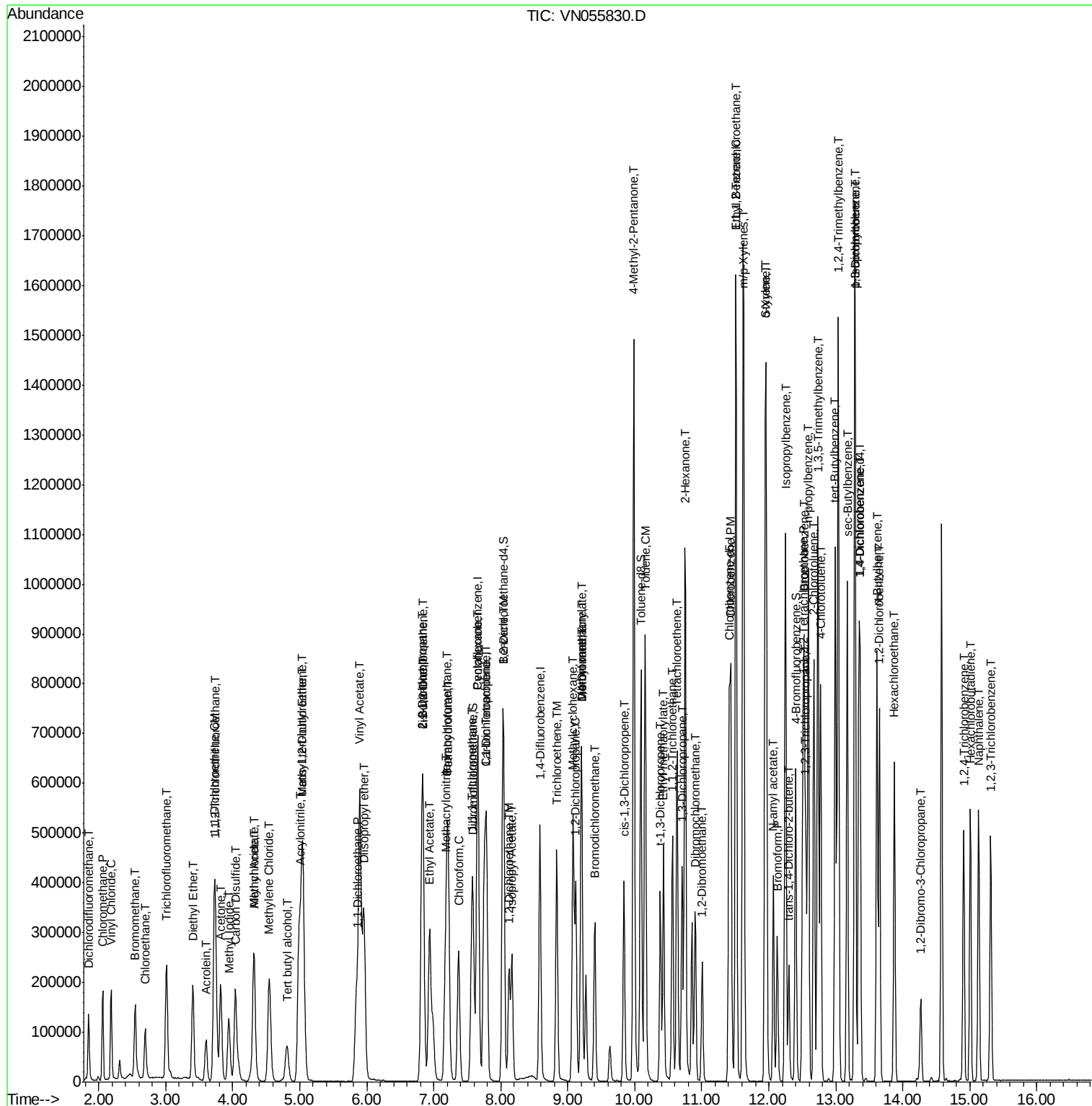
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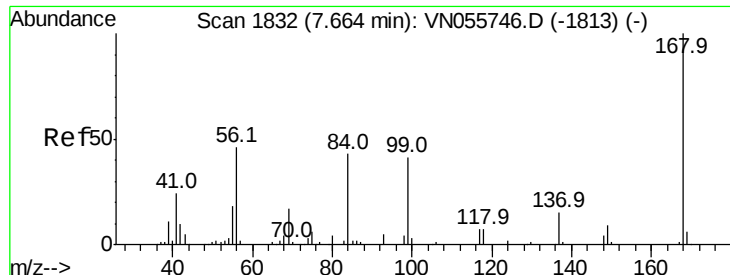
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MSD

Tot Ion:168 Resp: 347570

Ion Ratio Lower Upper

168 100

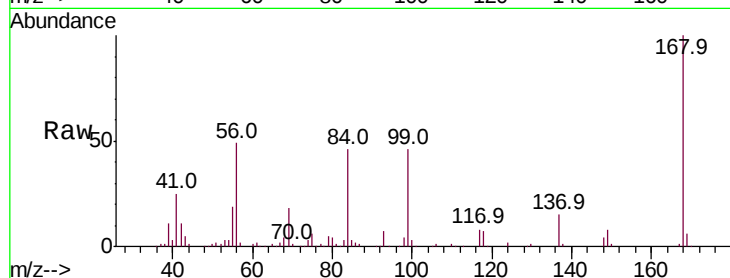
99 45.2 37.2 55.8

Manual Integrations

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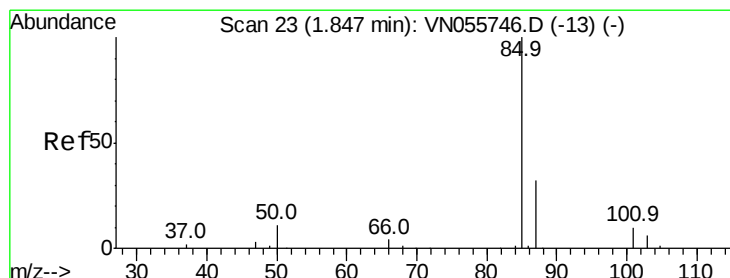
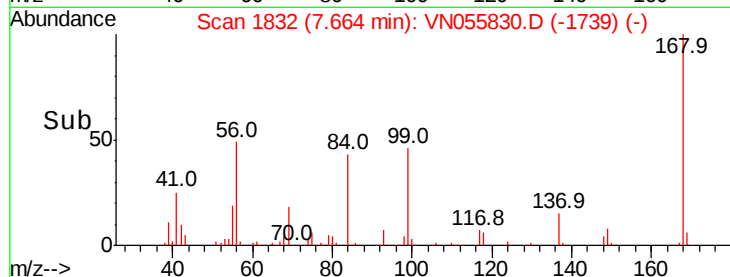
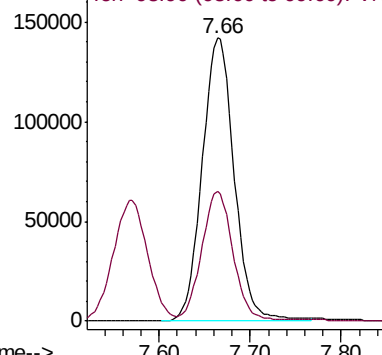
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 47.396 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055830.D

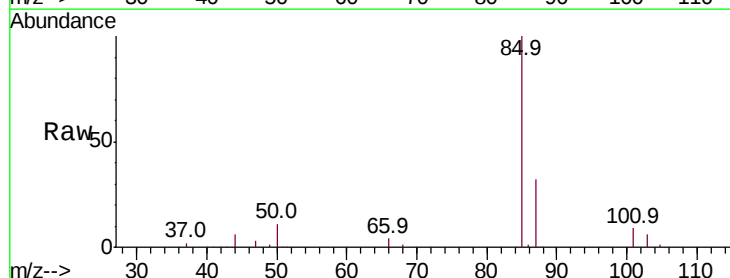
Acq: 25 May 2019 6:19

Tgt Ion: 85 Resp: 110867

Ion Ratio Lower Upper

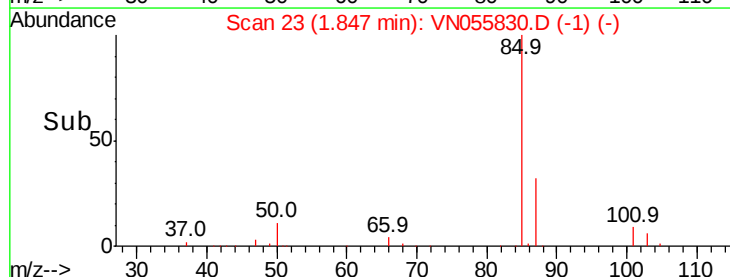
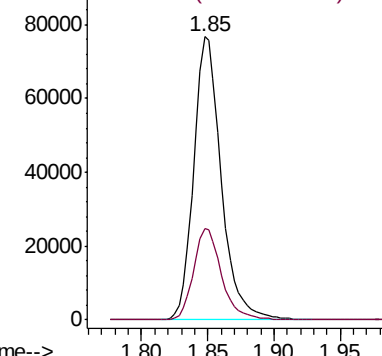
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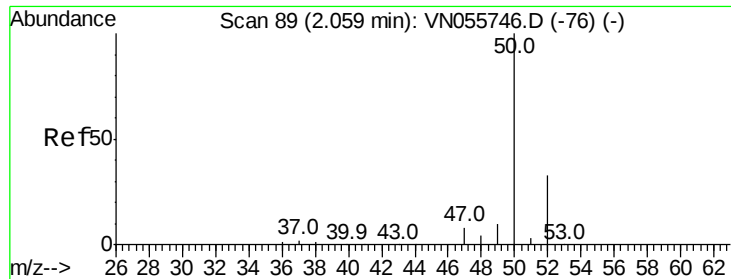
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





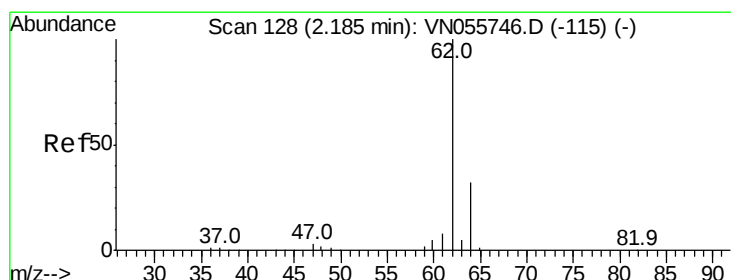
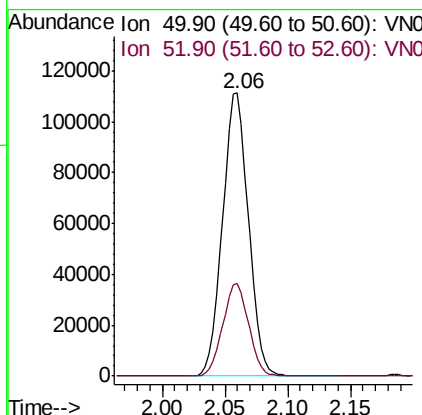
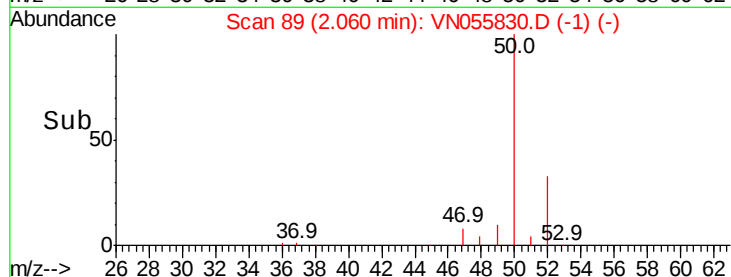
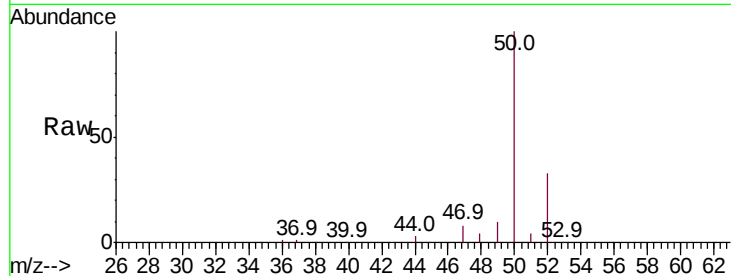
#3
 Chloromethane
 Concen: 48.569 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.6	40.0

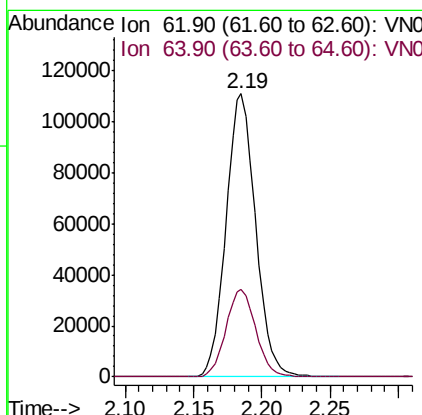
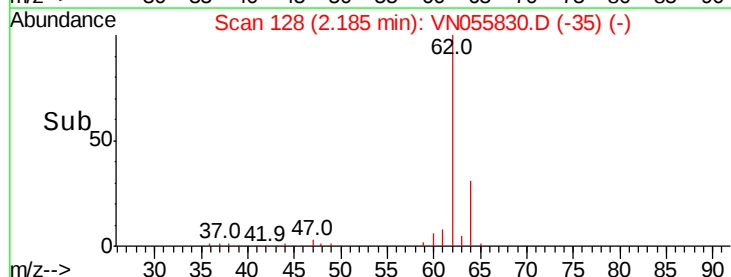
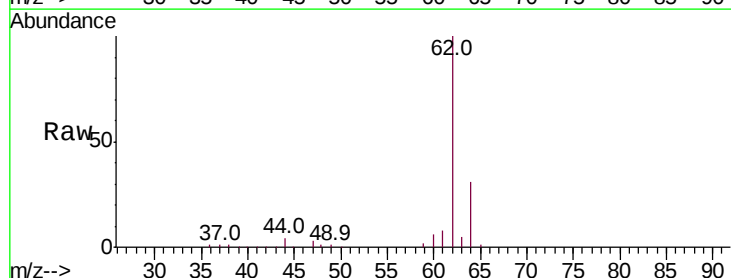
Manual Integrations
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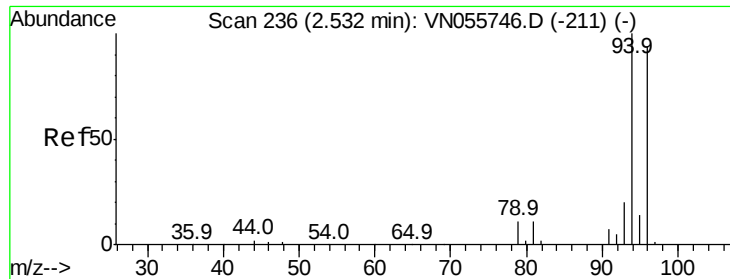
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#4
 Vinyl Chloride
 Concen: 47.814 ug/l
 RT: 2.19 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.6	38.4





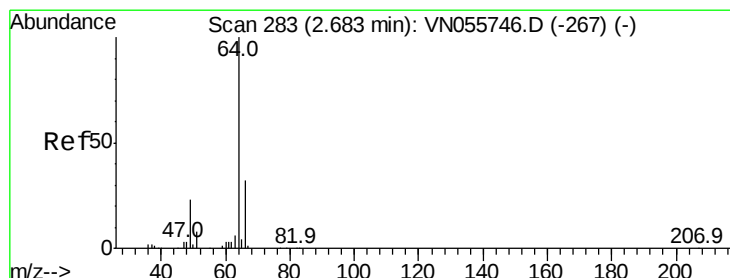
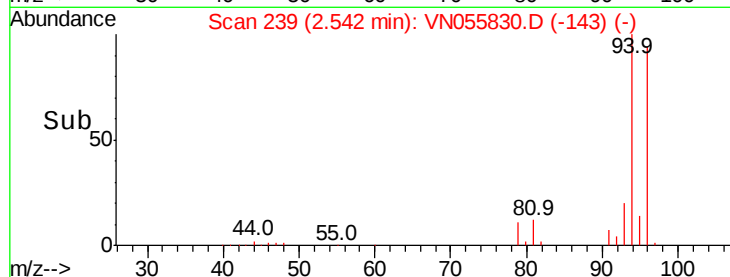
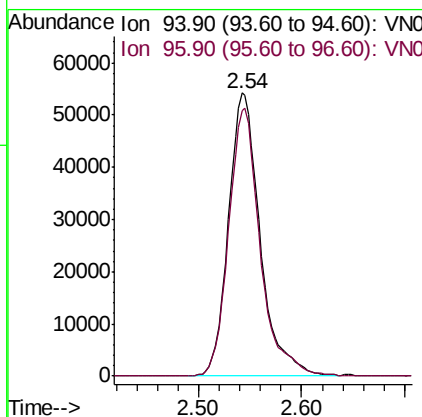
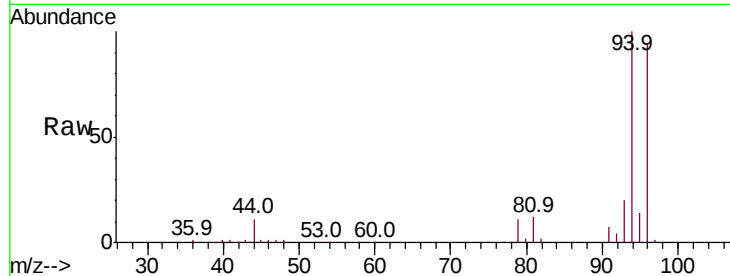
#5
Bromomethane
Concen: 52.993 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
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Tot Ion: 94 Resp: 115892
Ion Ratio Lower Upper
94 100
96 93.7 75.5 113.3

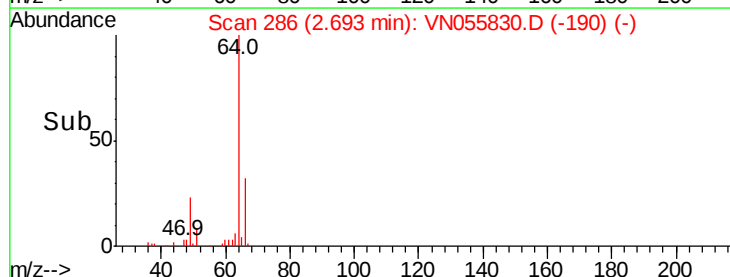
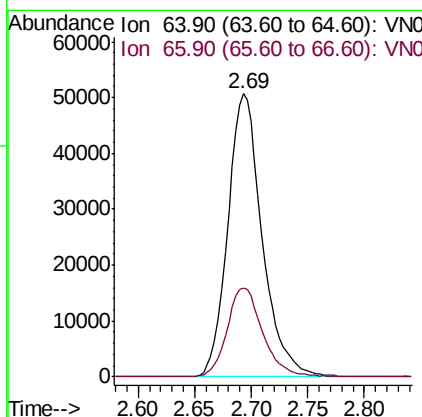
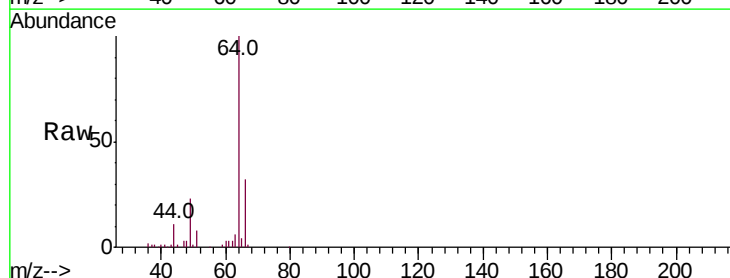
Manual Integrations
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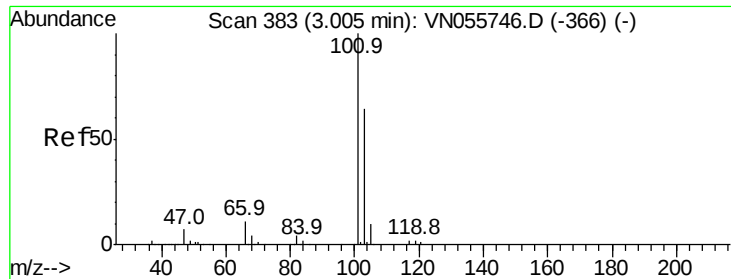
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#6
Chloroethane
Concen: 50.807 ug/l
RT: 2.69 min Scan# 286
Delta R.T. 0.01 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion: 64 Resp: 106930
Ion Ratio Lower Upper
64 100
66 31.5 25.4 38.0





#7

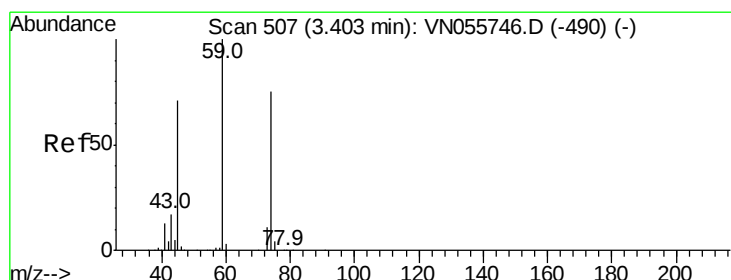
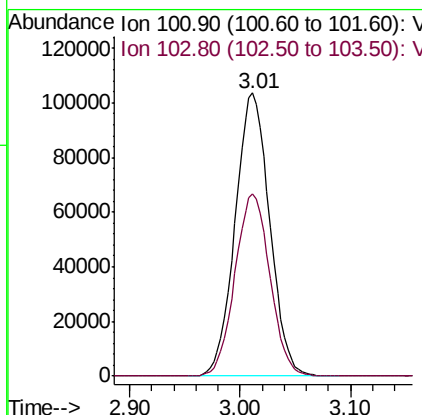
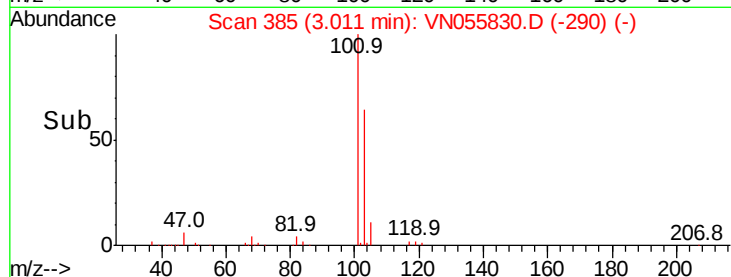
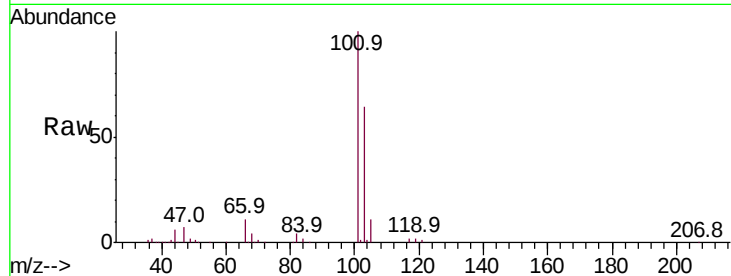
Trichlorofluoromethane
Concen: 48.988 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.01 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	224510		
103	64.4	51.2	76.8	

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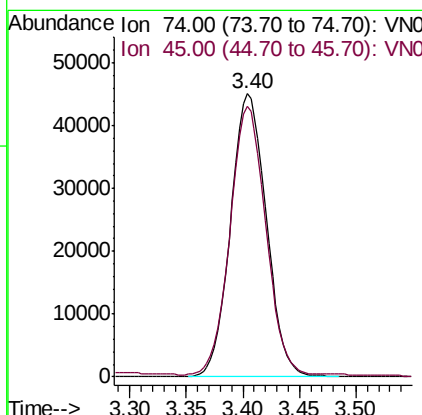
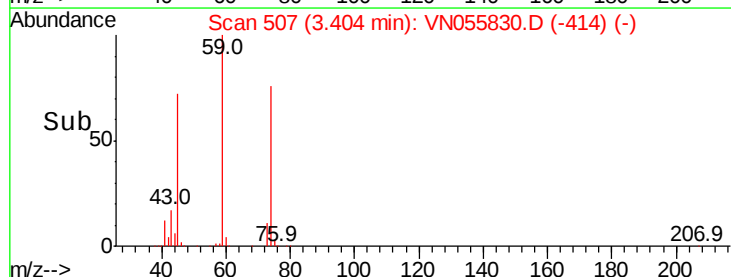
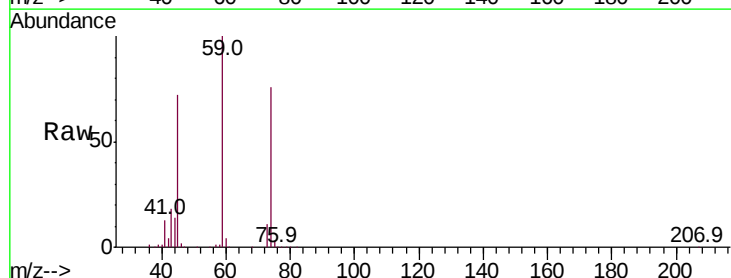
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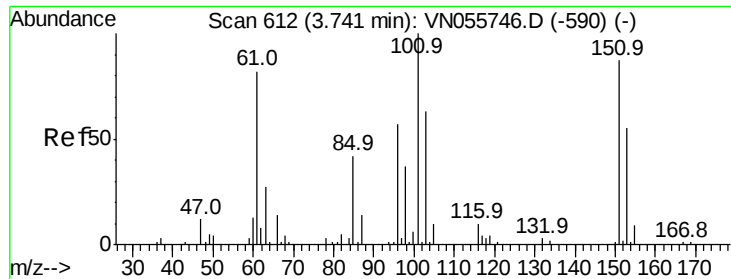


#8

Diethyl Ether
Concen: 48.339 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	99292		
45	94.8	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.504 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

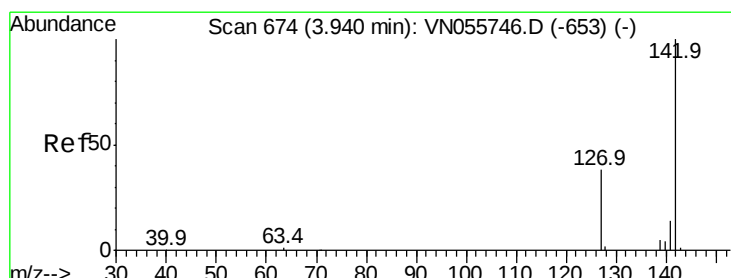
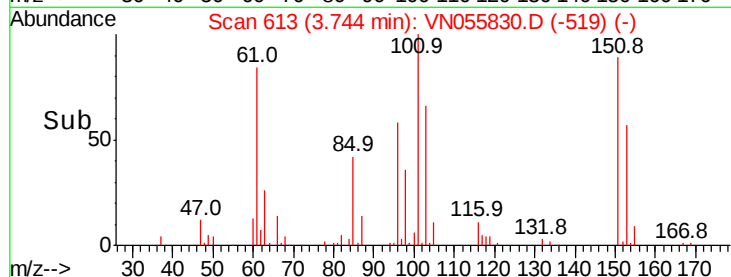
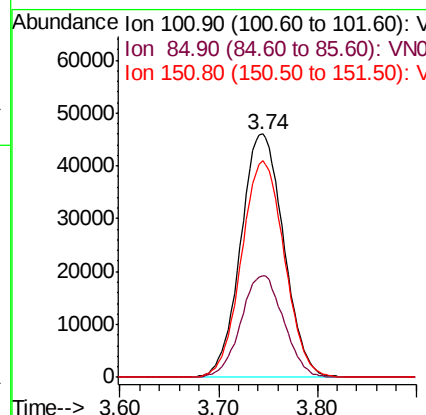
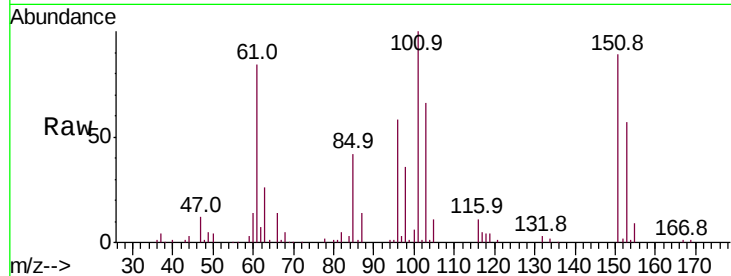
ClientSampleId :

MW2-R1-1MSD

Tot Ion:	101	Resp:	138762
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.2
151	89.1	69.4	104.2

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#10

Methyl Iodide

Concen: 51.651 ug/l

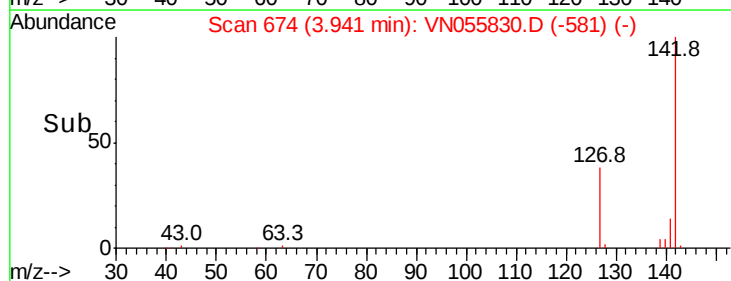
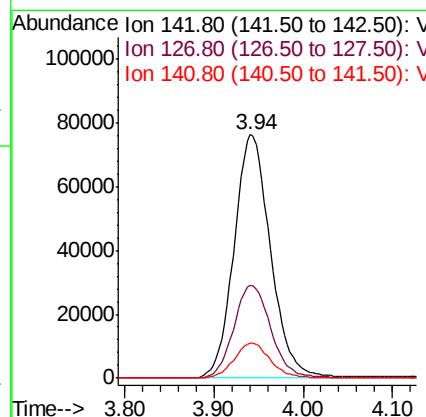
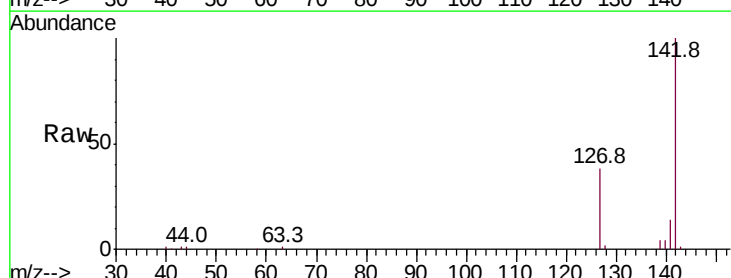
RT: 3.94 min Scan# 674

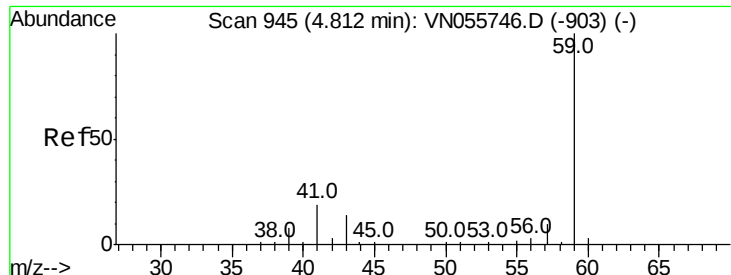
Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tgt Ion:	142	Resp:	216034
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.4
141	14.3	11.4	17.0





#11

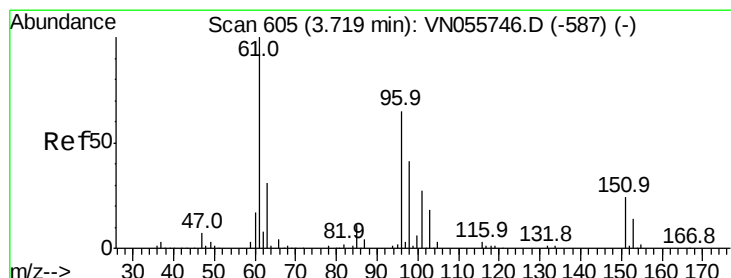
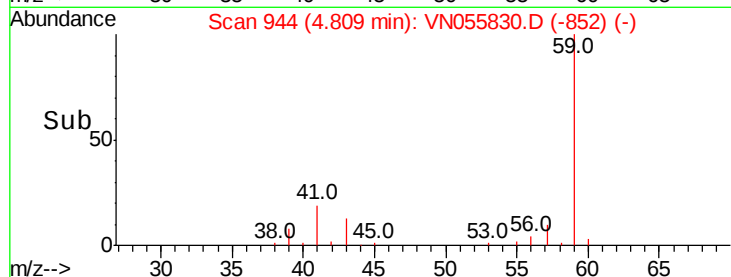
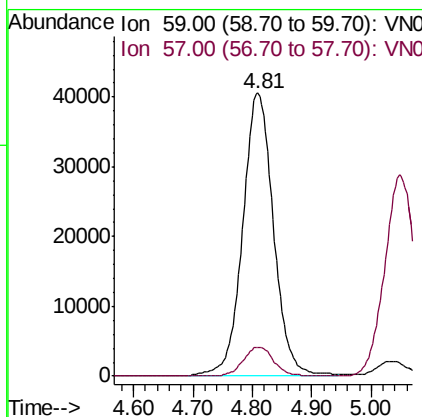
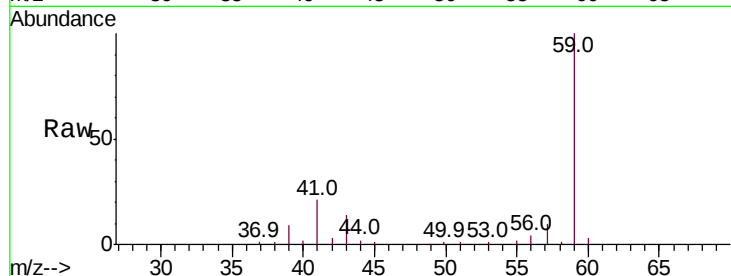
Tert butyl alcohol
Concen: 214.597 ug/l
RT: 4.81 min Scan# 944
Delta R.T. -0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampled :
MW2-R1-1MSD

Tot Ion	59	57	Ratio	100	10.0	Resp	Lower	Upper
147175								
							7.8	11.6

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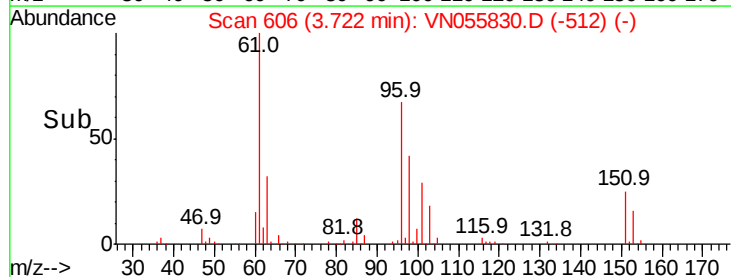
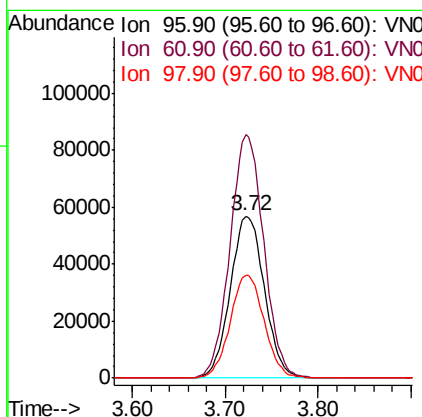
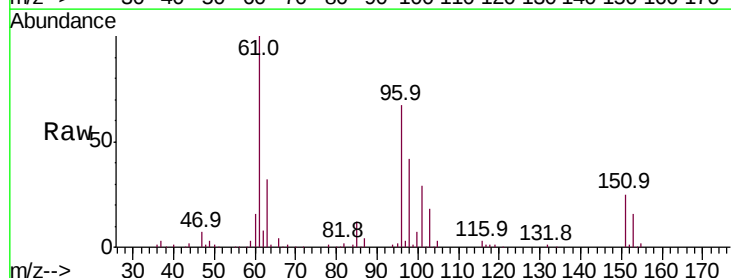
MMDadoda
5/28/2019 10:36:54 AM

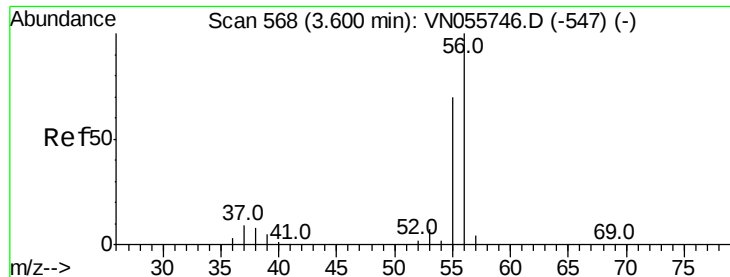


#12

1,1-Dichloroethene
Concen: 49.142 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	96	61	98	Ratio	100	150.1	63.4	Resp	Lower	Upper
145261										
									123.2	184.8
									50.4	75.6





#13

Acrolein

Concen: 198.749 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MSD

Tot Ion: 56 Resp: 97601

Ion Ratio Lower Upper

56 100

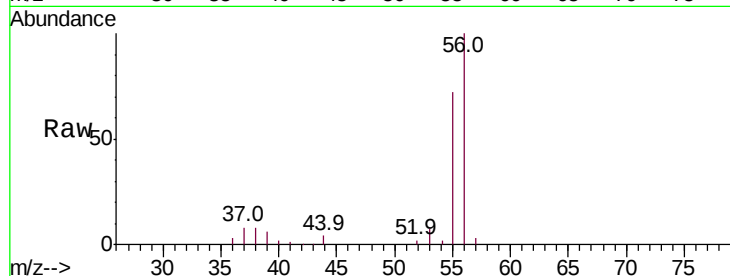
55 71.4 55.4 83.2

Manual Integrations

APPROVED

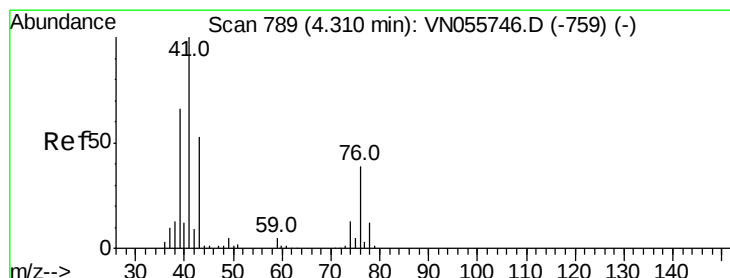
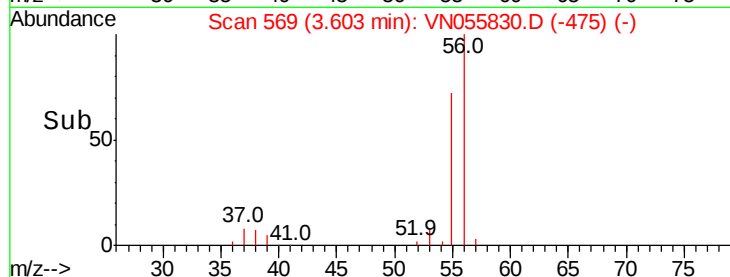
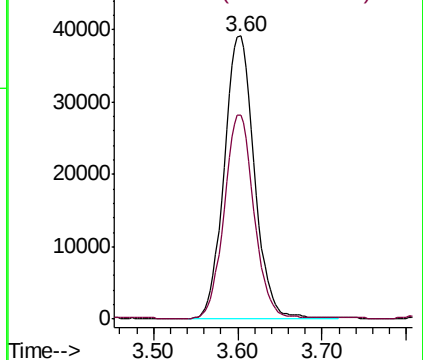
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 55.00 (54.70 to 55.70): VNC



#14

Allyl chloride

Concen: 44.617 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

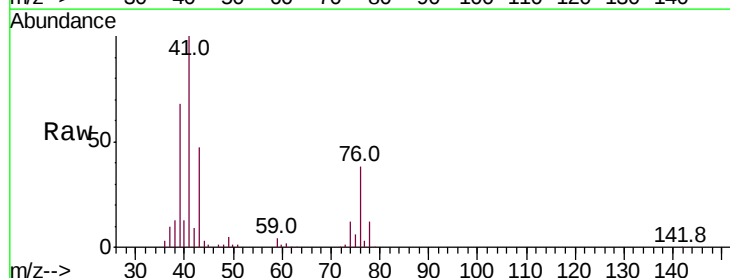
Tgt Ion: 41 Resp: 226093

Ion Ratio Lower Upper

41 100

39 62.7 50.0 75.0

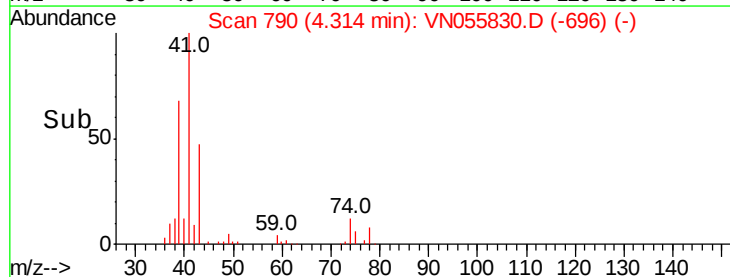
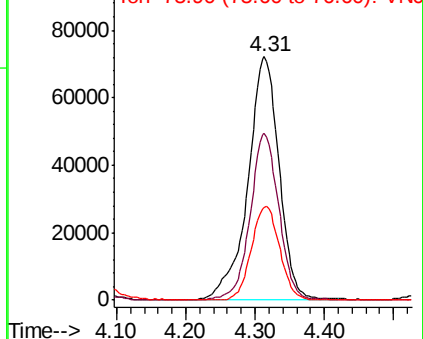
76 34.8 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 75.90 (75.60 to 76.60): VNC





#15

Acrylonitrile

Concen: 246.147 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

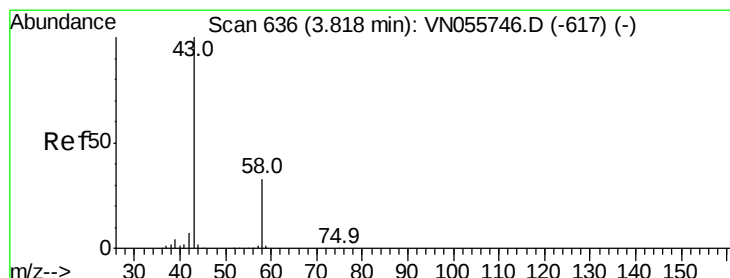
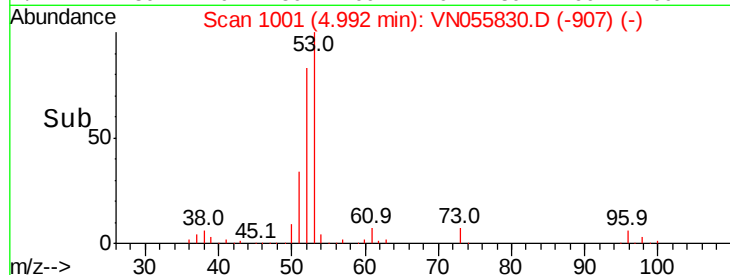
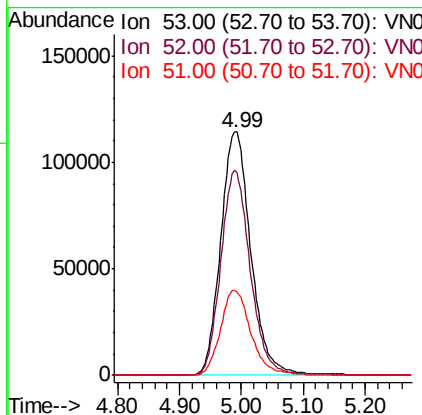
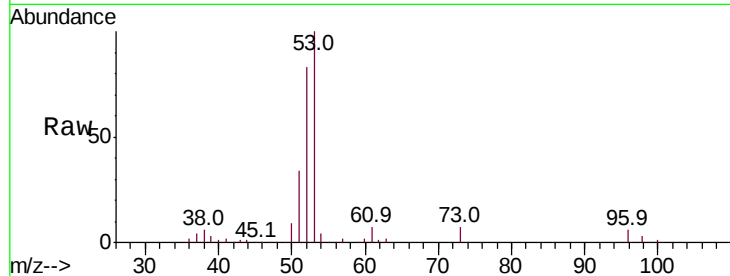
ClientSampleId :

MW2-R1-1MSD

Tot Ion:	53	Resp:	387637
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.8	98.8
51	35.3	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 201.920 ug/l

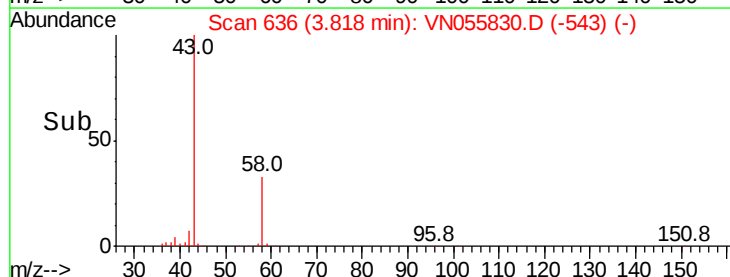
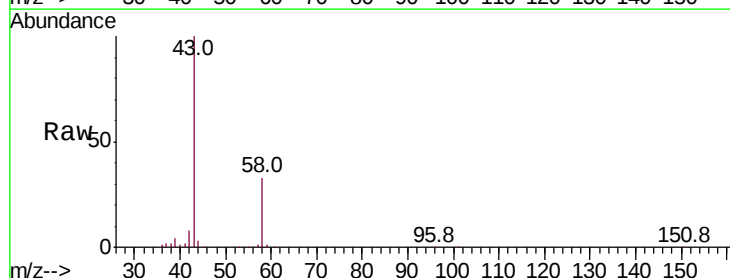
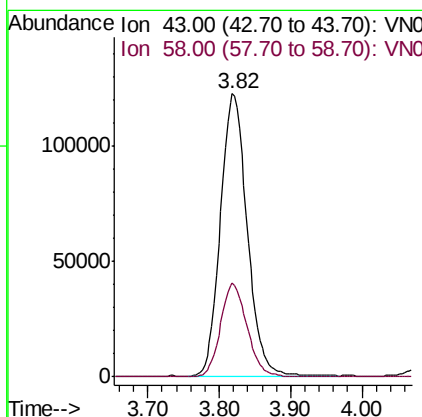
RT: 3.82 min Scan# 636

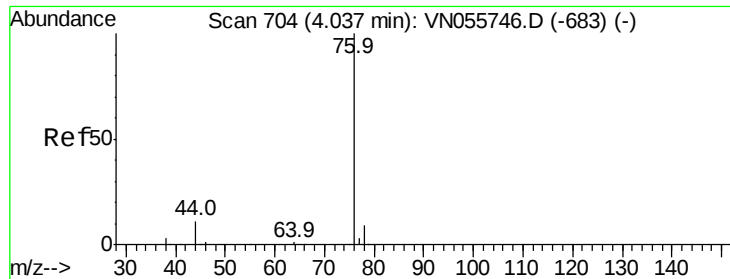
Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tgt Ion:	43	Resp:	318596
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.6	39.8





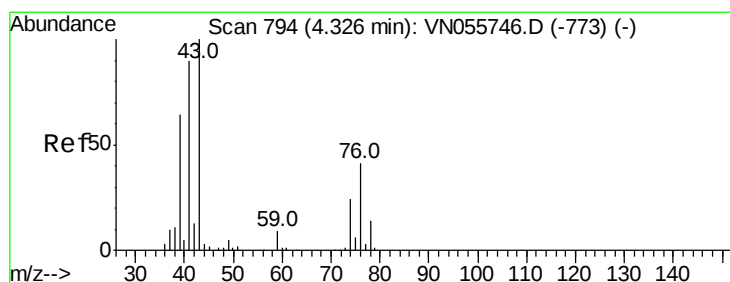
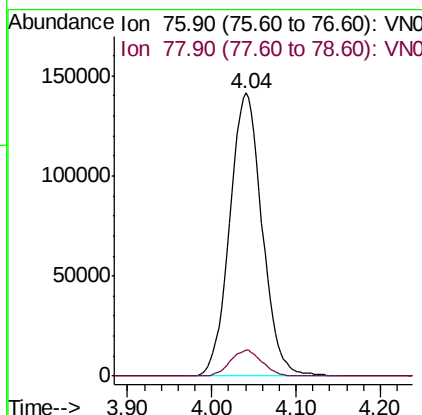
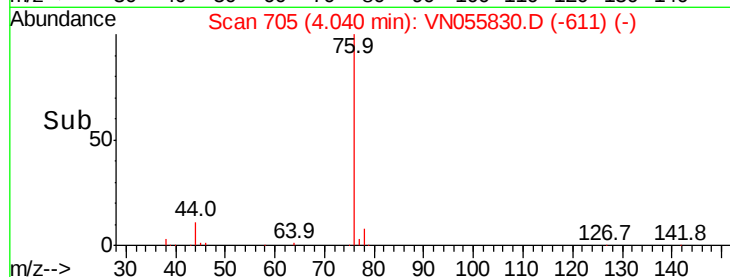
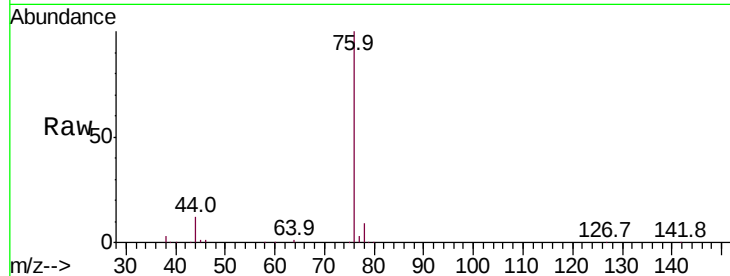
#17
Carbon Disulfide
Concen: 45.088 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

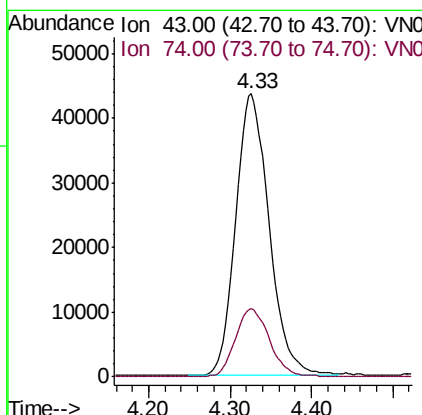
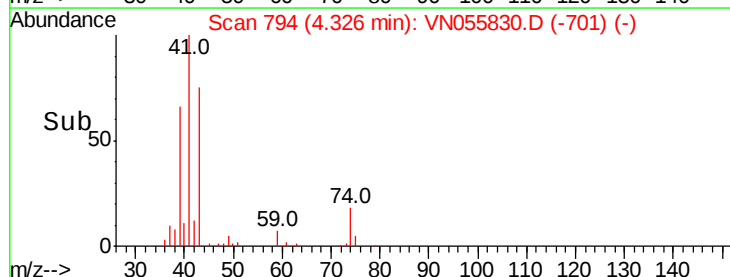
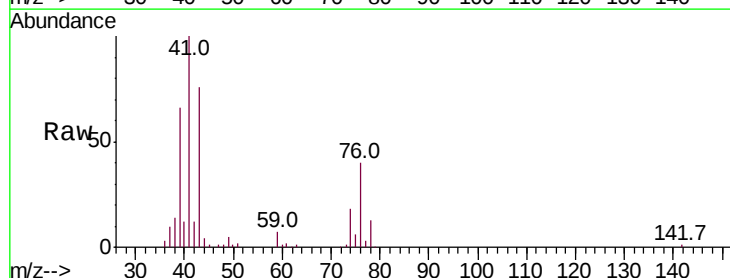
Manual Integrations
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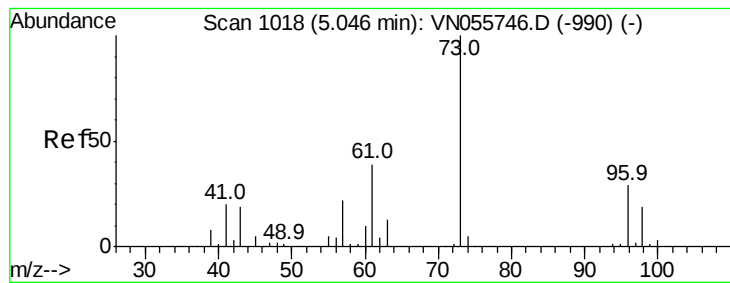
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#18
Methyl Acetate
Concen: 38.350 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.3	28.9





#19

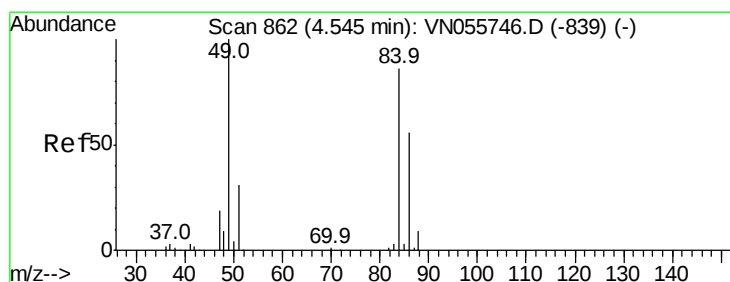
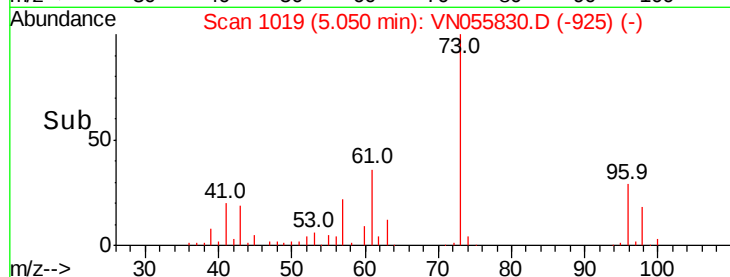
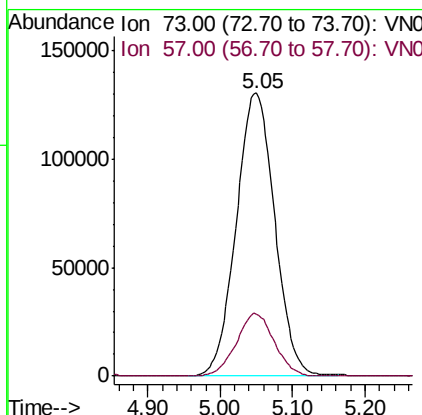
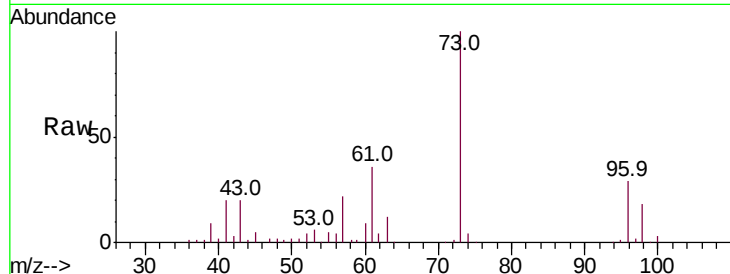
Methyl tert-butyl Ether
 Concen: 48.932 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MSD

Tot Ion: 73 Resp: 482406
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.8 26.8

Manual Integrations
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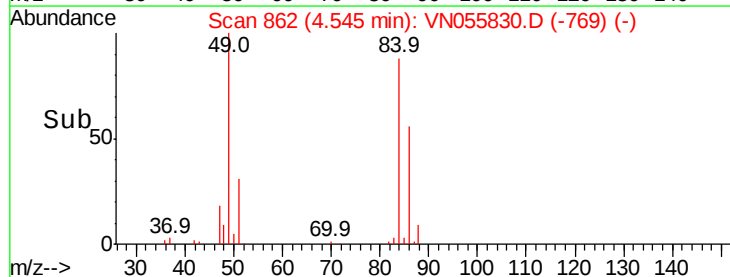
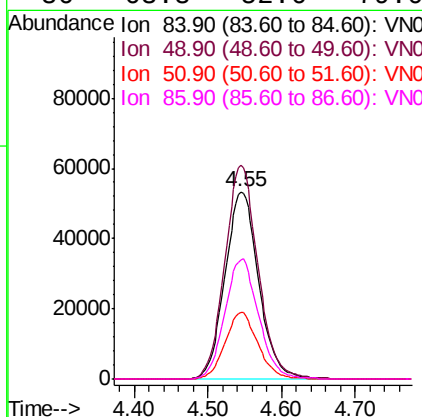
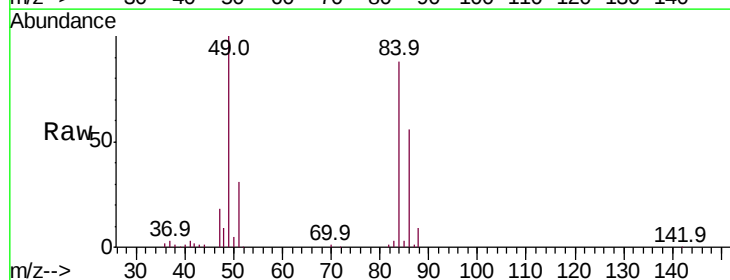
MMDadoda
 5/28/2019 10:36:54 AM

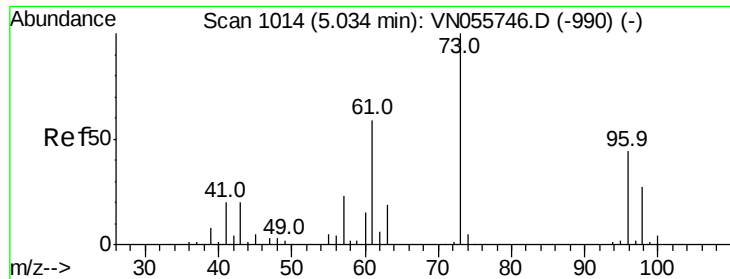


#20

Methylene Chloride
 Concen: 49.575 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Tgt Ion: 84 Resp: 169400
 Ion Ratio Lower Upper
 84 100
 49 114.1 93.5 140.3
 51 35.7 28.6 43.0
 86 63.8 52.6 79.0





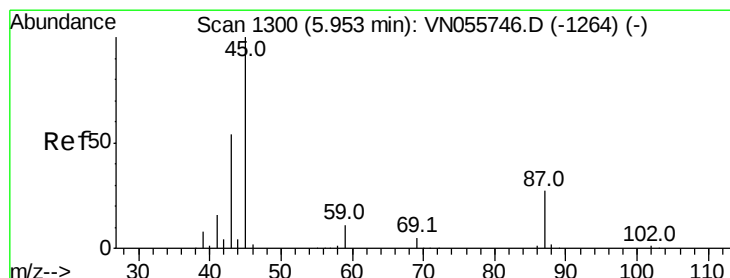
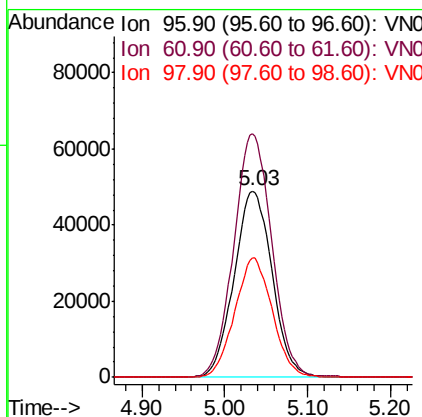
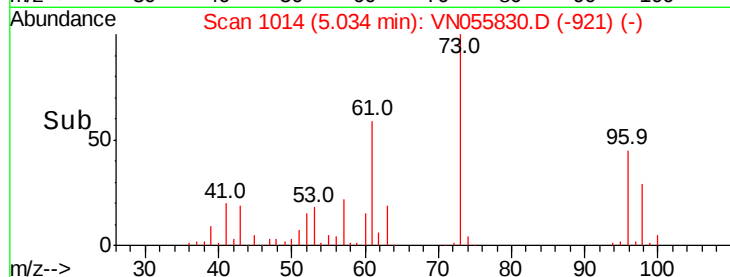
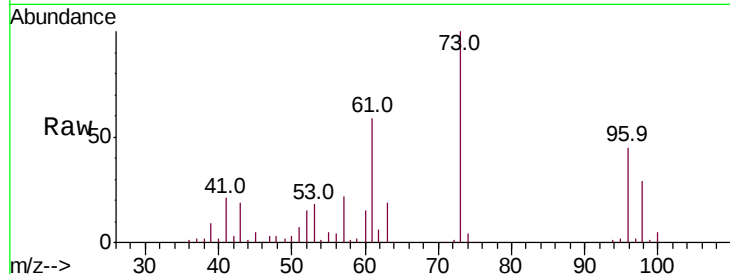
#21
trans-1,2-Dichloroethene
Concen: 49.205 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	107.8	161.8
98	64.3	49.8	74.8

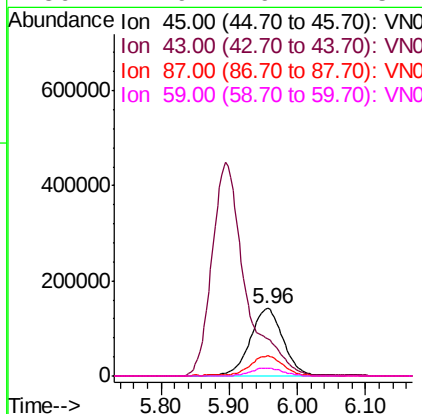
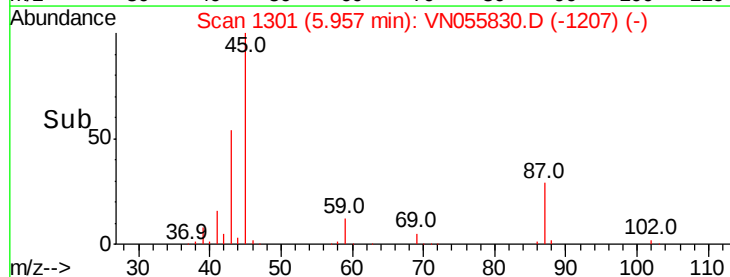
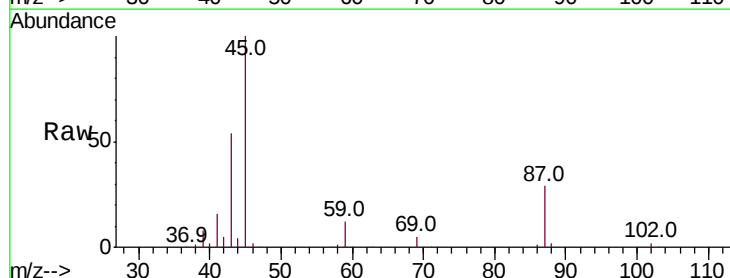
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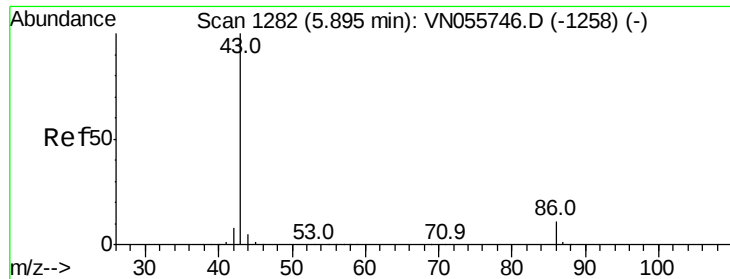
MMDadoda
5/28/2019 10:36:54 AM



#22
Diisopropyl ether
Concen: 48.529 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.0	45.0	67.6
87	29.2	22.2	33.4
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 181.047 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

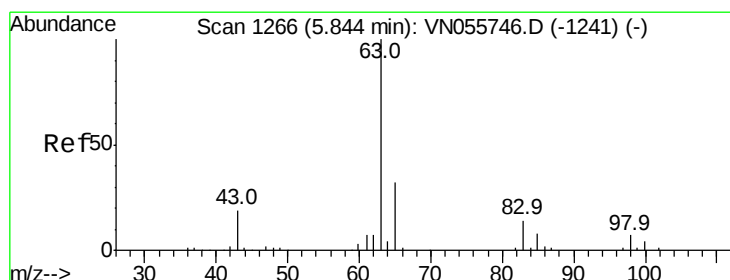
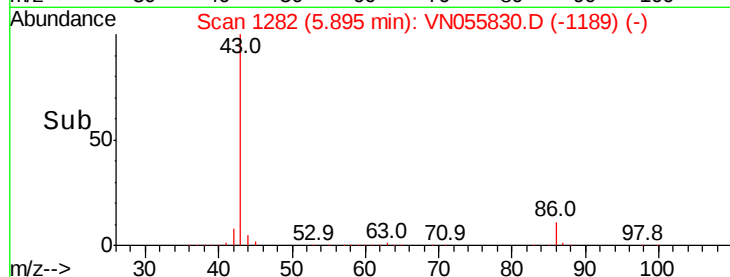
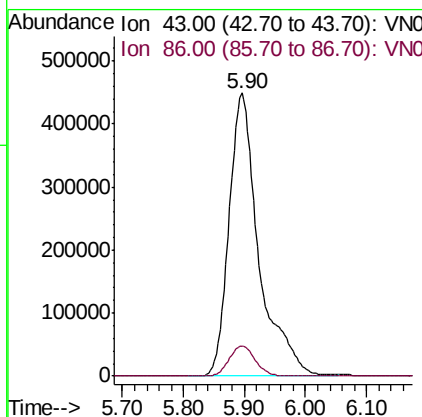
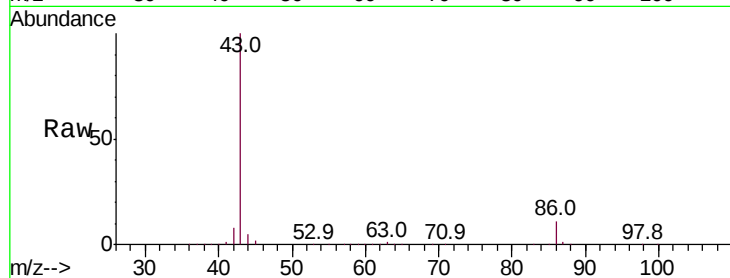
Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion: 43 Resp: 1529913

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	13.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 48.411 ug/l

RT: 5.85 min Scan# 1267

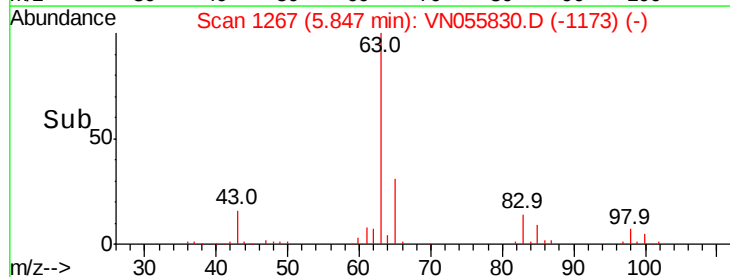
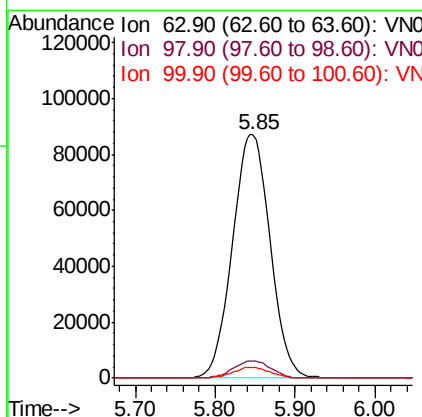
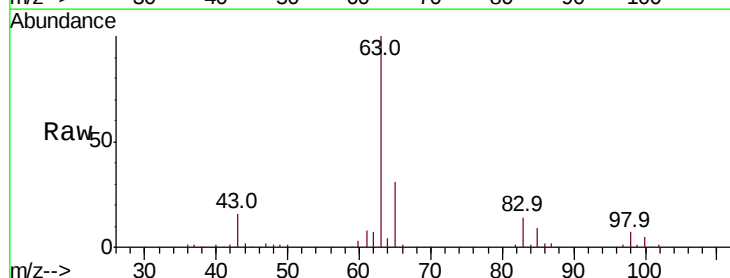
Delta R.T. 0.00 min

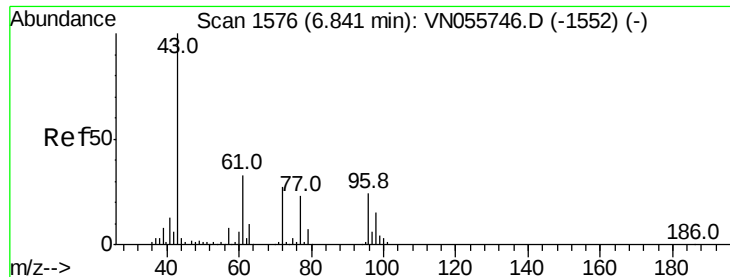
Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tgt Ion: 63 Resp: 277805

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	4.6	2.2	6.6





#25

2-Butanone

Concen: 223.240 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MSD

Tot Ion: 43 Resp: 491925

Ion Ratio Lower Upper

43 100

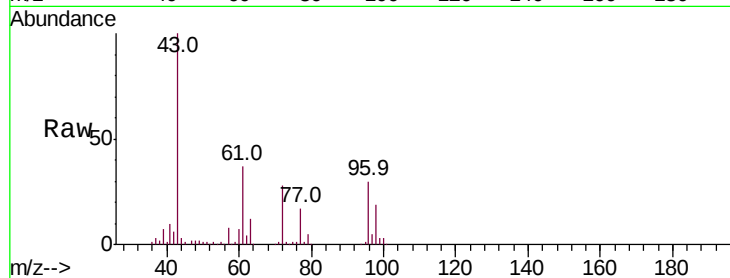
72 28.2 21.9 32.9

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Abundance Ion 43.00 (42.70 to 43.70): VN0

200000 Ion 72.00 (71.70 to 72.70): VN0

150000

100000

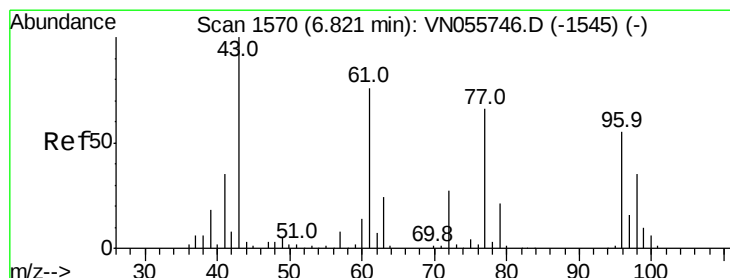
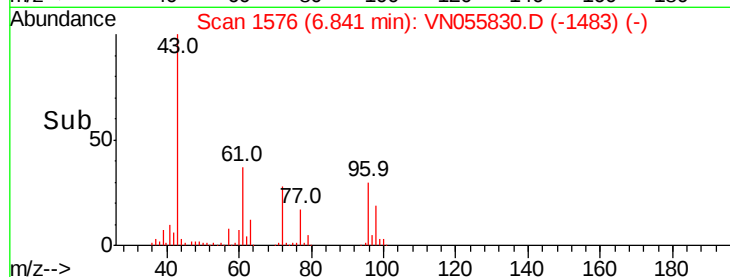
50000

0

6.75 6.80 6.85 6.90

6.84

Time-->



#26

2,2-Dichloropropane

Concen: 27.438 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055830.D

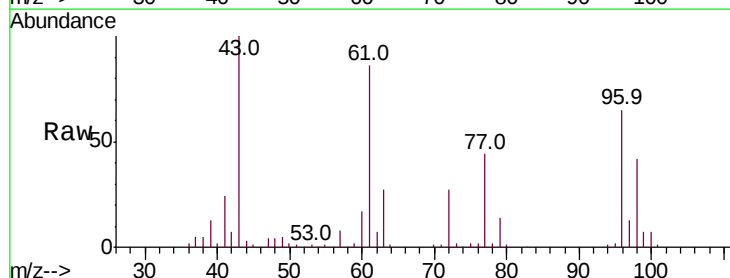
Acq: 25 May 2019 6:19

Tgt Ion: 77 Resp: 136268

Ion Ratio Lower Upper

77 100

97 27.0 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

50000 Ion 96.90 (96.60 to 97.60): VN0

40000

30000

20000

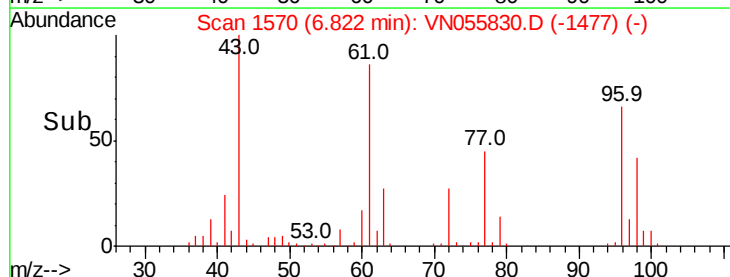
10000

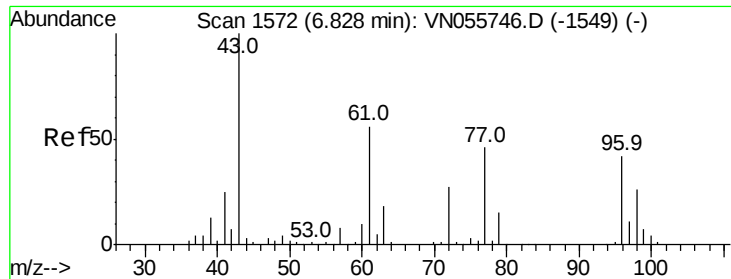
0

6.70 6.80 6.90

6.82

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.764 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tot Ion:	96	Resp:	191785
Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	275.8
98	64.7	0.0	128.4

Instrument :

MSVOA_N

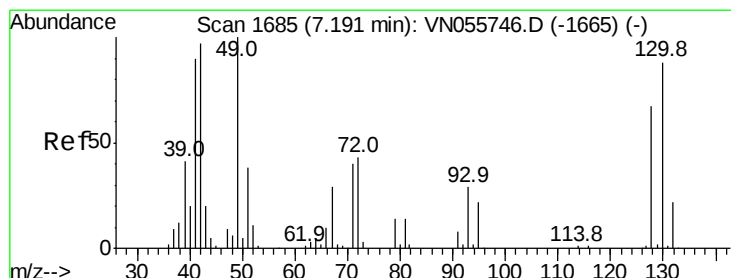
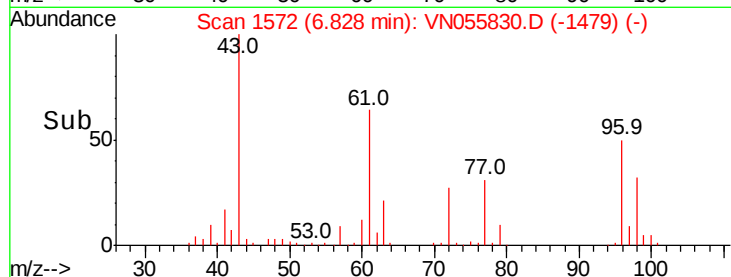
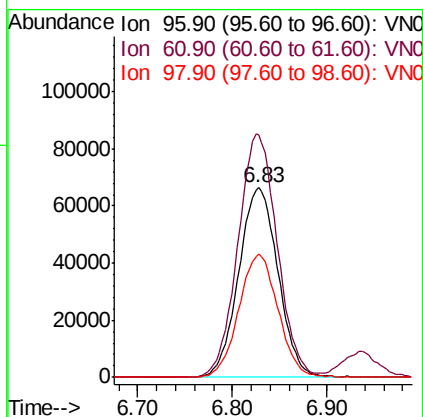
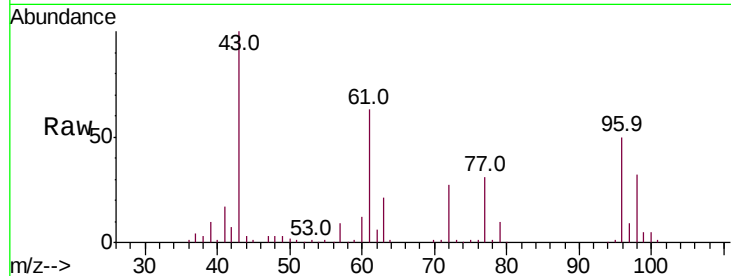
ClientSampleId :

MW2-R1-1MSD

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#28

Bromochloromethane

Concen: 50.921 ug/l

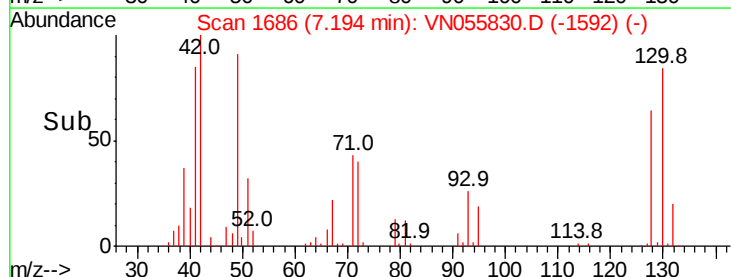
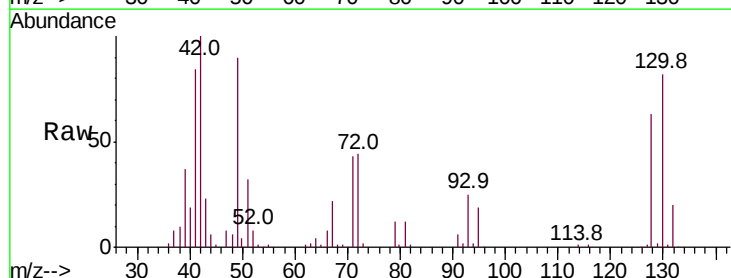
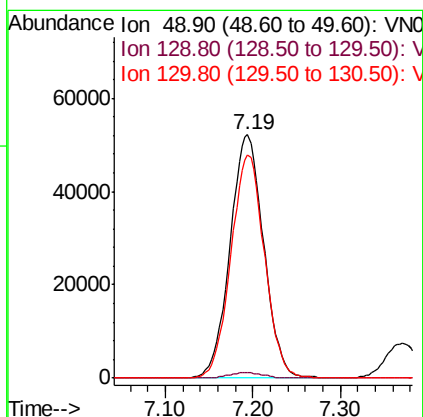
RT: 7.19 min Scan# 1686

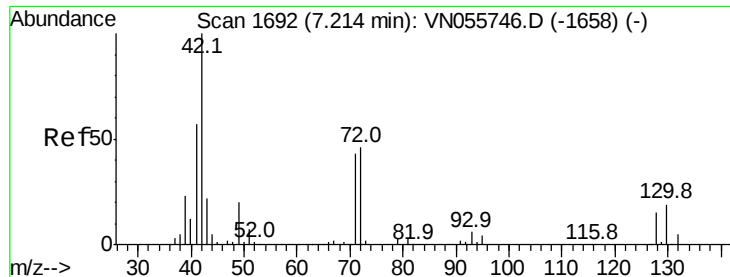
Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tgt Ion:	49	Resp:	139125
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	91.5	71.2	106.8





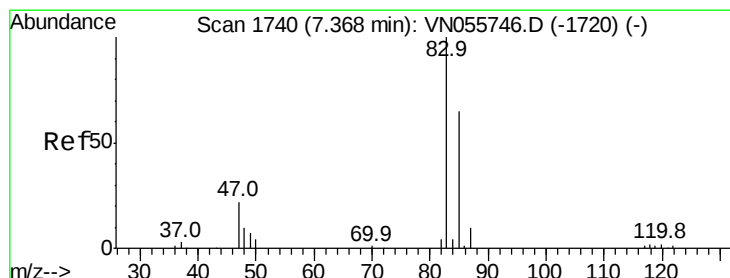
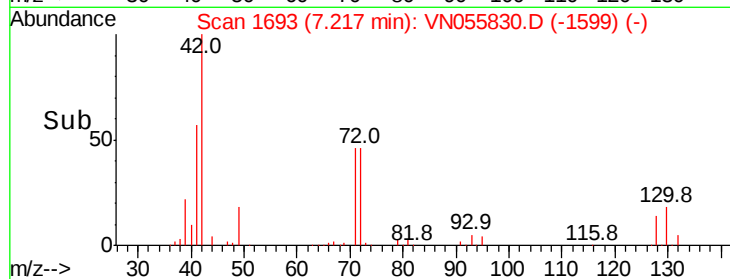
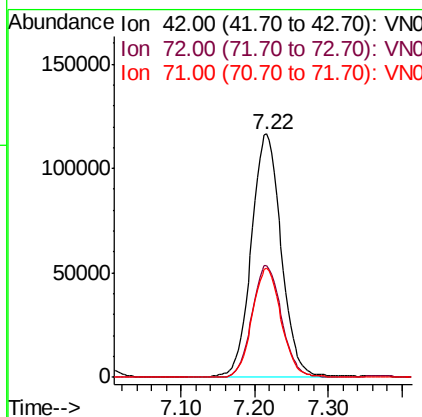
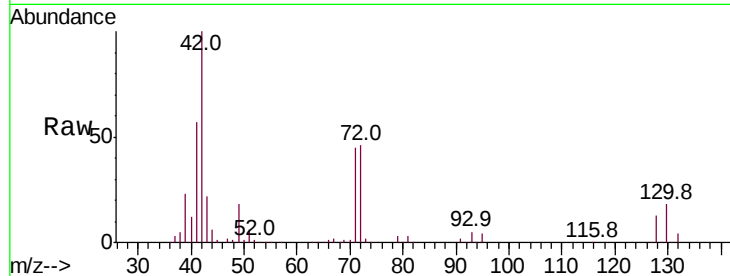
#29
Tetrahydrofuran
Concen: 235.892 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	43.5	34.0	51.0

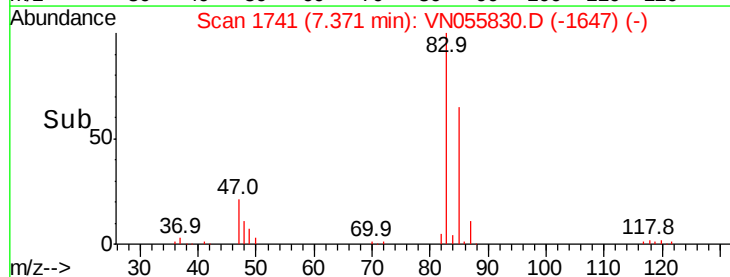
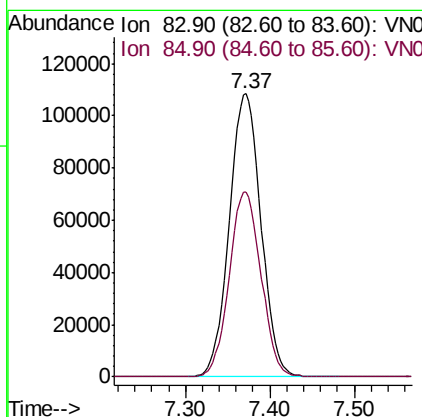
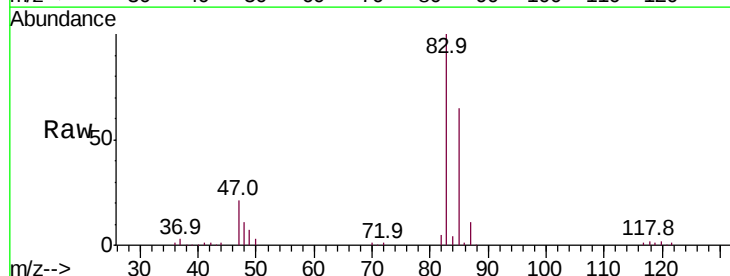
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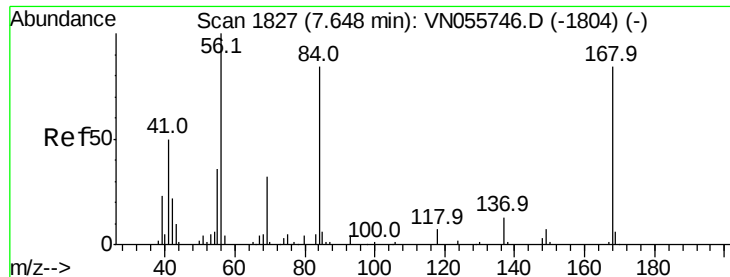
MMDadoda
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#30
Chloroform
Concen: 49.570 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.8	77.8





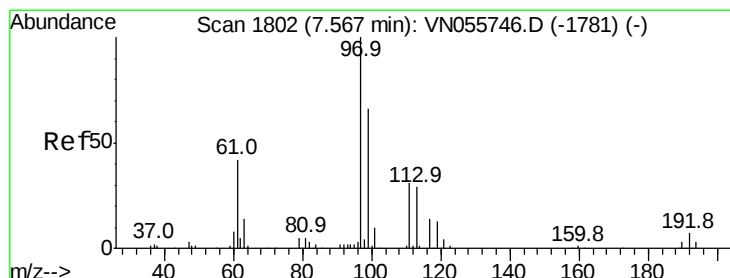
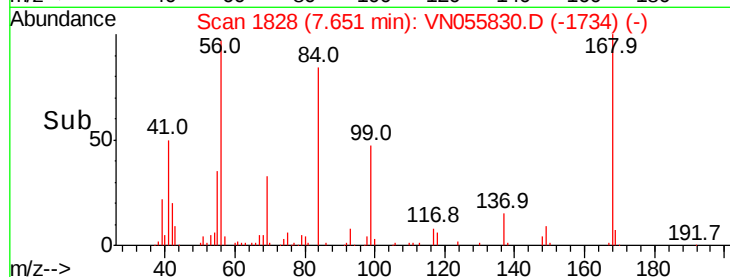
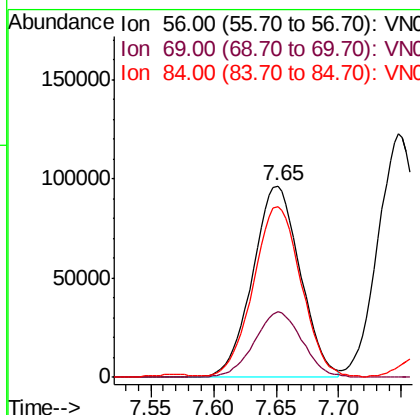
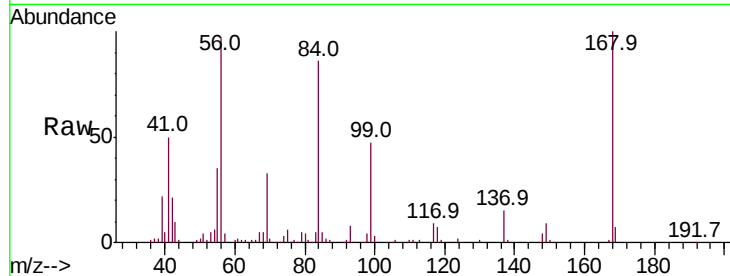
#31
Cyclohexane
Concen: 47.246 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	25.6	38.4
84	88.1	67.4	101.0

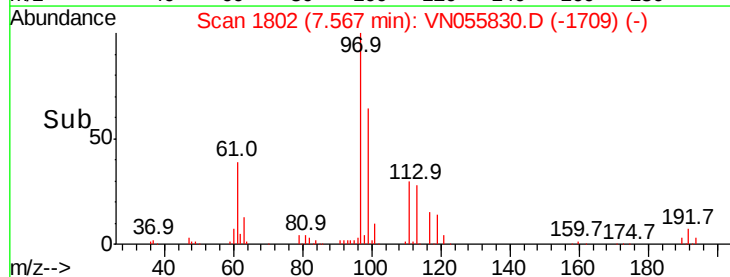
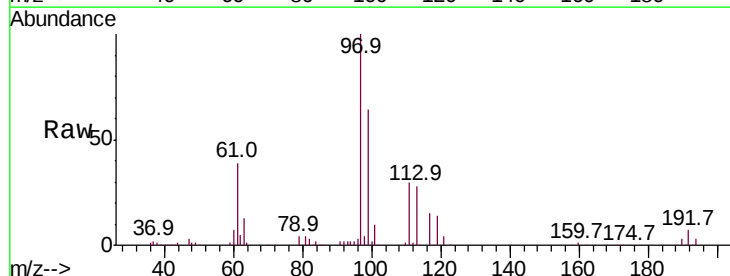
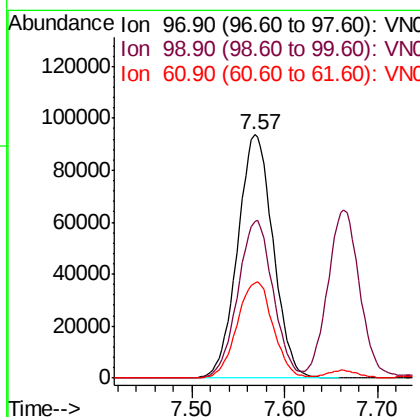
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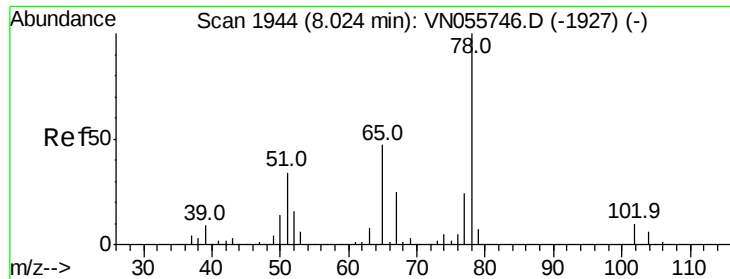
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.811 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	40.0	32.9	49.3





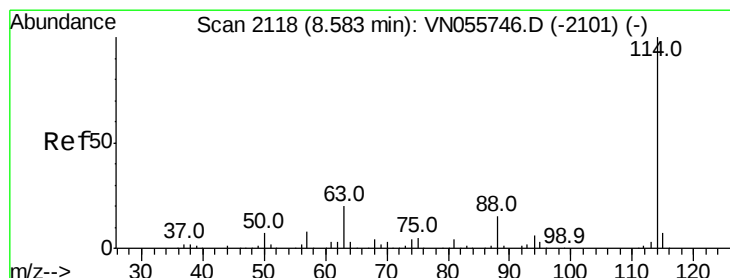
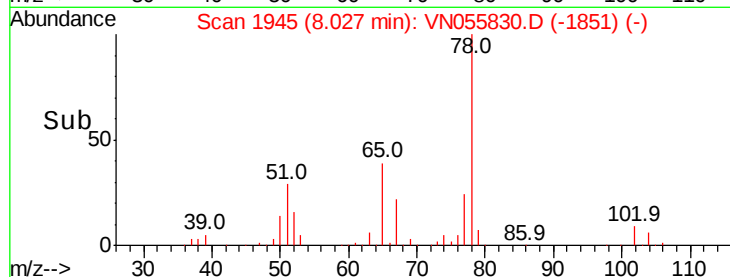
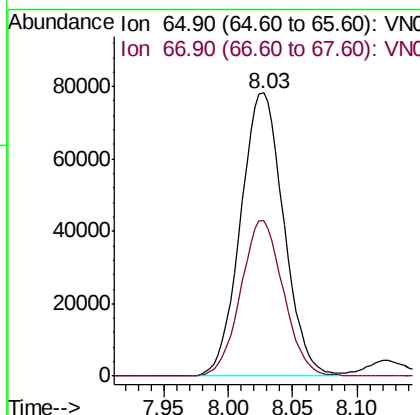
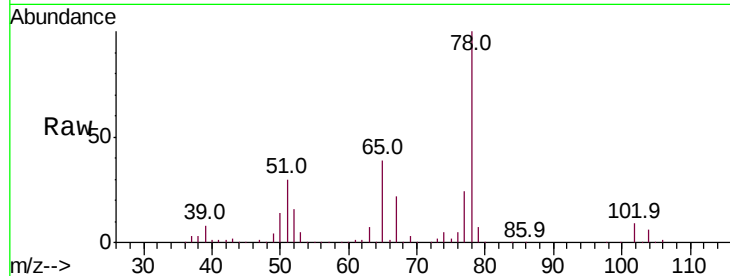
#33
 1,2-Dichloroethane-d4
 Concen: 50.842 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182494		
67	54.5	0.0	109.2	

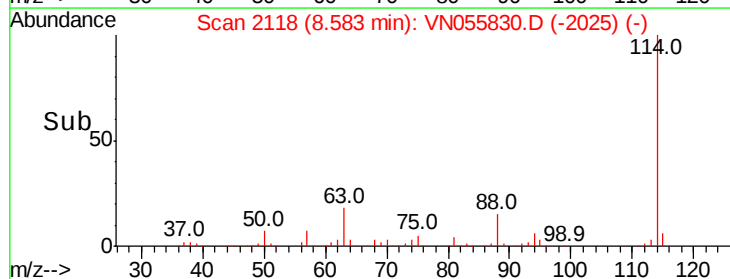
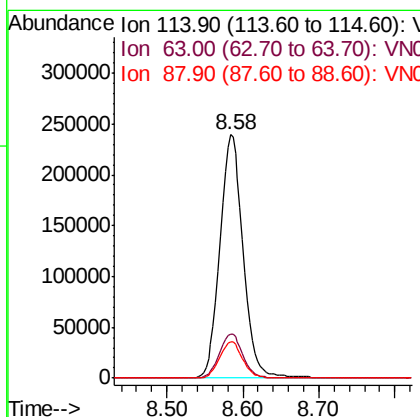
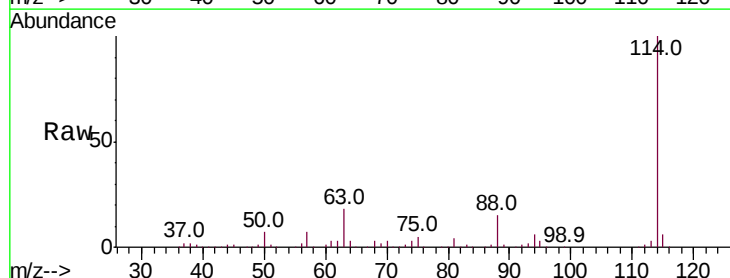
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	509479		
63	18.2	0.0	39.2	
88	14.9	0.0	31.0	





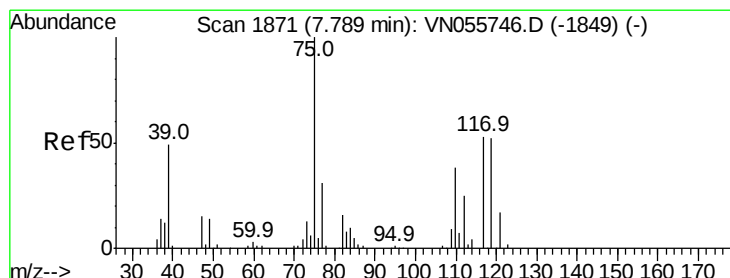
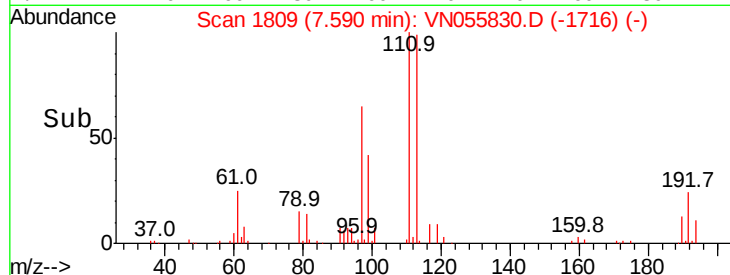
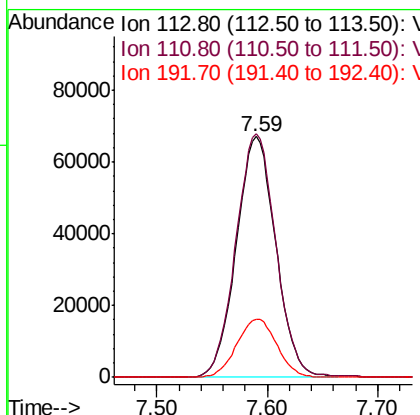
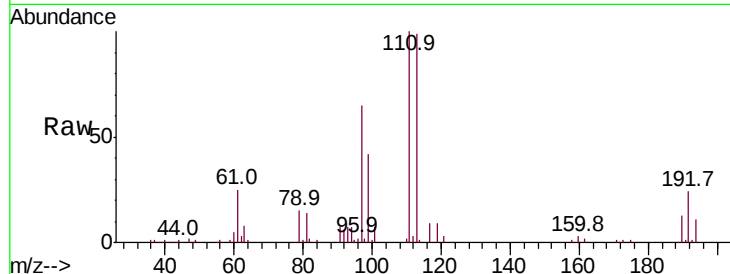
#35
 Dibromofluoromethane
 Concen: 51.641 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166341		
111	102.8	81.9	122.9	
192	24.7	19.5	29.3	

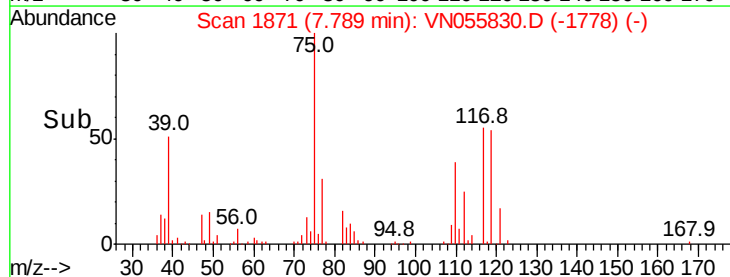
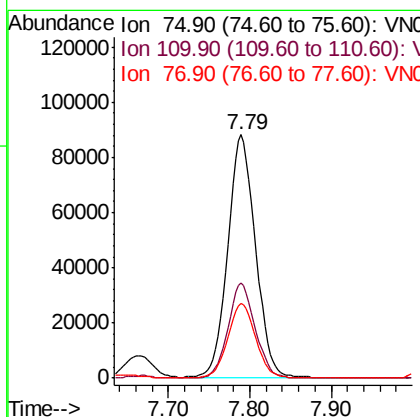
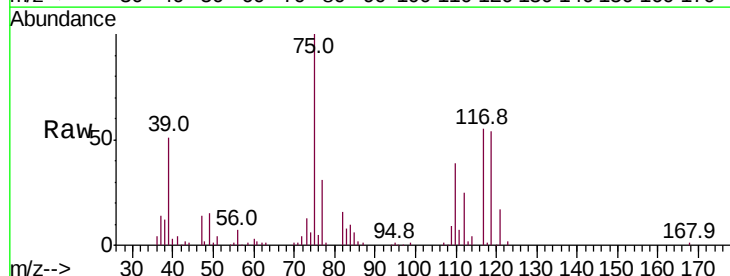
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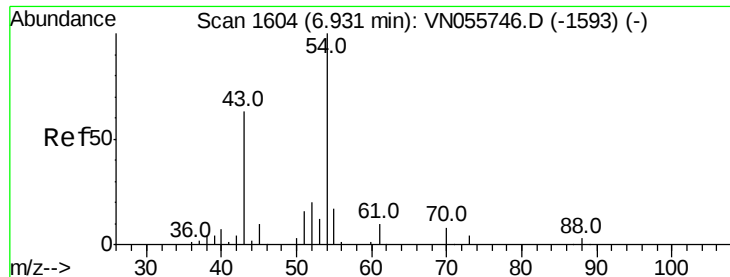
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 5/28/2019 10:36:54 AM



#36
 1,1-Dichloropropene
 Concen: 47.312 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	210058		
110	38.0	19.0	57.0	
77	31.0	25.1	37.7	





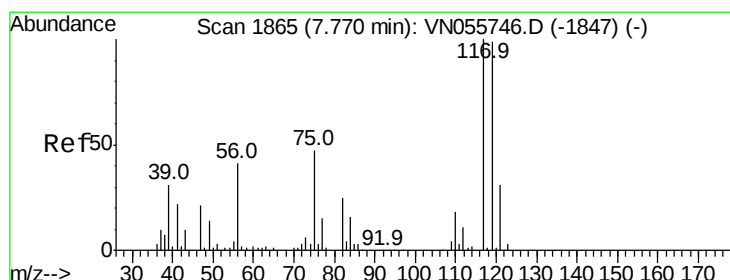
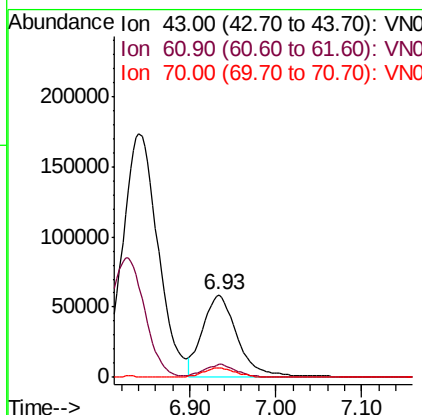
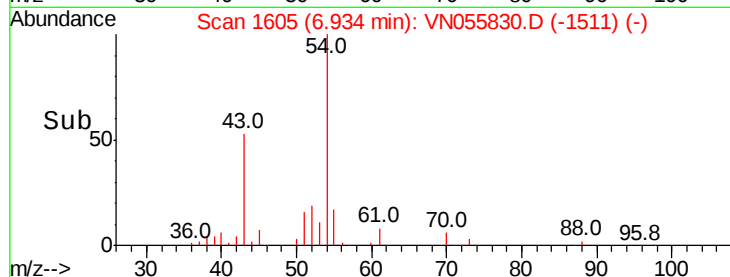
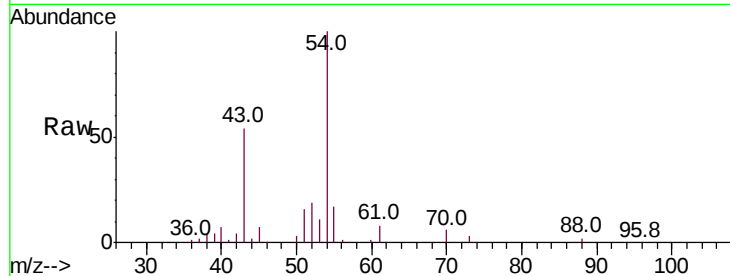
#37
Ethyl Acetate
Concen: 37.856 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.2	18.2
70	11.1	8.9	13.3

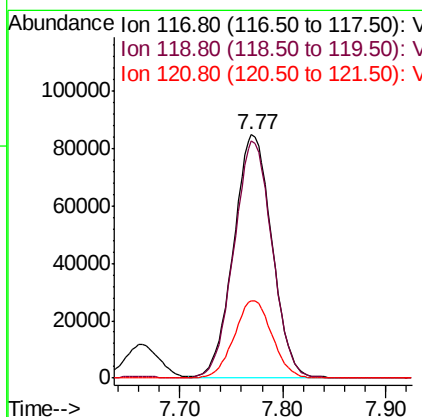
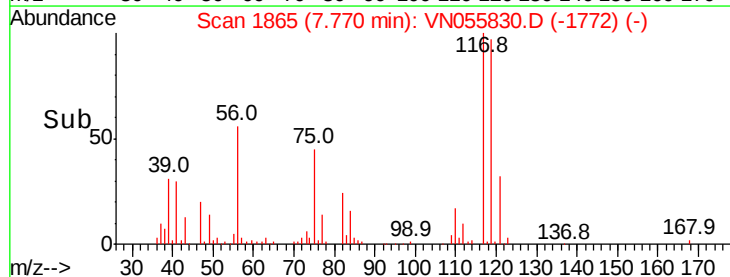
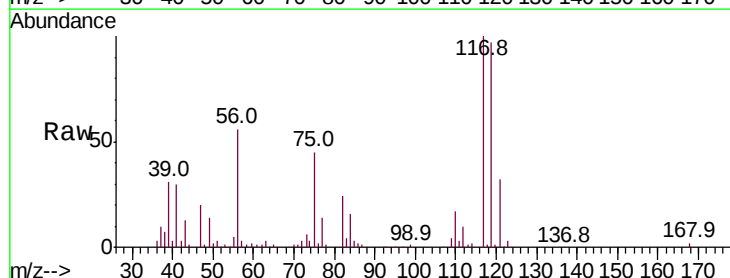
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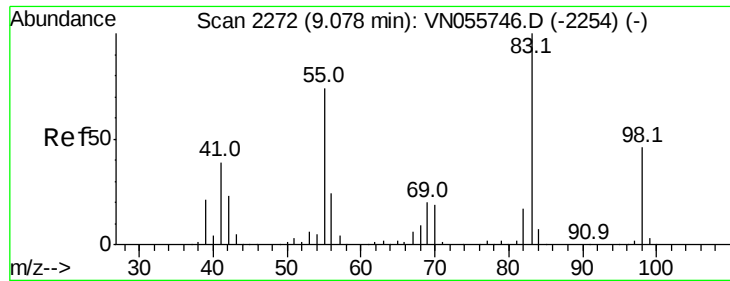
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#38
Carbon Tetrachloride
Concen: 47.316 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	79.0	118.6
121	31.8	24.7	37.1





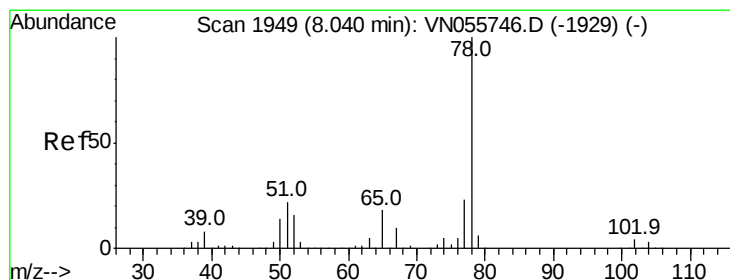
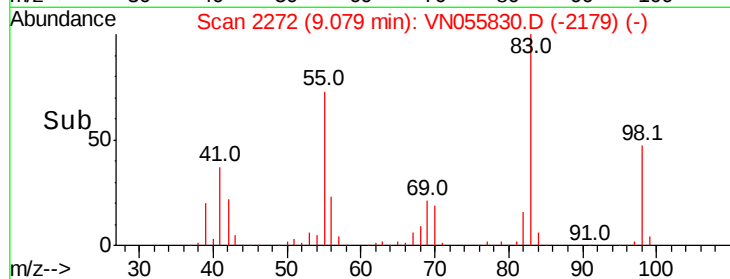
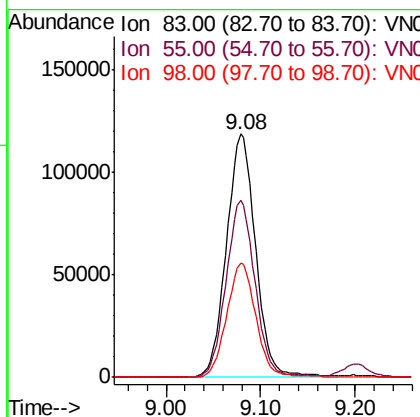
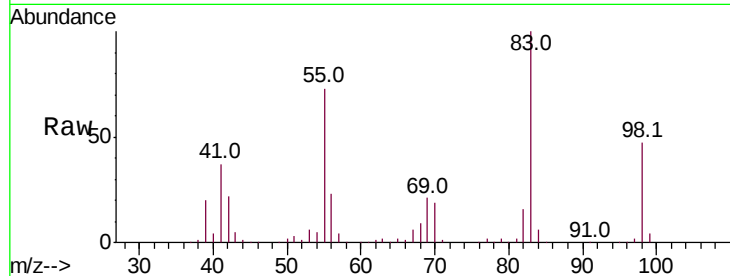
#39
Methvlcvclohexane
Concen: 46.346 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	59.3	88.9
98	46.7	36.6	54.8

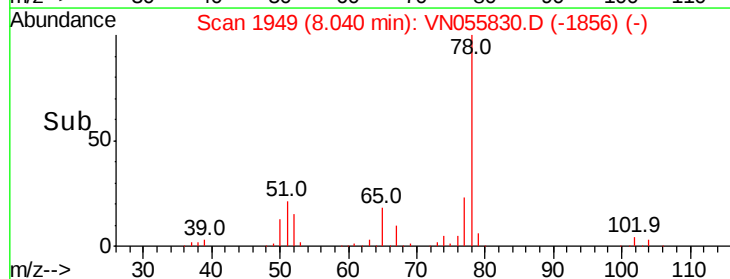
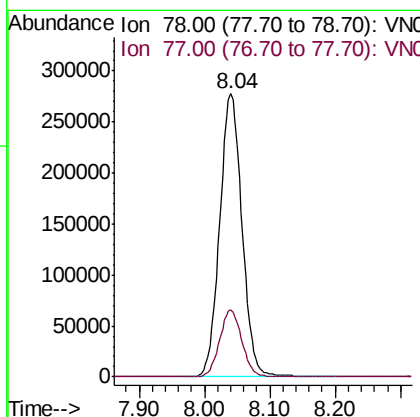
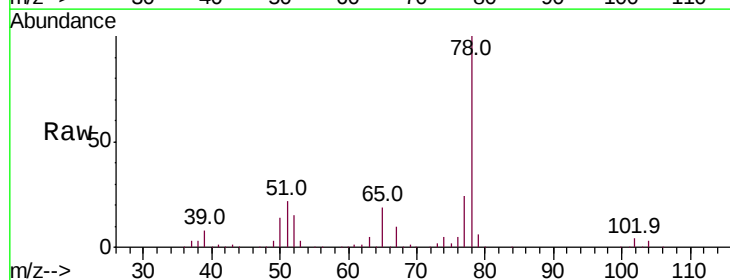
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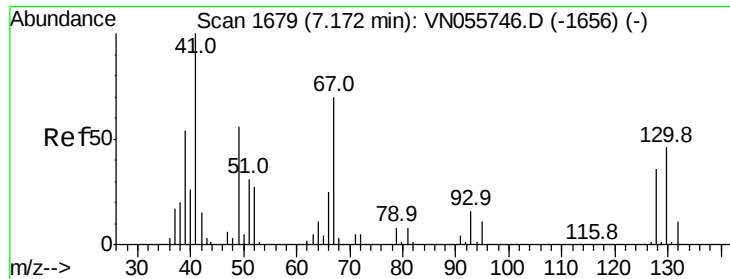
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#40
Benzene
Concen: 49.236 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





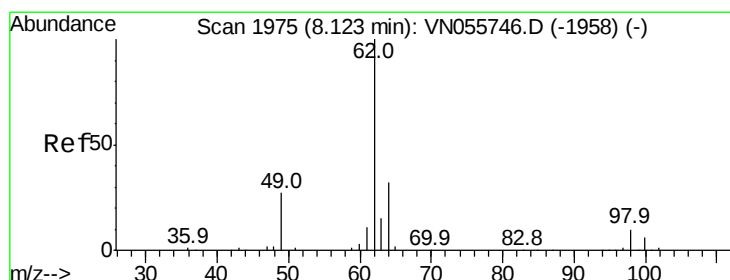
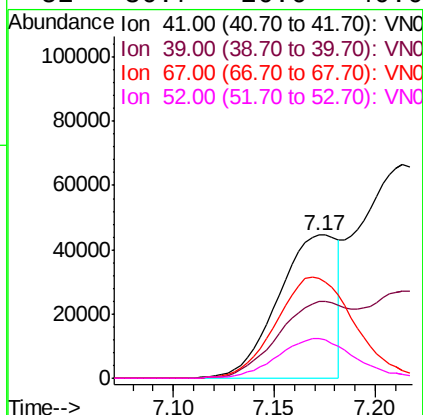
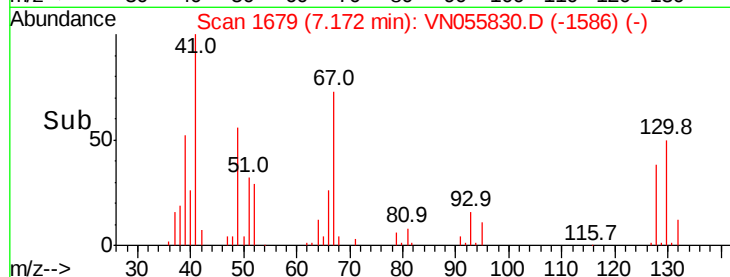
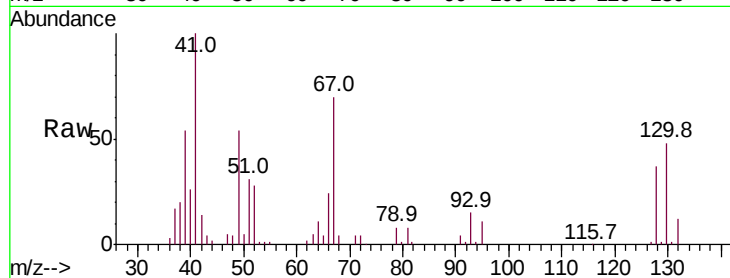
#41
Methacrylonitrile
Concen: 41.921 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.1	45.6	68.4
67	94.5	67.7	101.5
52	36.7	26.6	40.0

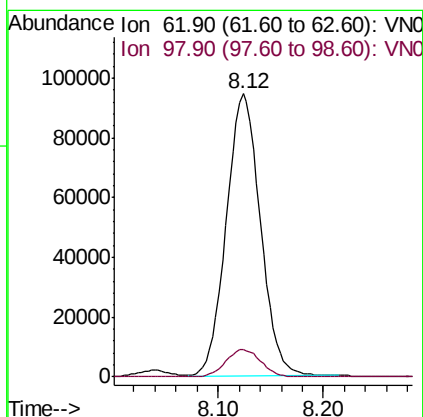
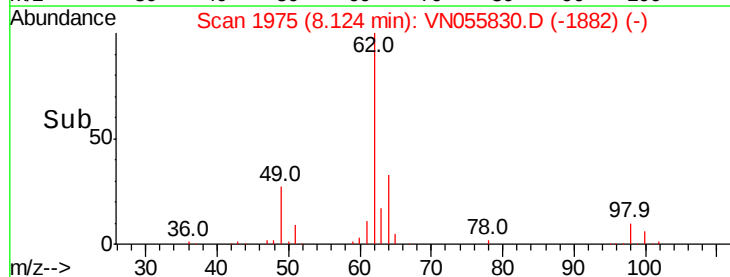
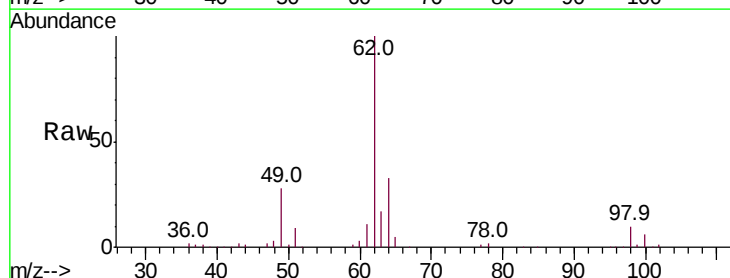
Manual Integrations
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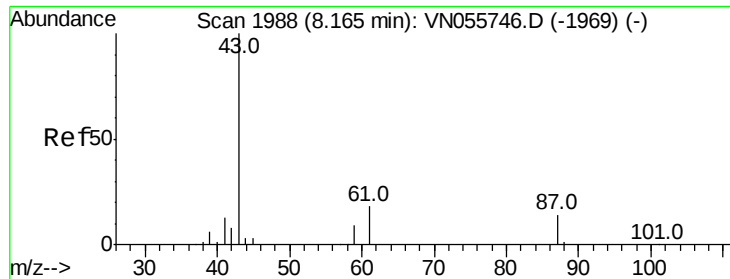
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.515 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 40.761 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

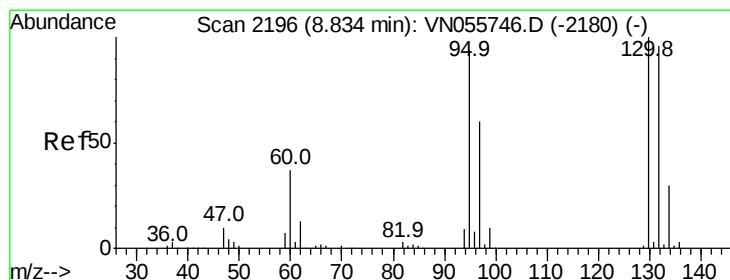
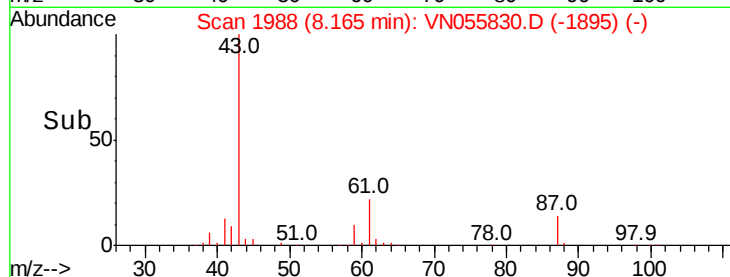
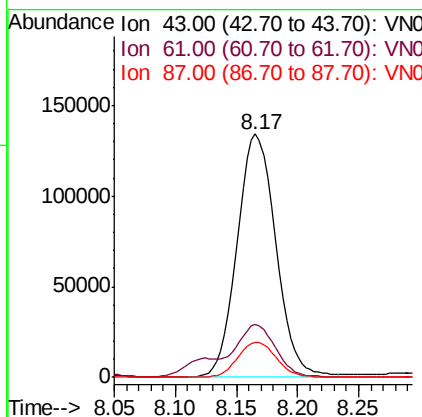
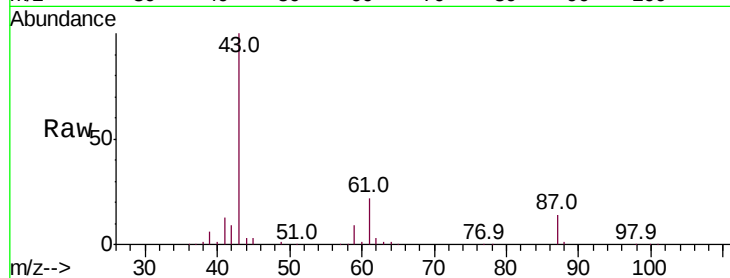
ClientSampleId :

MW2-R1-1MSD

Tot Ion:	43	Resp:	293882
Ion Ratio	Lower	Upper	
43	100		
61	21.2	22.2	33.4#
87	14.6	11.4	17.2

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#44

Trichloroethene

Concen: 50.283 ug/l

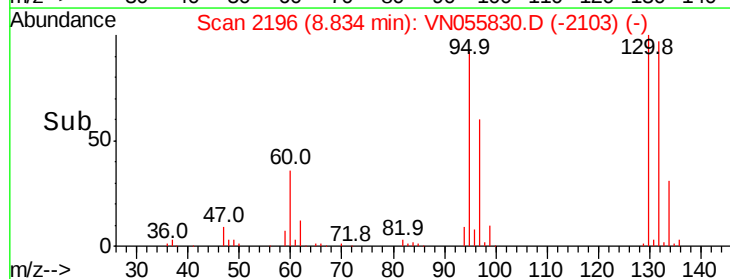
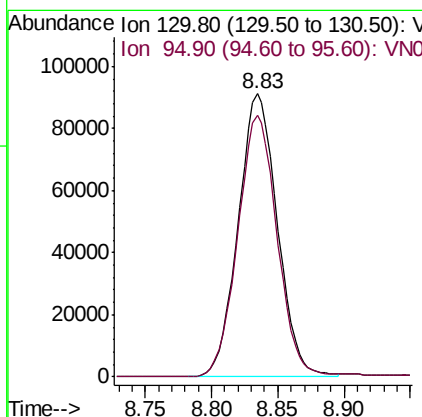
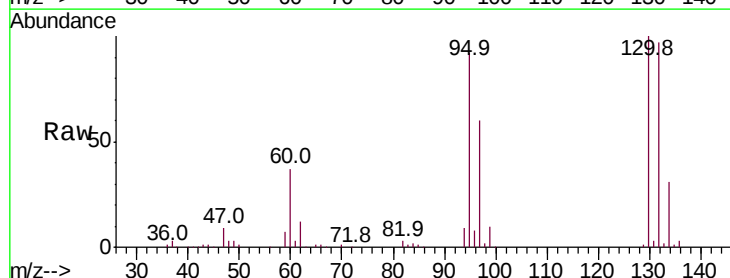
RT: 8.83 min Scan# 2196

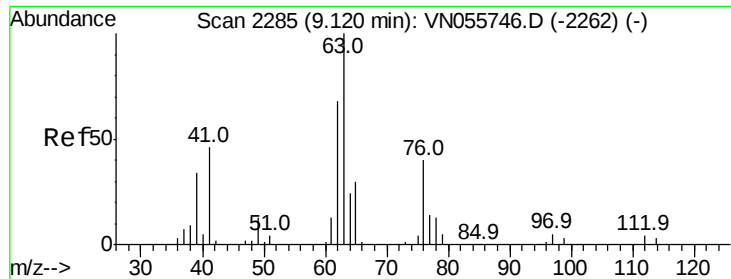
Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tgt Ion:	130	Resp:	187575
Ion Ratio	Lower	Upper	
130	100		
95	92.4	0.0	188.0





#45

1,2-Dichloropropane

Concen: 48.980 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MSD

Tot Ion: 63 Resp: 170760

Ion Ratio Lower Upper

63 100

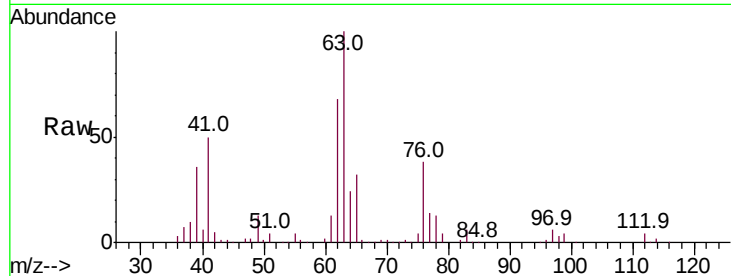
65 32.0 24.6 36.8

Manual Integrations

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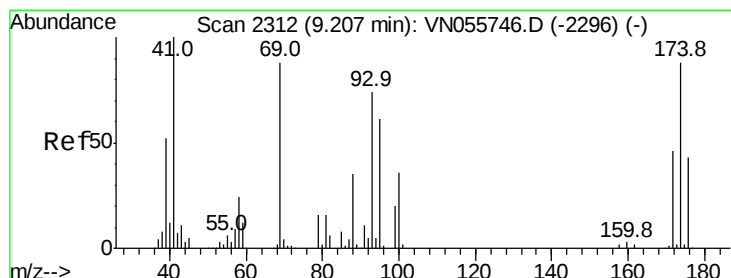
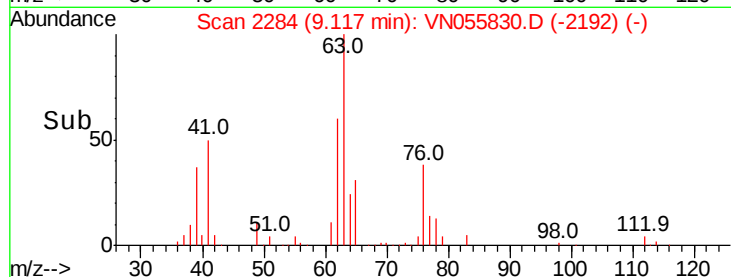
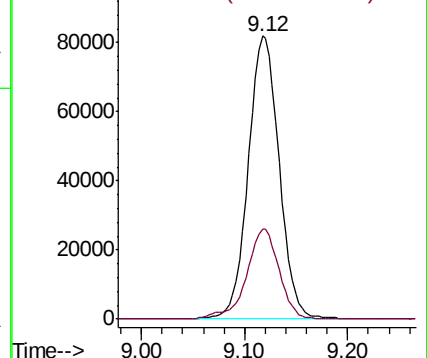
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.396 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

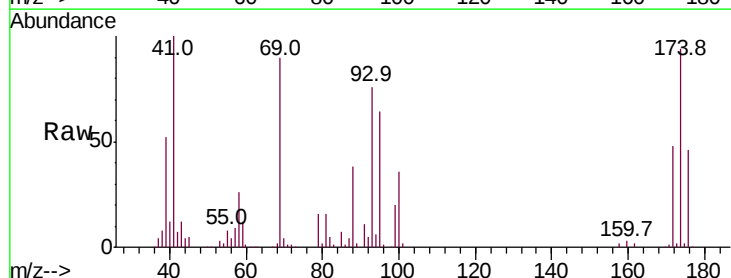
Tgt Ion: 93 Resp: 115225

Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

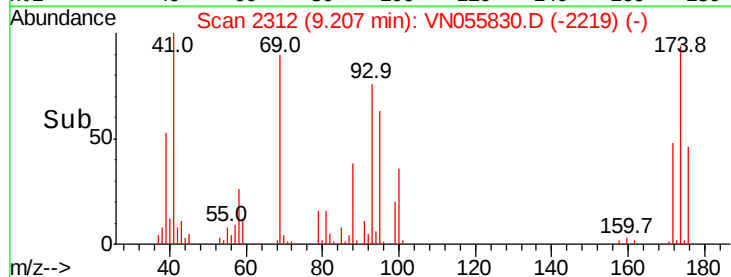
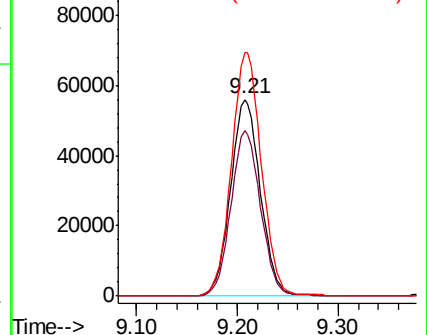
174 125.1 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.139 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

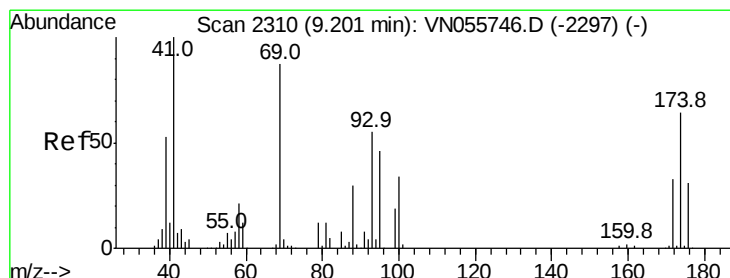
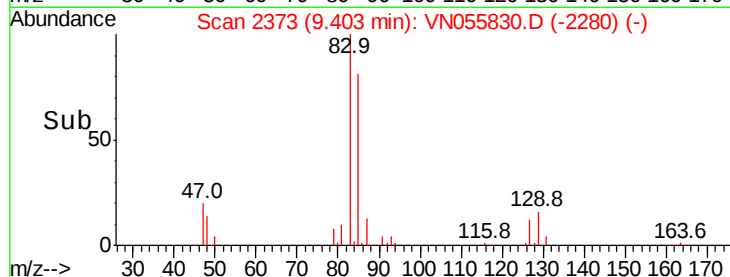
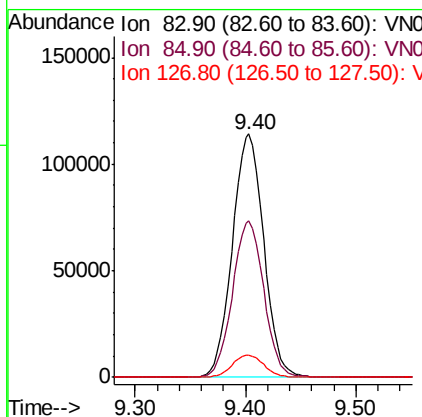
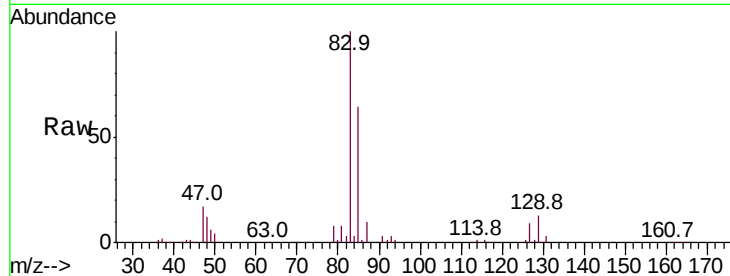
ClientSampleId :

MW2-R1-1MSD

Tot Ion:	83	Resp:	225687
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.2	78.2
127	9.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.313 ug/l

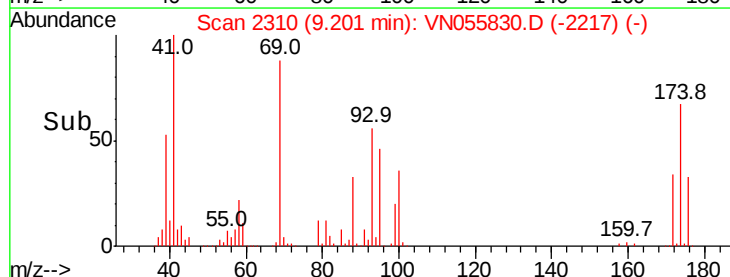
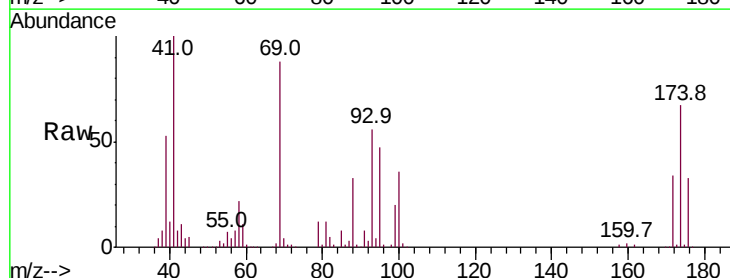
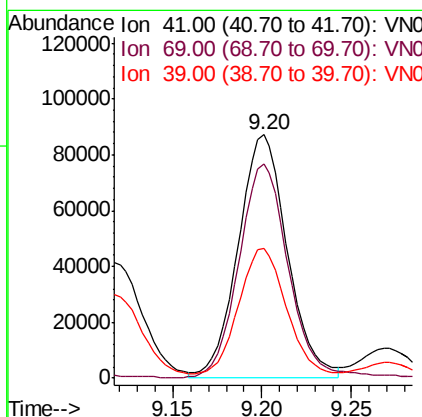
RT: 9.20 min Scan# 2310

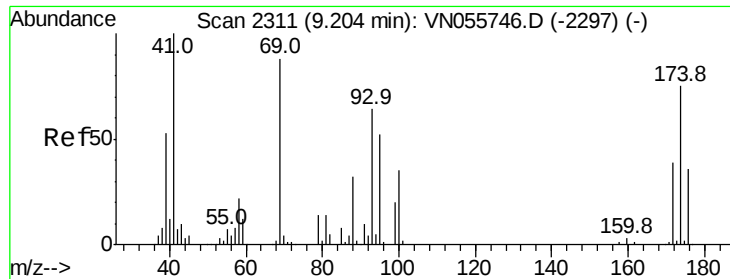
Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tgt Ion:	41	Resp:	167182
Ion Ratio	Lower	Upper	
41	100		
69	88.6	71.0	106.6
39	52.9	44.2	66.2





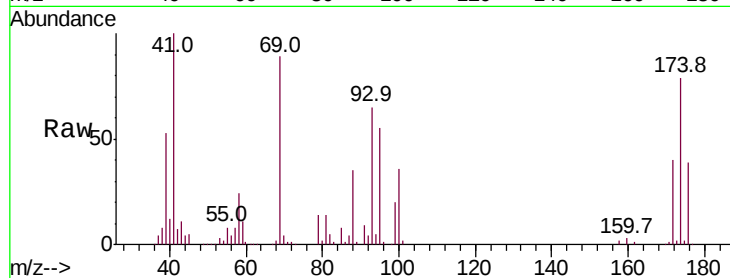
#49
 1,4-Dioxane
 Concen: 942.667 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampled :
 MW2-R1-1MSD

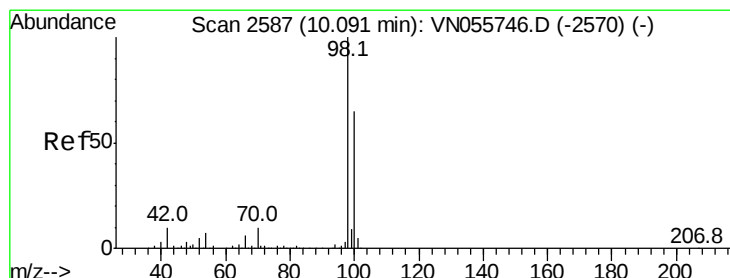
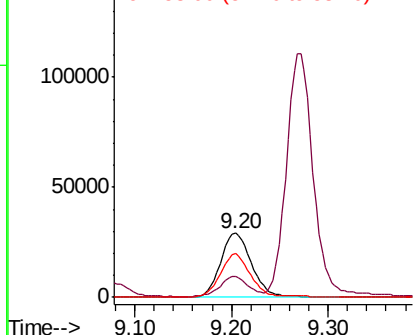
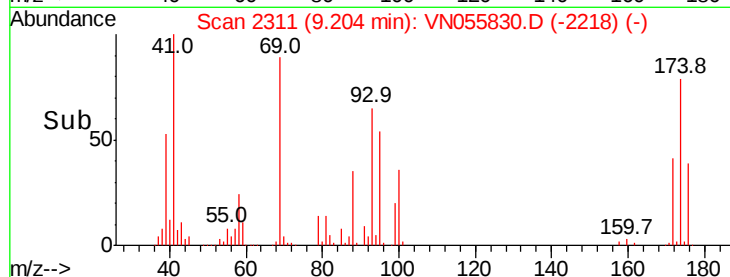
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	20.5	30.7
58	67.7	55.8	83.6

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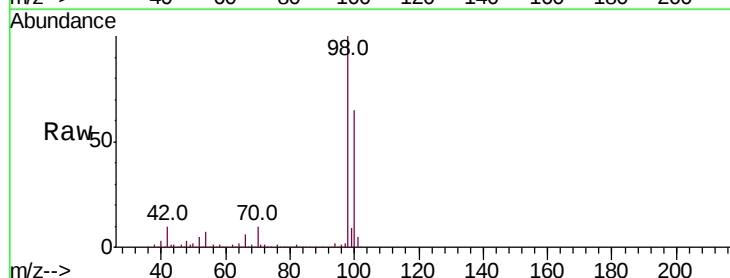


Abundance Ion 88.00 (87.70 to 88.70): VN055830.D (-2218) (-)
 150000
 Ion 43.00 (42.70 to 43.70): VN055830.D (-2218) (-)
 Ion 58.00 (57.70 to 58.70): VN055830.D (-2218) (-)

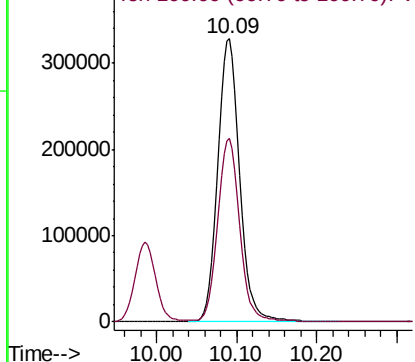
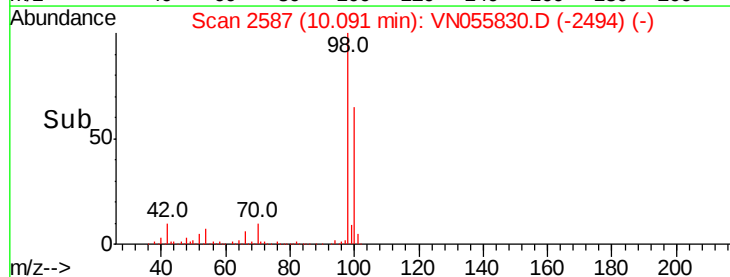


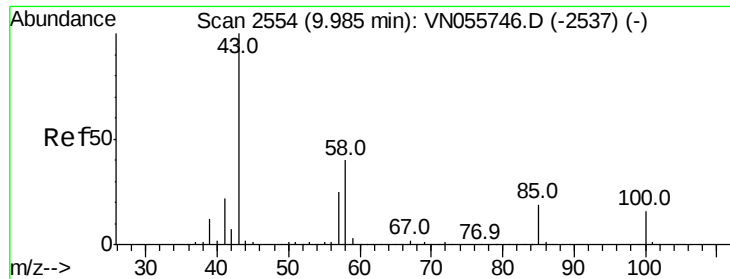
#50
 Toluene-d8
 Concen: 50.682 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055830.D (-2494) (-)
 300000
 Ion 100.00 (99.70 to 100.70): VN055830.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 242.879 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MSD

Tot Ion: 43 Resp: 1034223

Ion Ratio Lower Upper

43 100

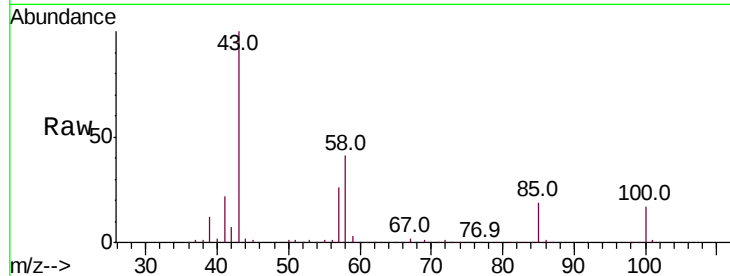
58 40.7 32.1 48.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

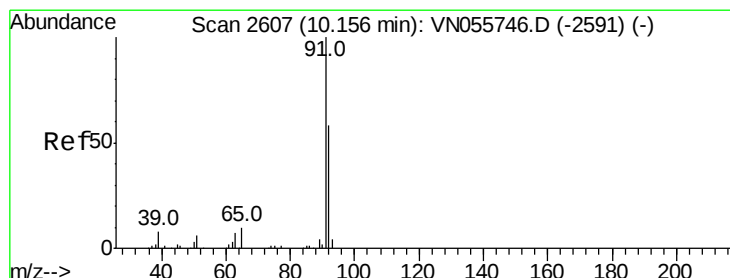
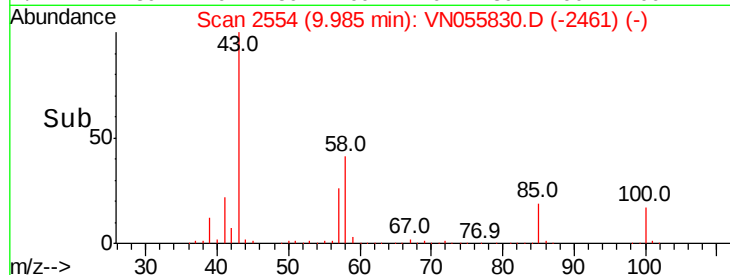
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.414 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055830.D

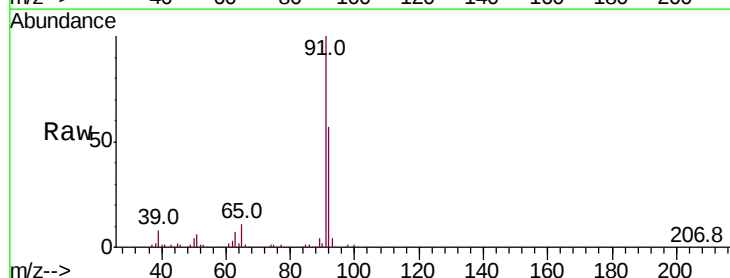
Acq: 25 May 2019 6:19

Tgt Ion: 92 Resp: 424266

Ion Ratio Lower Upper

92 100

91 173.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

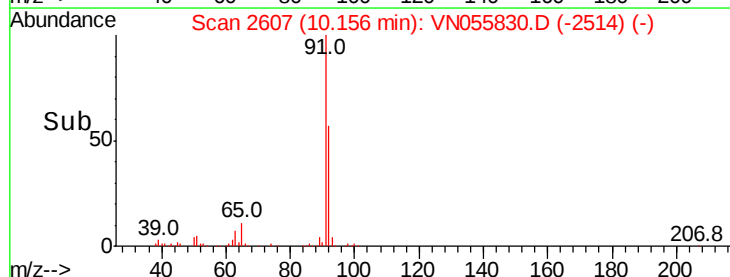
300000

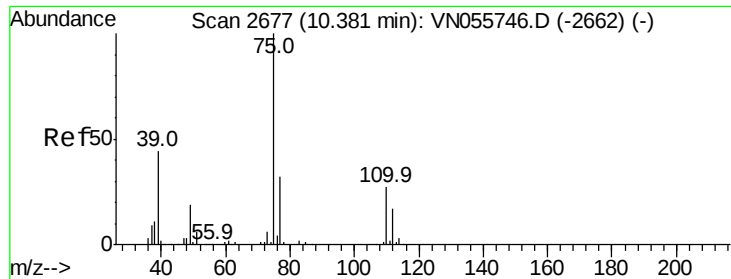
200000

100000

0

Time-->





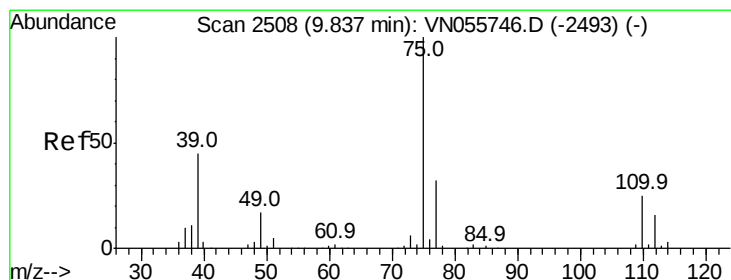
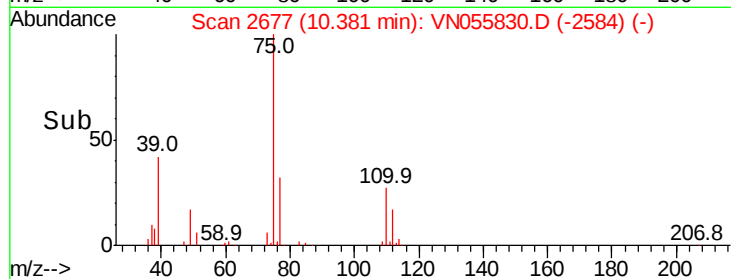
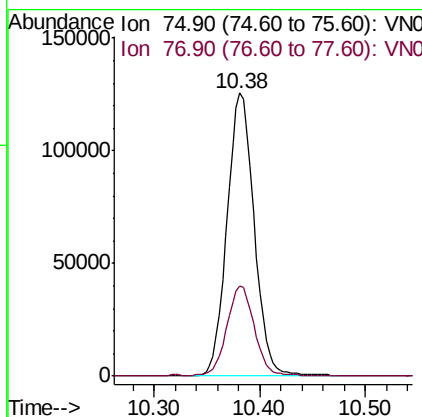
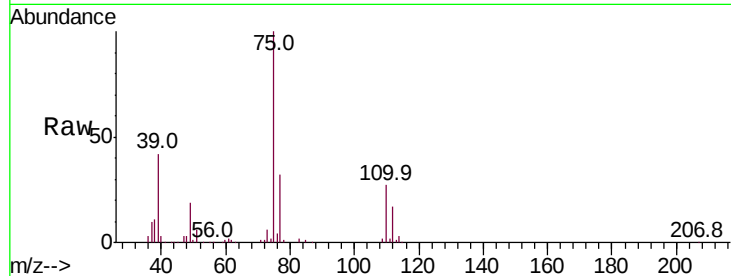
#53
 t-1,3-Dichloropropene
 Concen: 44.826 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampled :
 MW2-R1-1MSD

Tot Ion: 75 Resp: 224324
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6

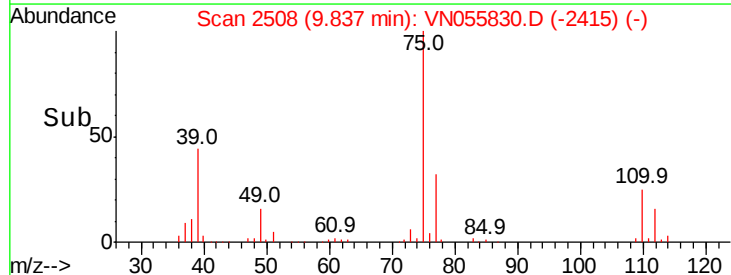
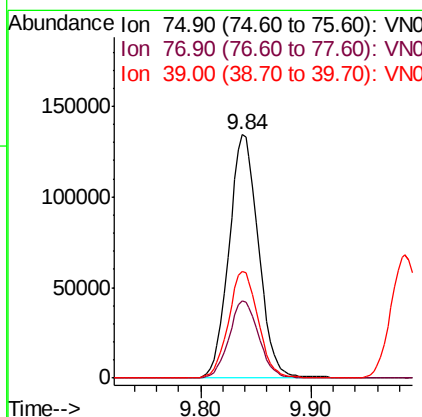
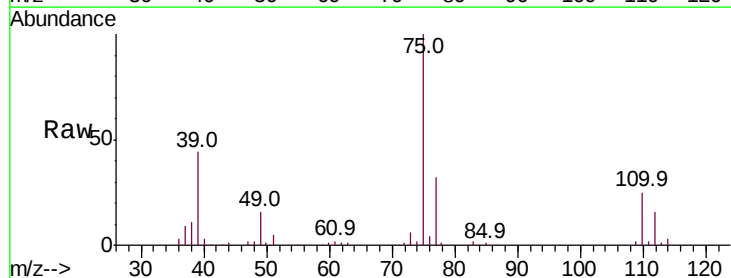
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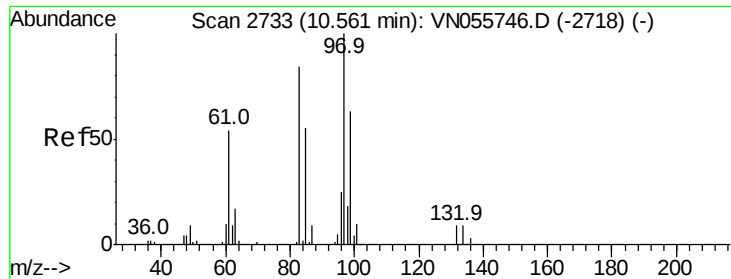
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#54
 cis-1,3-Dichloropropene
 Concen: 45.031 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Tgt Ion: 75 Resp: 249646
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.0
 39 44.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 50.707 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

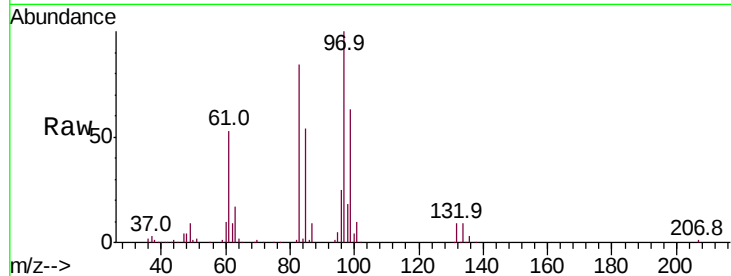
ClientSampleId :

MW2-R1-1MSD

Tot Ion	97	Resp	170954
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.0	100.6
85	54.2	44.0	66.0
99	62.4	50.6	75.8

Manual Integrations
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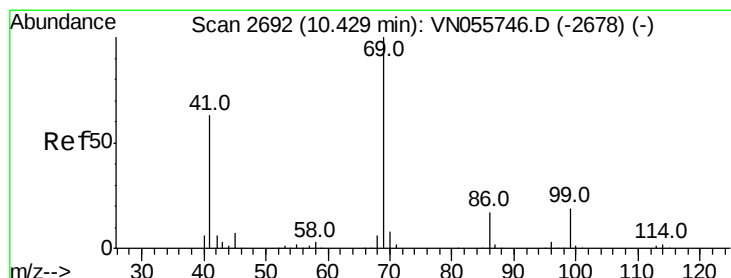
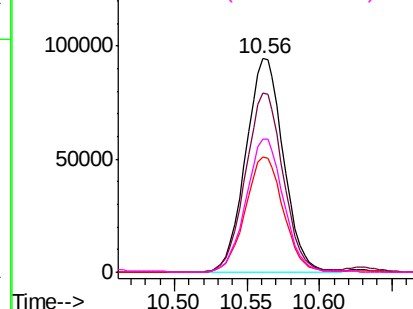
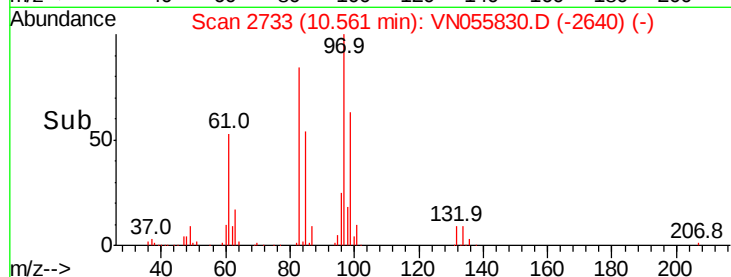
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.009 ug/l

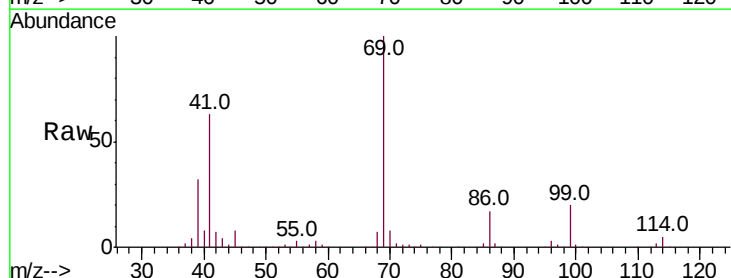
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tgt Ion	69	Resp	260572
Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.7	74.5
39	31.8	24.7	37.1

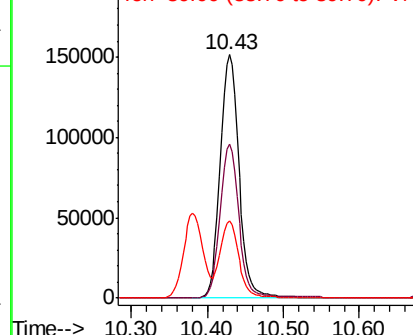
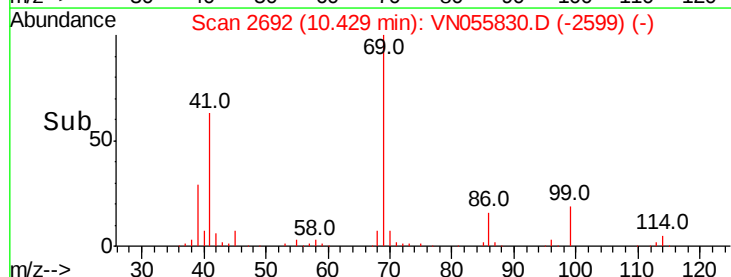


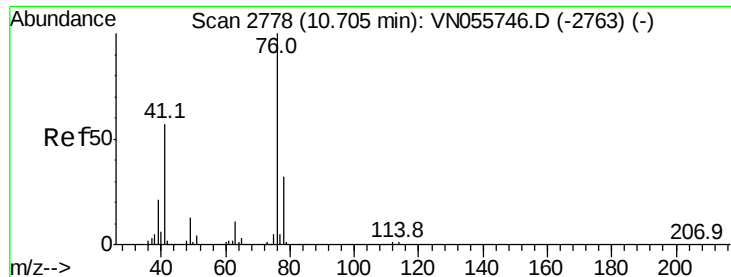
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.050 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MSD

Tot Ion: 76 Resp: 274283

Ion Ratio Lower Upper

76 100

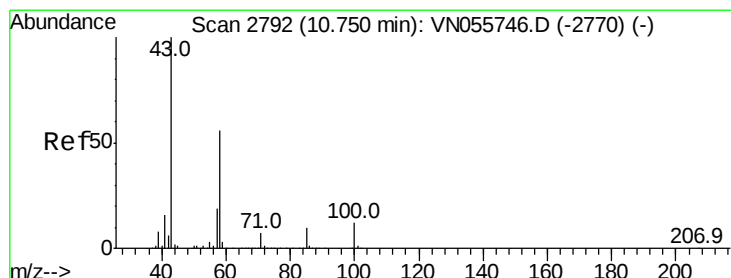
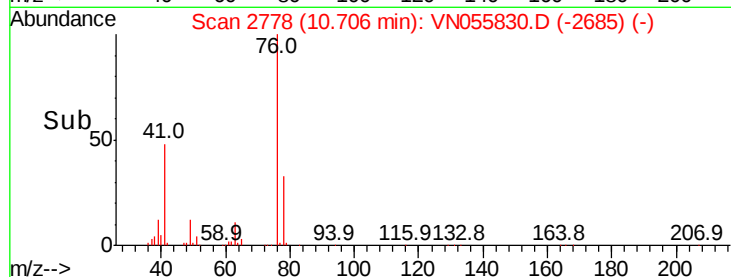
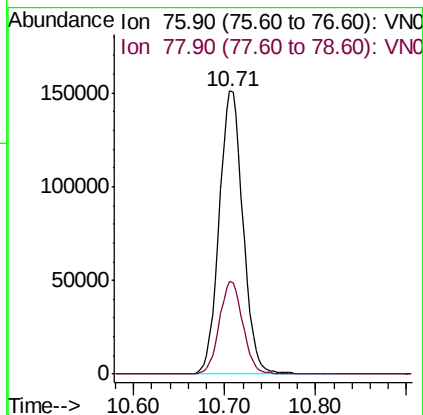
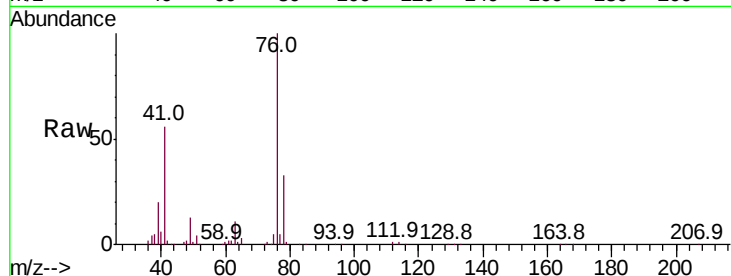
78 32.4 25.8 38.6

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#59

2-Hexanone

Concen: 239.258 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055830.D

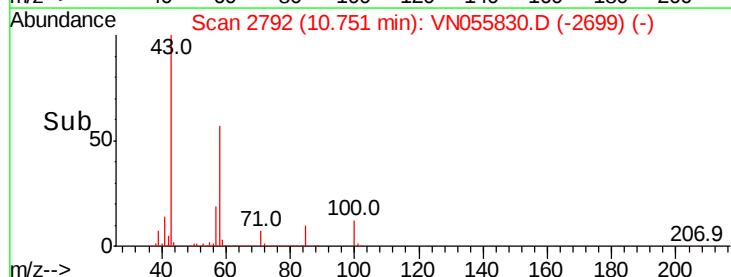
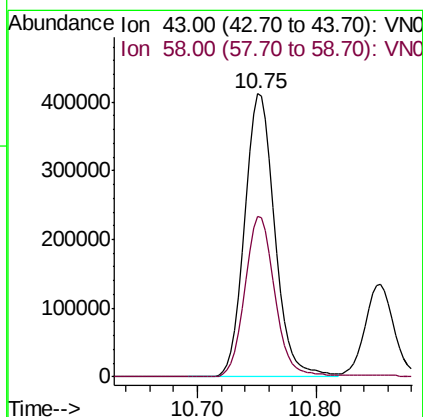
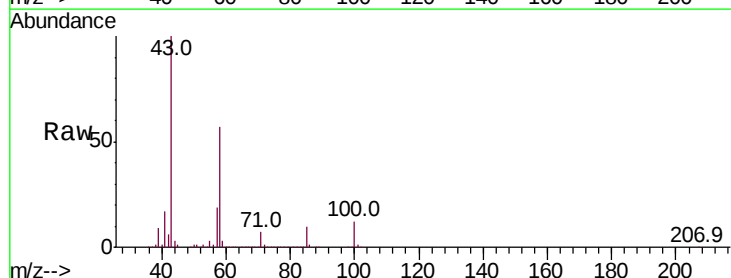
Acq: 25 May 2019 6:19

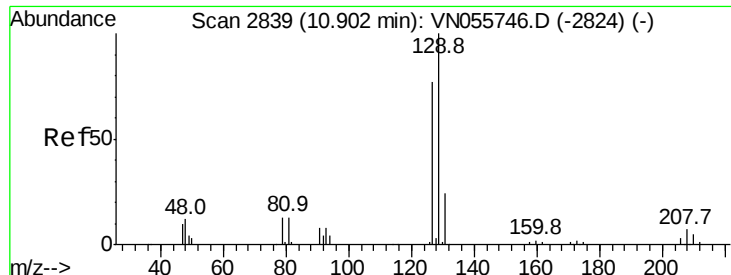
Tgt Ion: 43 Resp: 722748

Ion Ratio Lower Upper

43 100

58 56.6 28.2 84.7





#60

Dibromochloromethane

Concen: 49.636 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MSD

Tot Ion:129 Resp: 194947

Ion Ratio Lower Upper

129 100

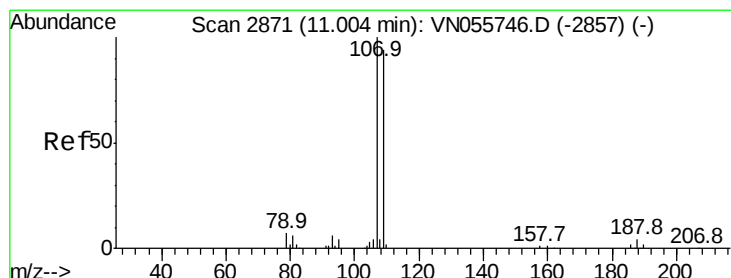
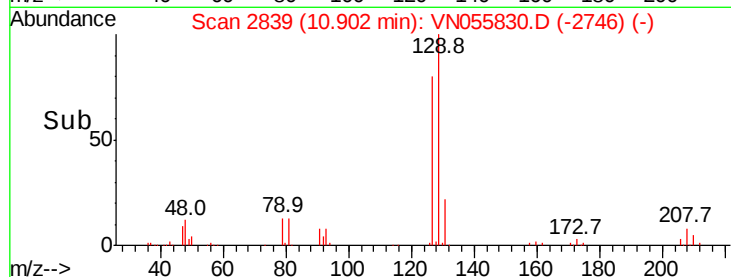
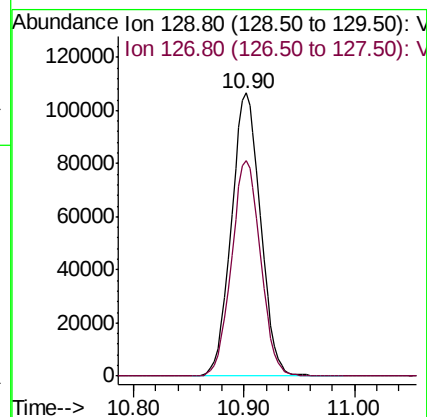
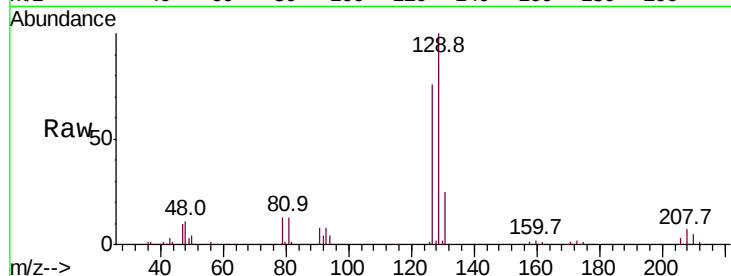
127 76.1 38.1 114.3

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 50.081 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055830.D

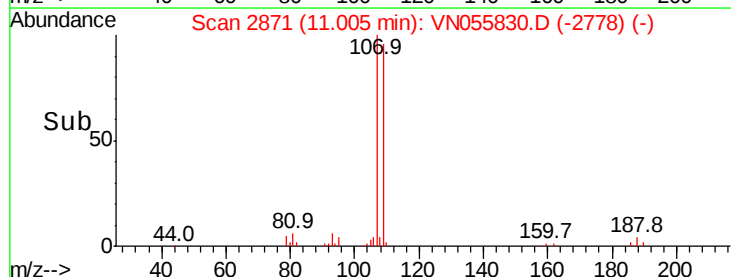
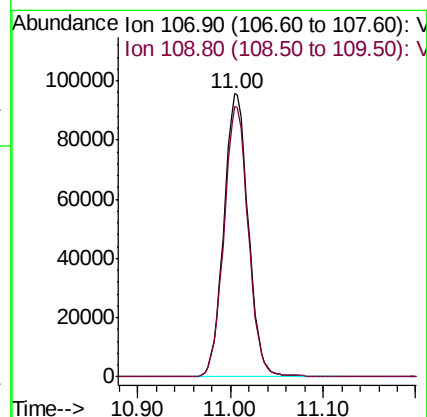
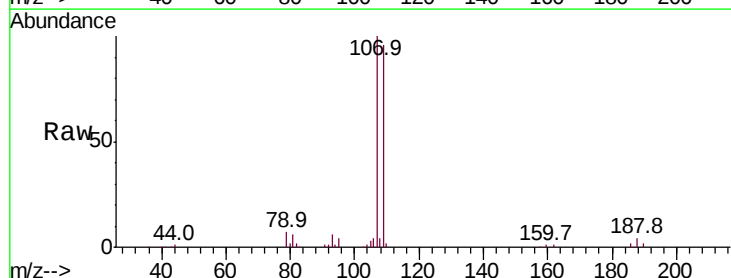
Acq: 25 May 2019 6:19

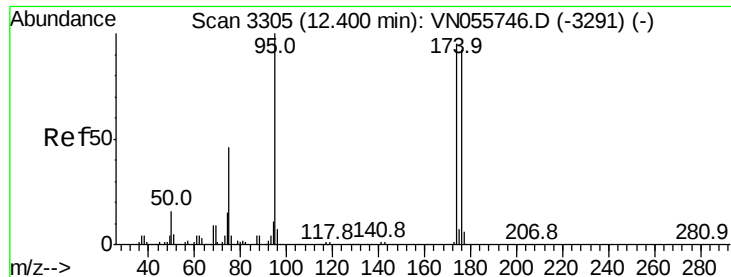
Tgt Ion:107 Resp: 175132

Ion Ratio Lower Upper

107 100

109 94.9 74.8 112.2





#62

4-Bromofluorobenzene

Concen: 51.412 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

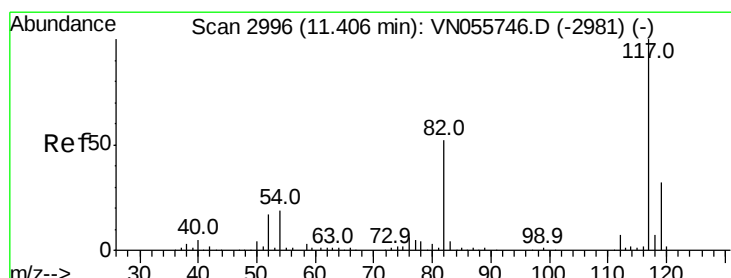
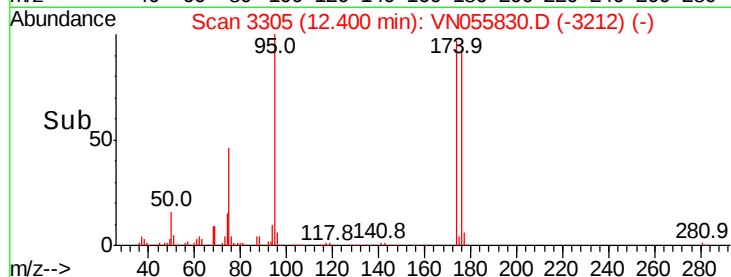
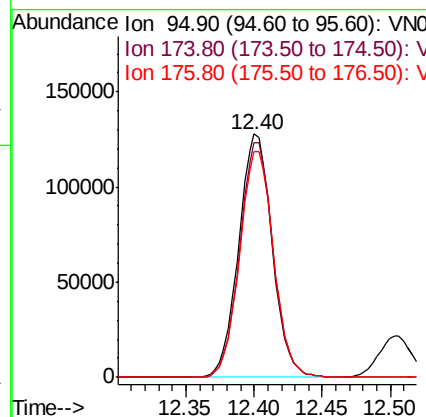
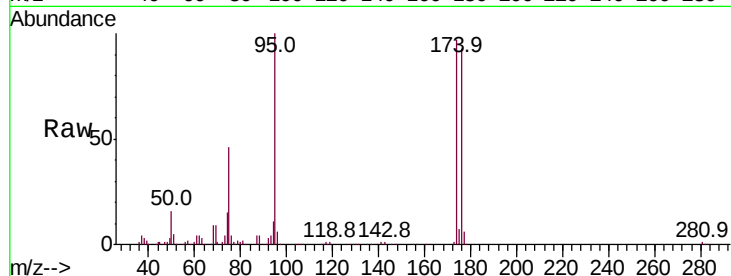
ClientSampleId :

MW2-R1-1MSD

Tot Ion:	95	Resp:	217816
Ion Ratio	Lower	Upper	
95	100		
174	96.4	0.0	191.0
176	93.9	0.0	185.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

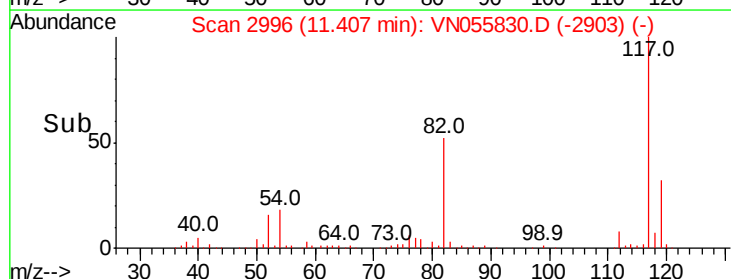
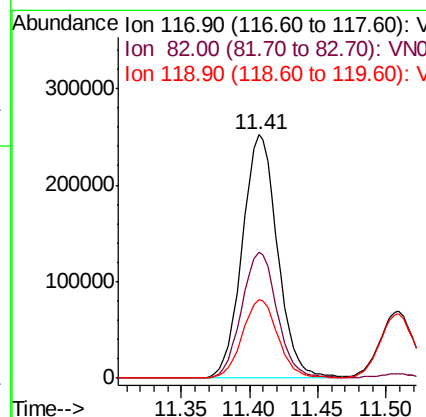
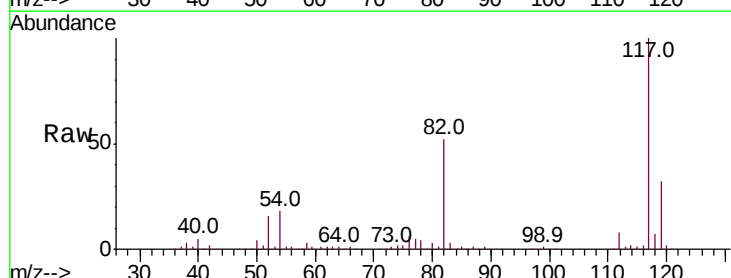
RT: 11.41 min Scan# 2996

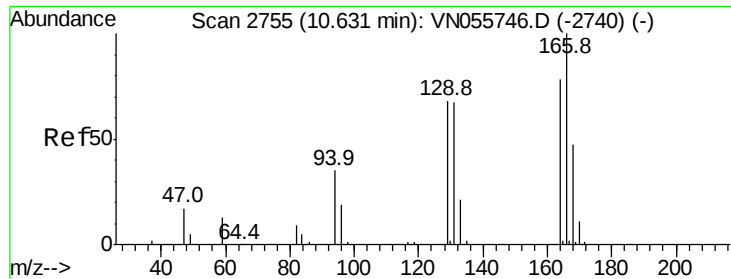
Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tgt Ion:	117	Resp:	452508
Ion Ratio	Lower	Upper	
117	100		
82	51.8	41.8	62.8
119	32.1	25.4	38.0





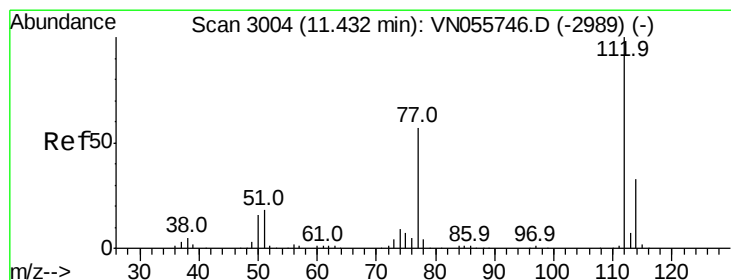
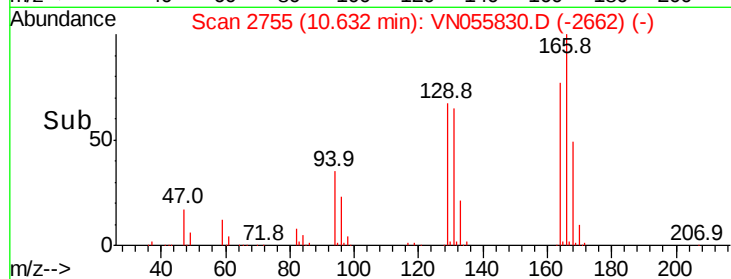
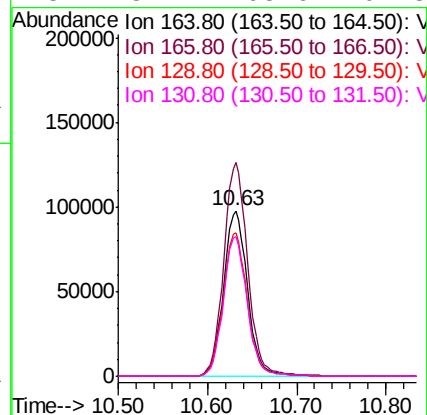
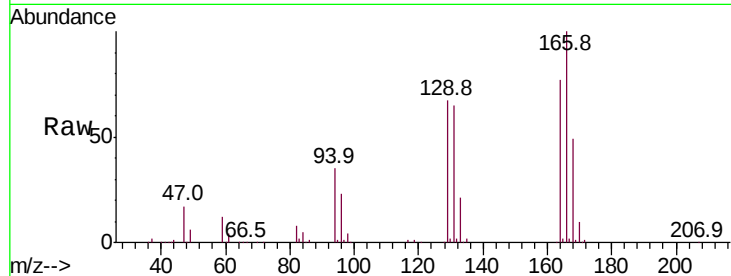
#64
Tetrachloroethene
Concen: 47.663 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.3	103.0	154.6	
129	87.0	70.6	105.8	
131	84.2	68.6	102.8	

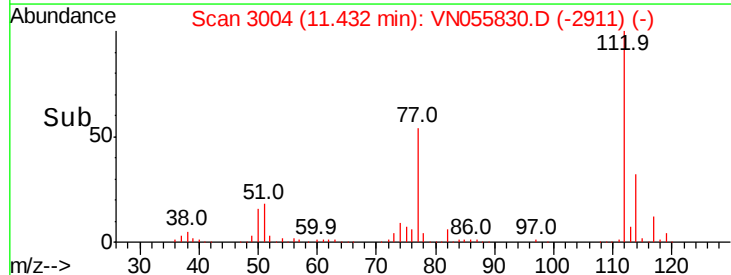
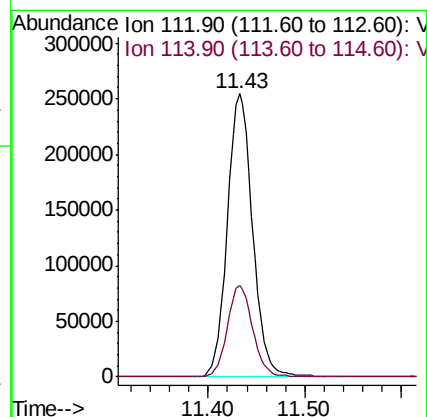
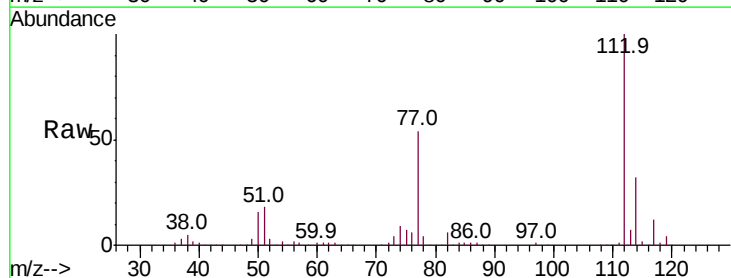
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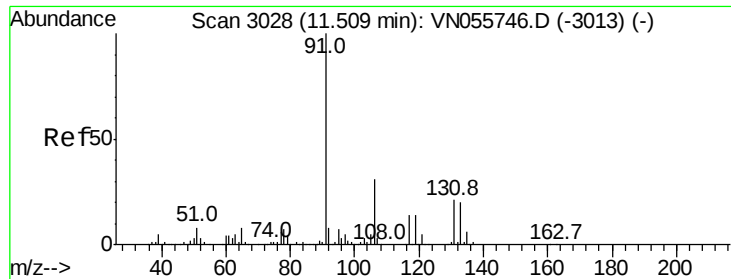
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#65
Chlorobenzene
Concen: 50.815 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.3	26.2	39.4	





#66

1,1,1,2-Tetrachloroethane

Concen: 48.986 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

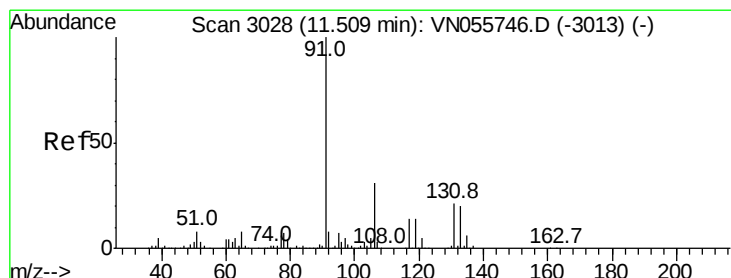
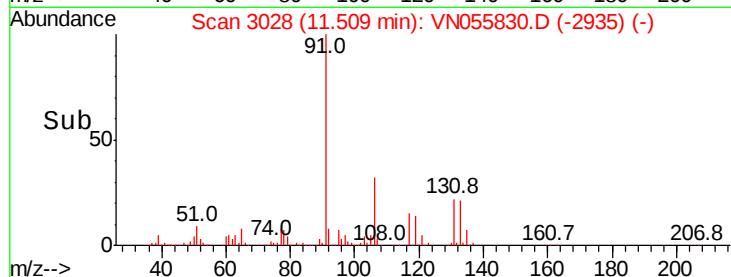
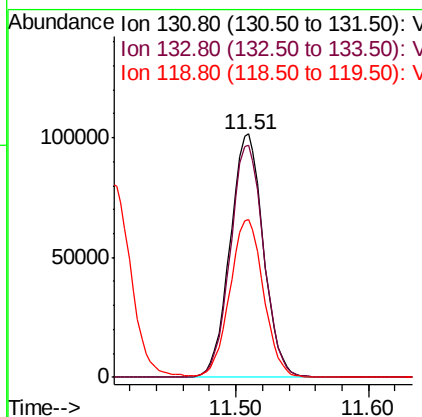
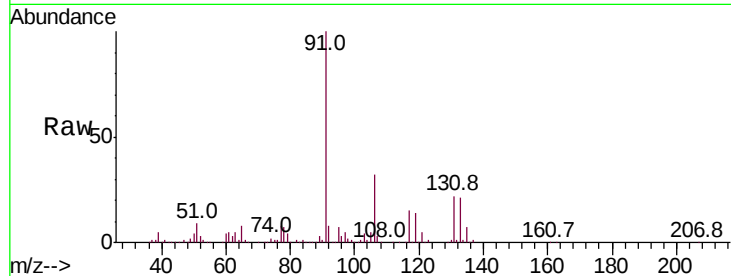
ClientSampled :

MW2-R1-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	176984		
133	96.0	48.0	144.0	
119	65.8	33.1	99.5	

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#67

Ethyl Benzene

Concen: 49.055 ug/l

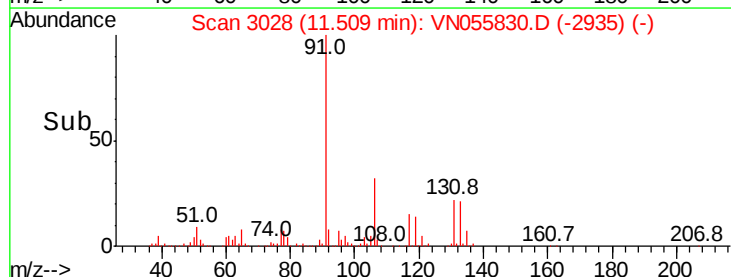
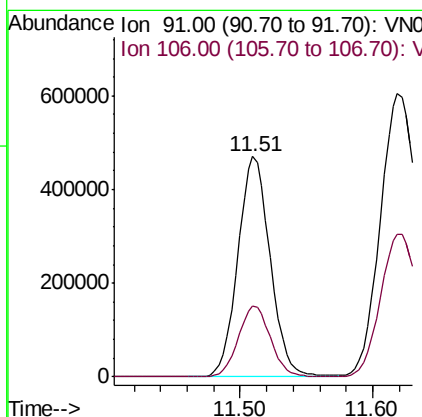
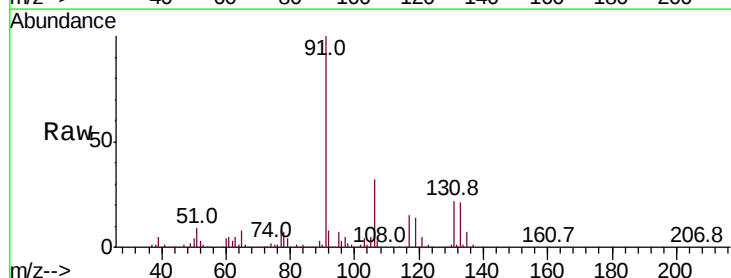
RT: 11.51 min Scan# 3028

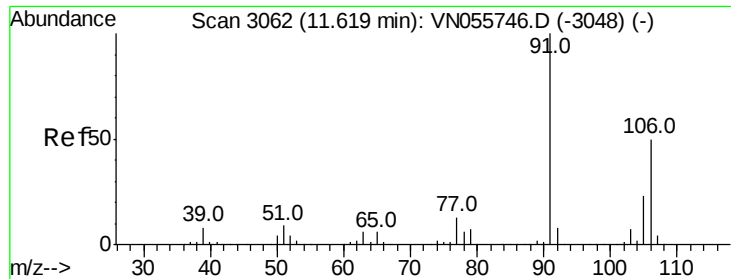
Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	796888		
106	32.2	25.1	37.7	





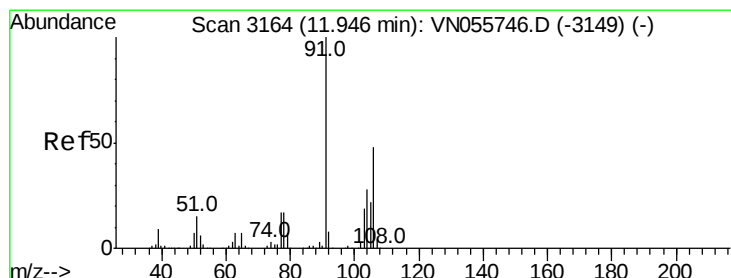
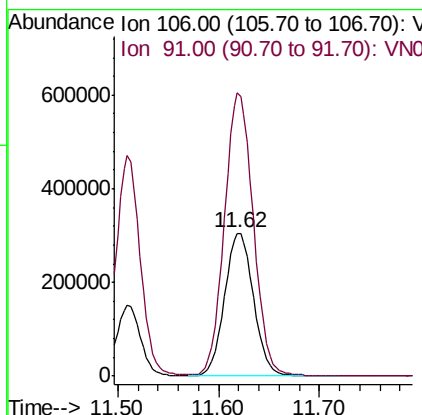
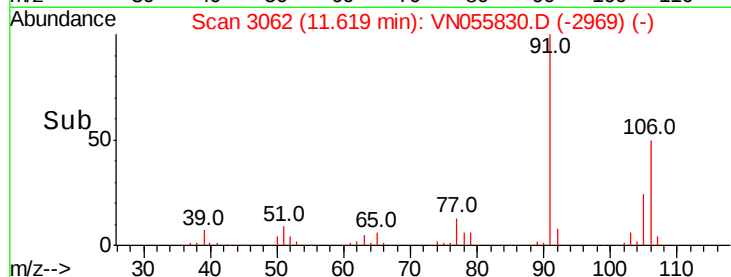
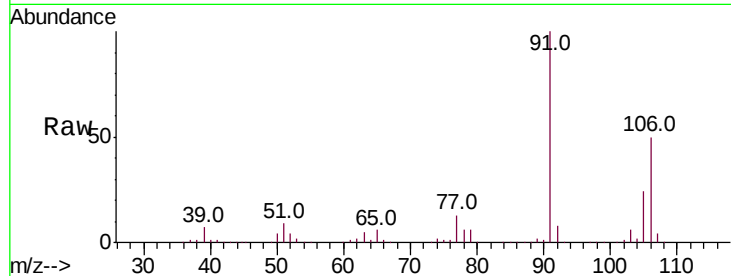
#68
m/p-Xylenes
Concen: 99.655 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion:106 Resp: 612015
Ion Ratio Lower Upper
106 100
91 197.2 159.3 238.9

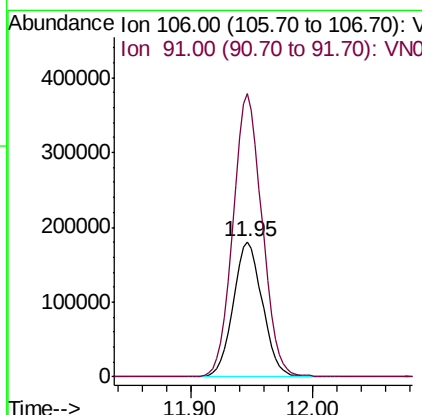
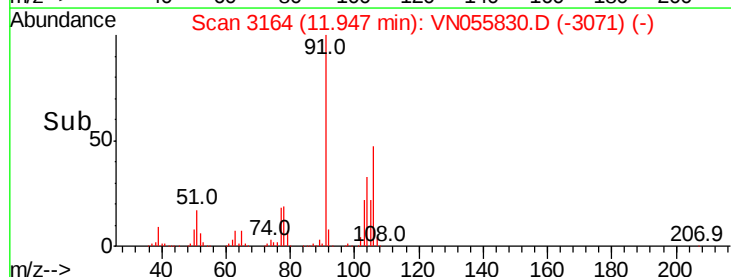
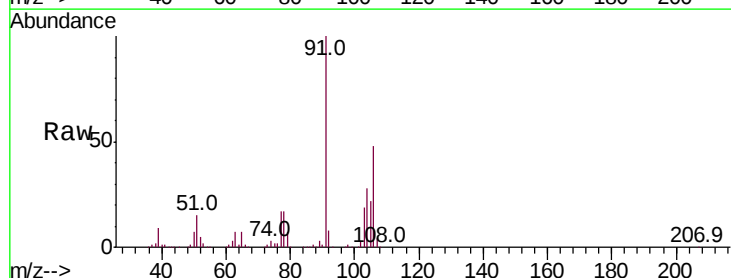
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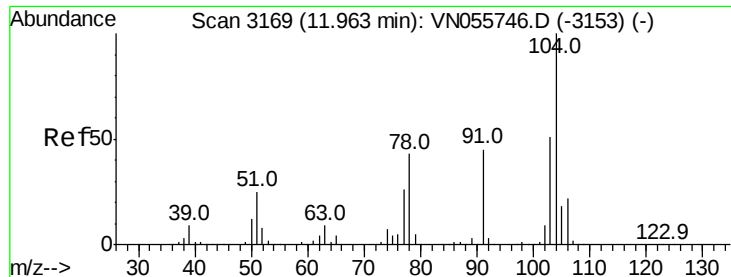
MMDadoda
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#69
o-Xylene
Concen: 49.188 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion:106 Resp: 299705
Ion Ratio Lower Upper
106 100
91 209.4 104.7 314.1





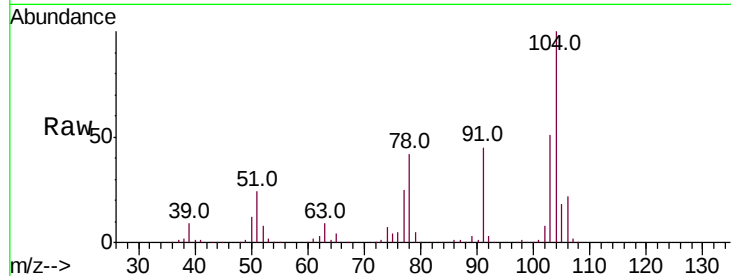
#70
Stvrene
Concen: 50.056 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

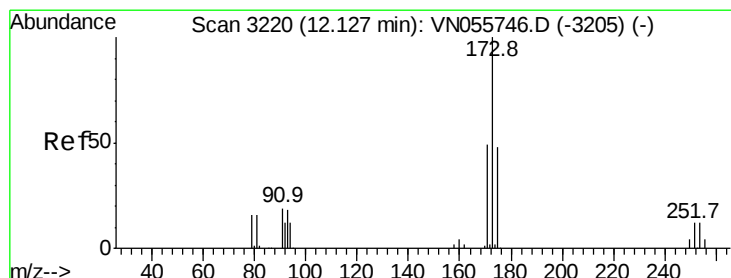
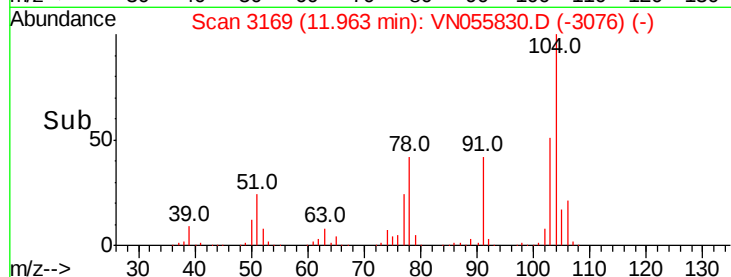
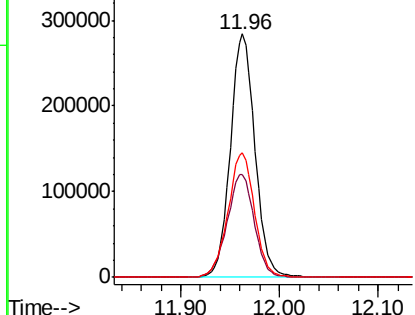
Tot Ion	Ratio	Lower	Upper
104	100		
78	46.9	37.8	56.6
103	55.3	44.2	66.2

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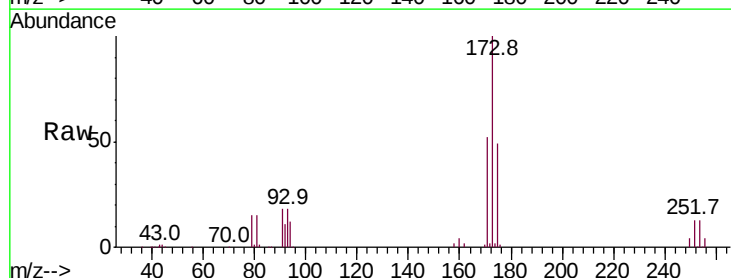


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

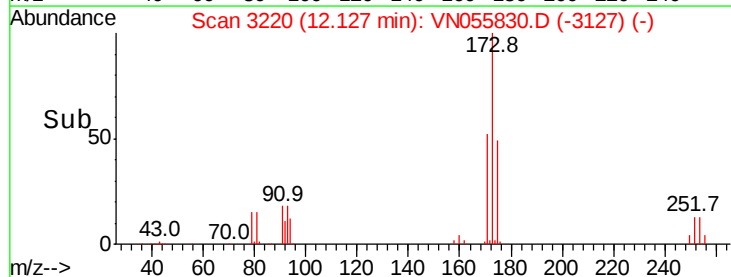
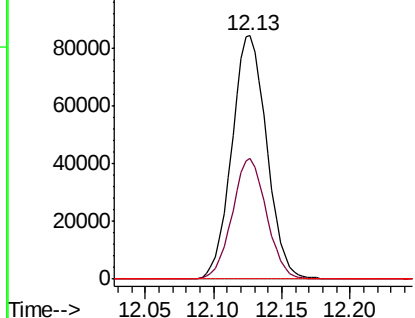


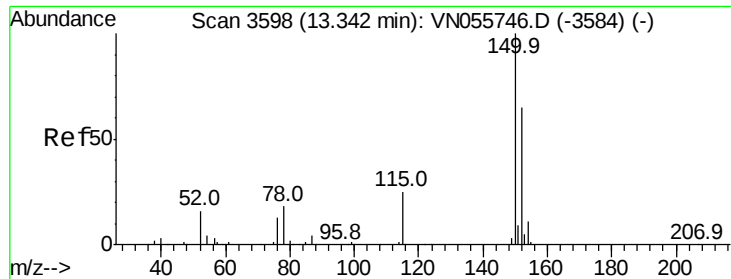
#71
Bromoform
Concen: 48.543 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.1	0.0	0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MSD

Tot Ion:152 Resp: 207853

Ion Ratio Lower Upper

152 100

115 52.9 27.0 81.0

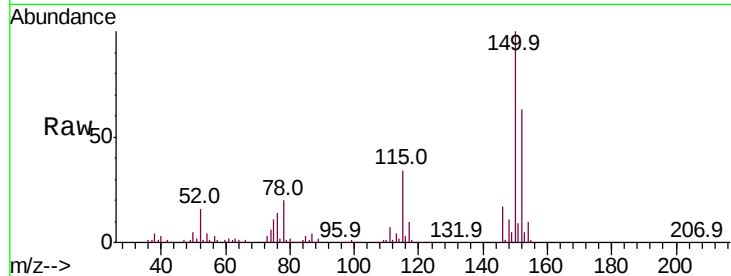
150 172.8 0.0 343.2

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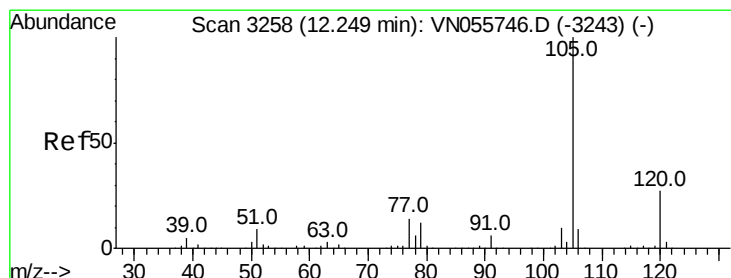
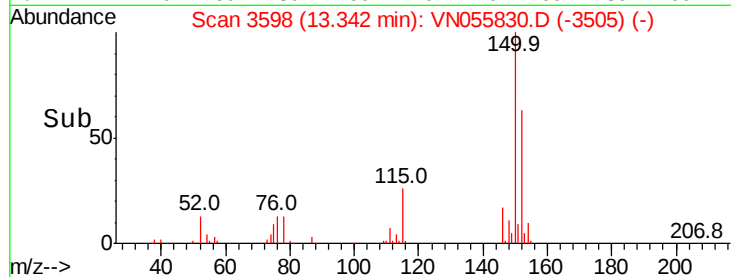
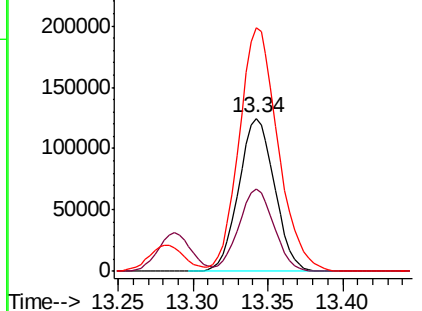
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 53.675 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055830.D

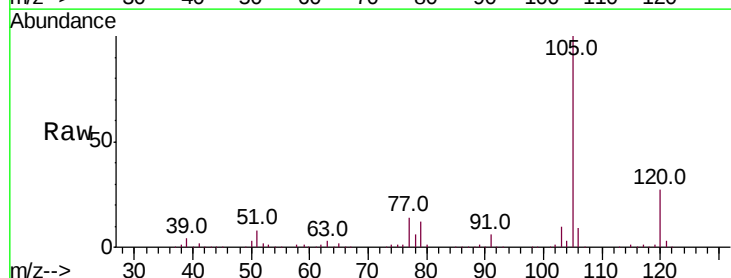
Acq: 25 May 2019 6:19

Tgt Ion:105 Resp: 790707

Ion Ratio Lower Upper

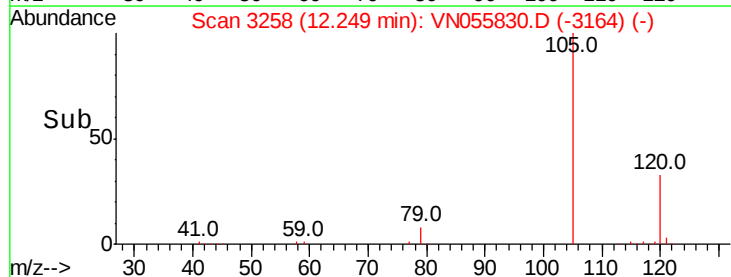
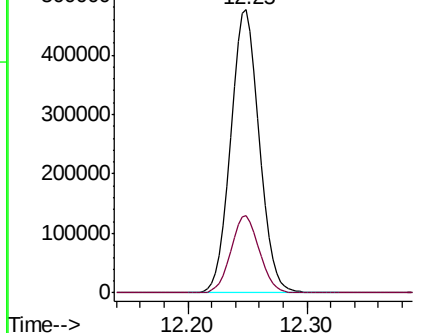
105 100

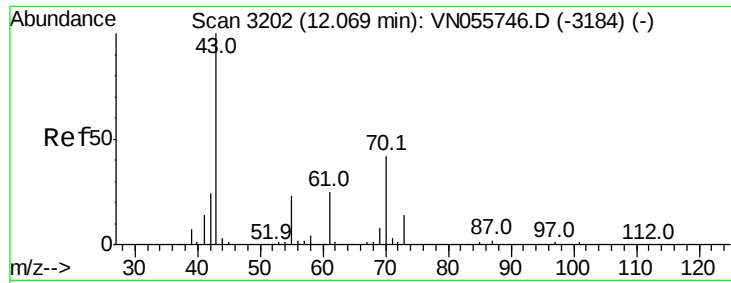
120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 38.857 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

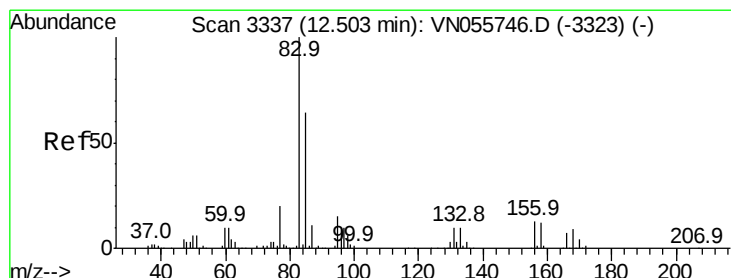
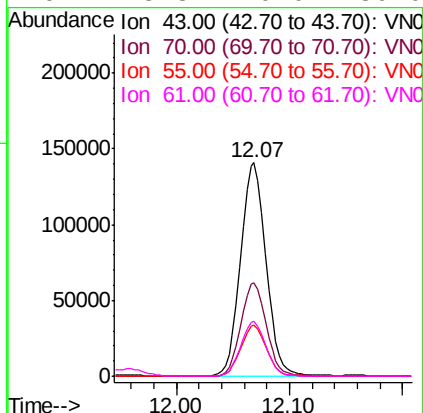
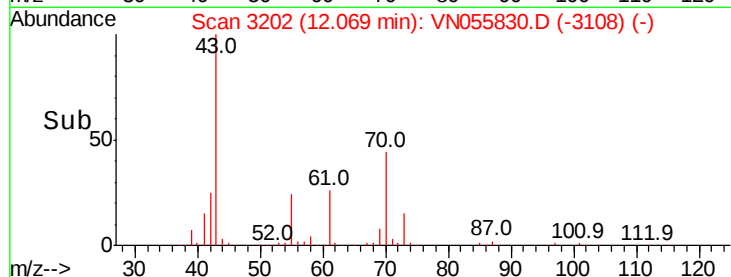
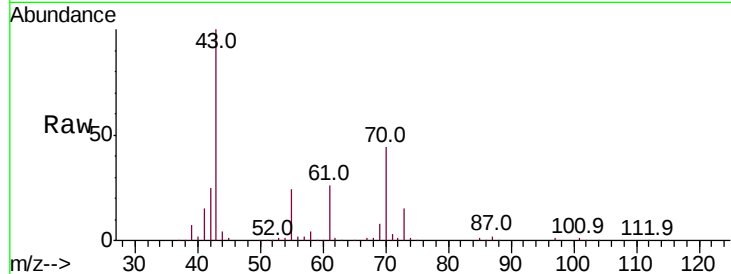
ClientSampleId :

MW2-R1-1MSD

Tot Ion	43	70	55	61
Ion	Ratio	Lower	Upper	
43	100			
70	44.1	34.0	51.0	
55	24.2	18.6	28.0	
61	25.3	20.0	30.0	

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#75

1,1,2,2-Tetrachloroethane

Concen: 54.523 ug/l

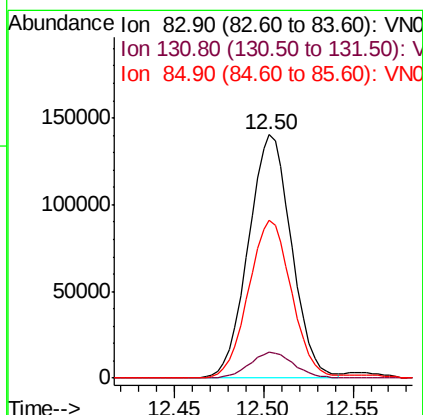
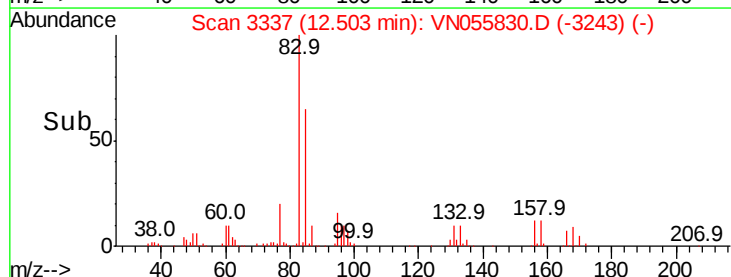
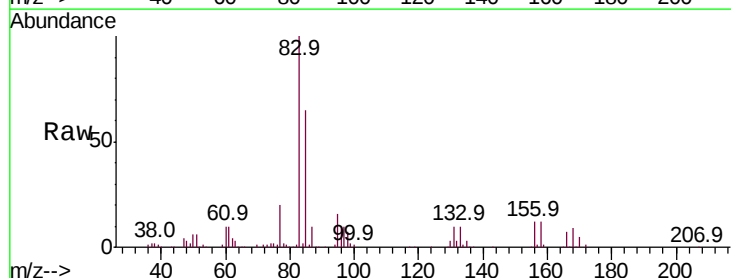
RT: 12.50 min Scan# 3337

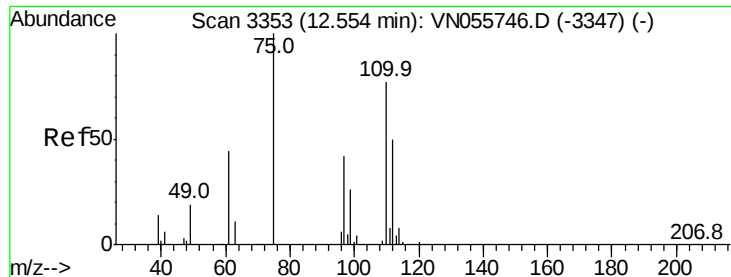
Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Tgt Ion	83	131	85
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.8	32.4	97.0





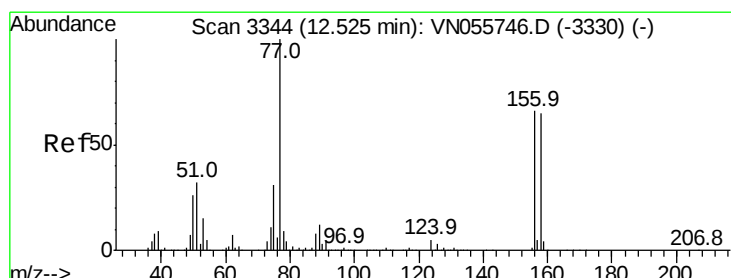
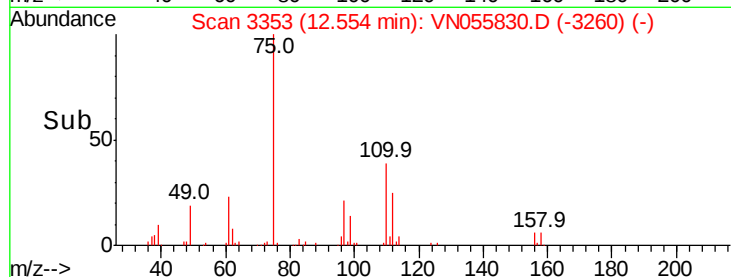
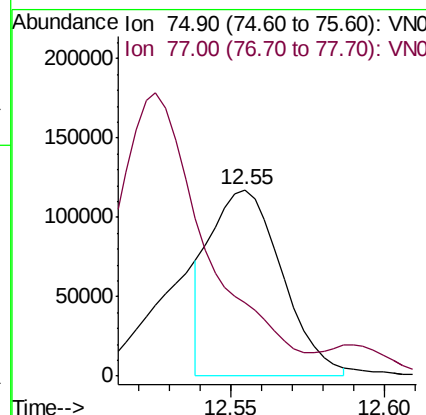
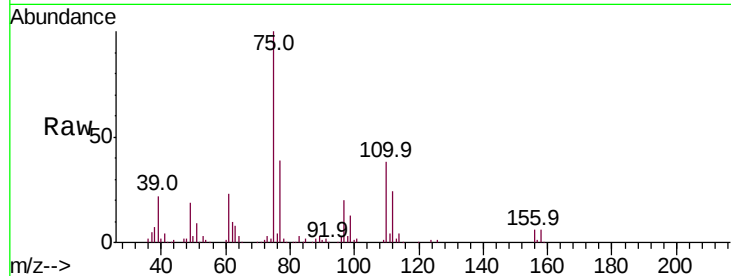
#76
 1,2,3-Trichloropropane
 Concen: 53.031 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
75	100	189117		
77	0.0	0.0	0.0	0.0

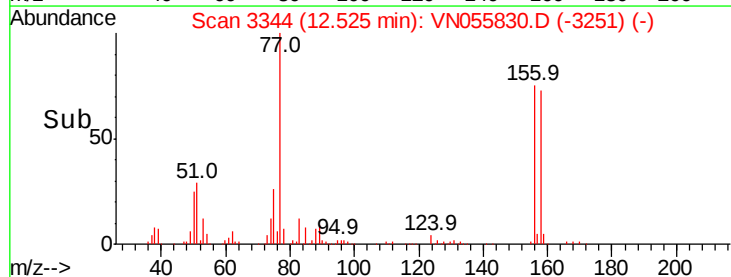
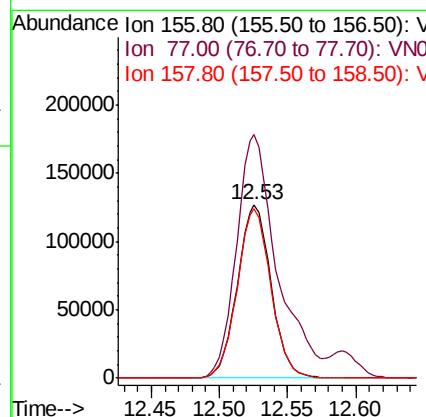
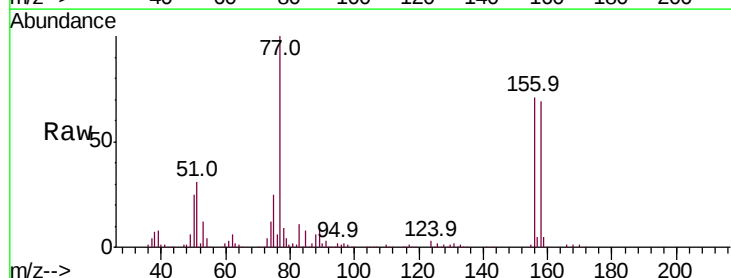
Manual Integrations
 APPROVED

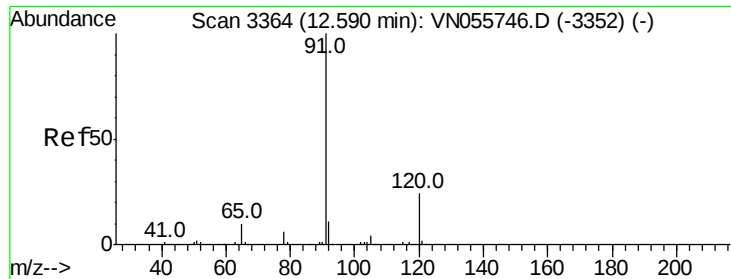
MMDadoda
 5/28/2019 10:36:54 AM



#77
 Bromobenzene
 Concen: 49.028 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	217460		
77	170.6	90.8	272.5	
158	97.5	49.3	147.8	





#78

n-propylbenzene

Concen: 46.559 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MSD

Tot Ion: 91 Resp: 841108

Ion Ratio Lower Upper

91 100

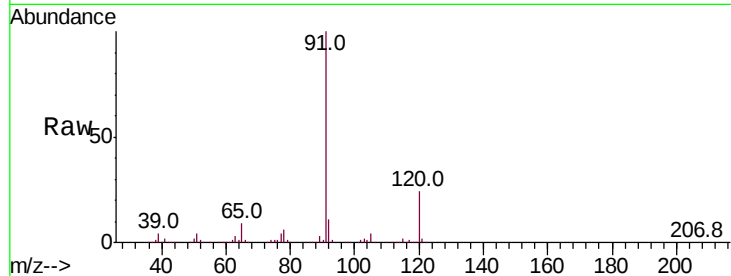
120 24.5 12.0 36.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055830.D (-3271) (-)

Ion 120.00 (119.70 to 120.70): VN055830.D (-3271) (-)

600000

500000

400000

300000

200000

100000

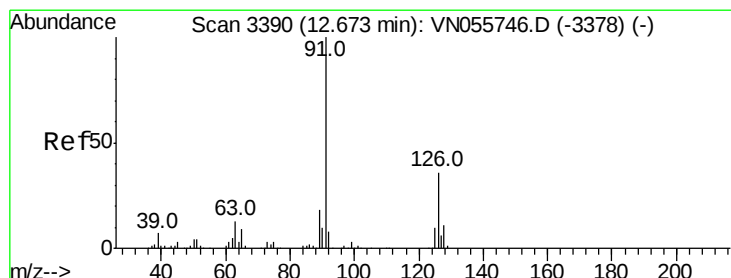
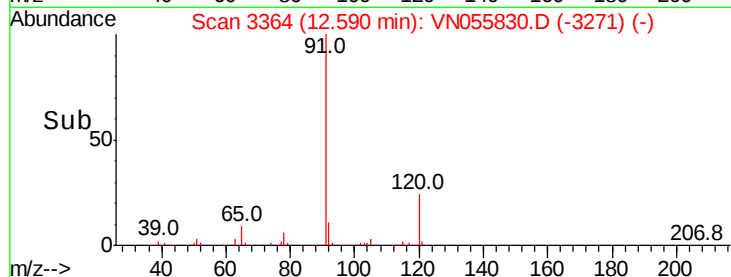
0

12.55

12.60

12.65

Time-->



#79

2-Chlorotoluene

Concen: 52.859 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055830.D

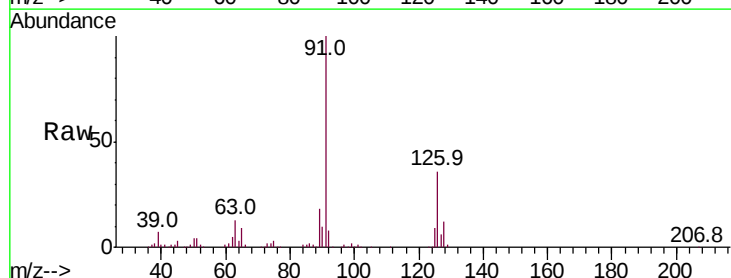
Acq: 25 May 2019 6:19

Tgt Ion: 91 Resp: 512935

Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055830.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055830.D (-3297) (-)

400000

300000

200000

100000

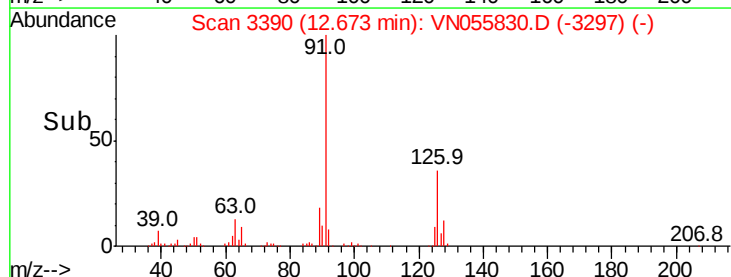
0

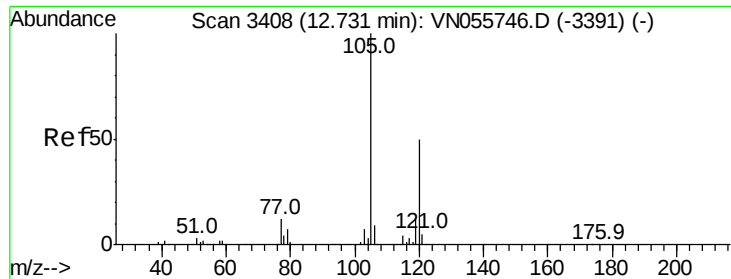
12.60

12.65

12.70

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 52.191 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

ClientSampleId :

MW2-R1-1MSD

Tot Ion:105 Resp: 648134

Ion Ratio Lower Upper

105 100

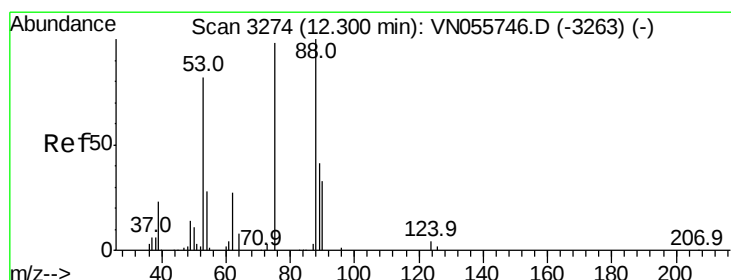
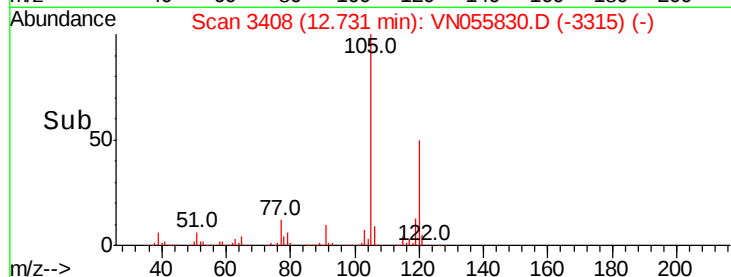
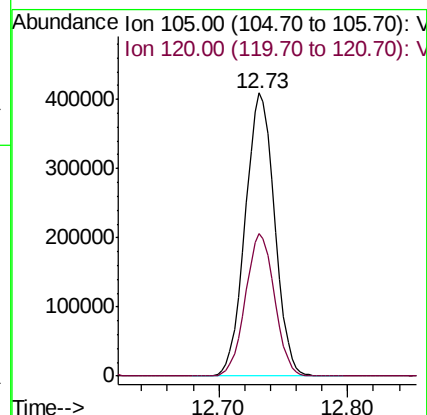
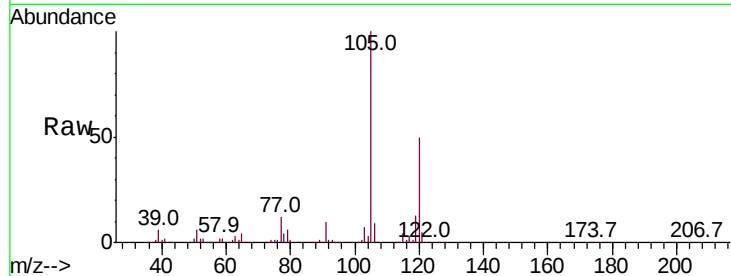
120 49.9 24.7 74.1

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 37.945 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

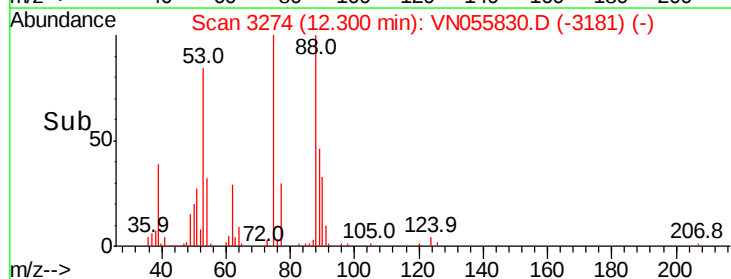
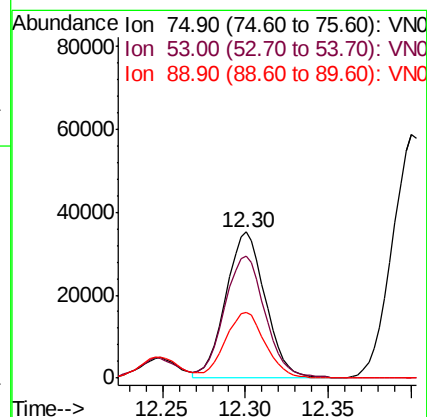
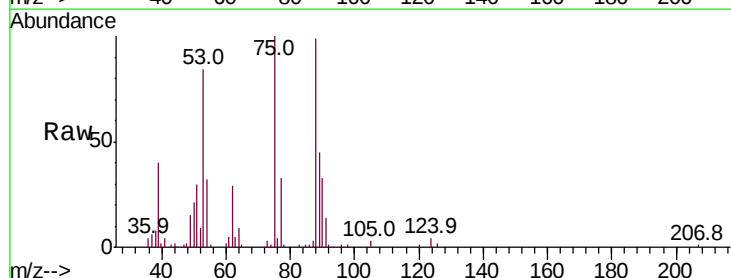
Tgt Ion: 75 Resp: 58618

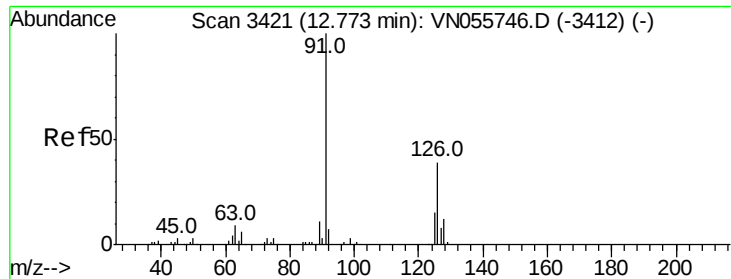
Ion Ratio Lower Upper

75 100

53 86.4 68.1 102.1

89 45.1 36.9 55.3





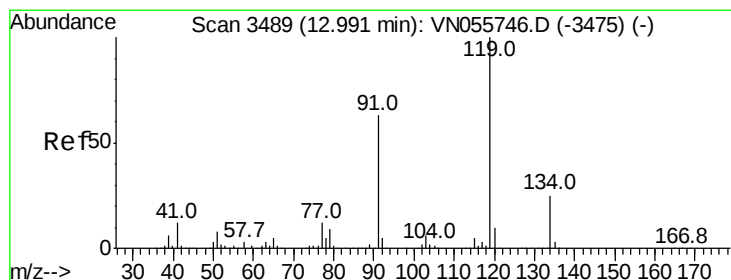
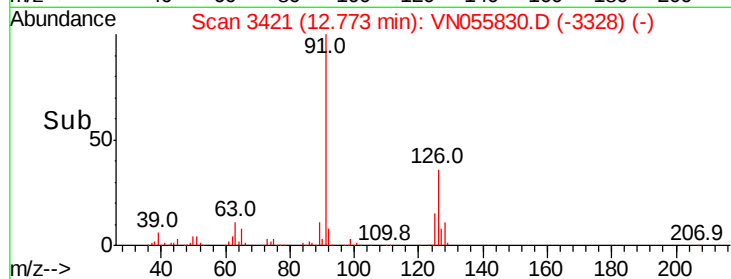
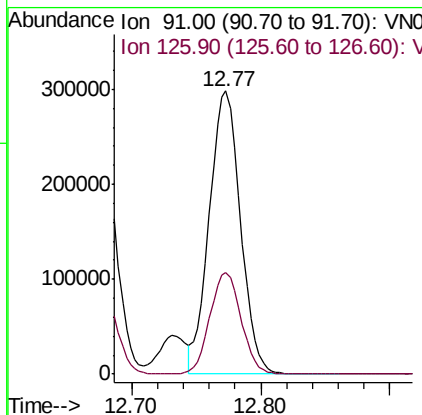
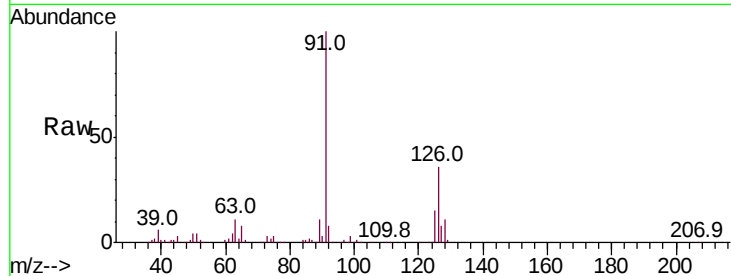
#82
4-Chlorotoluene
Concen: 47.137 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.3

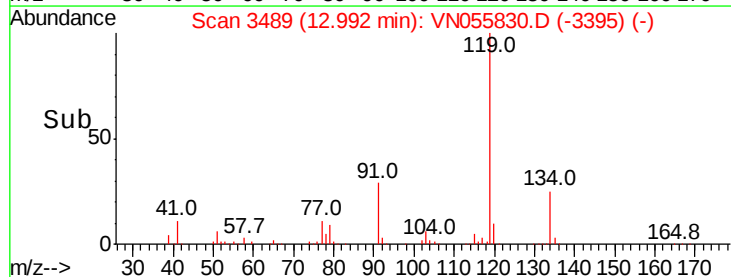
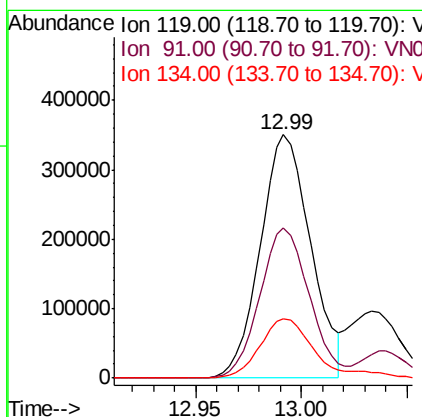
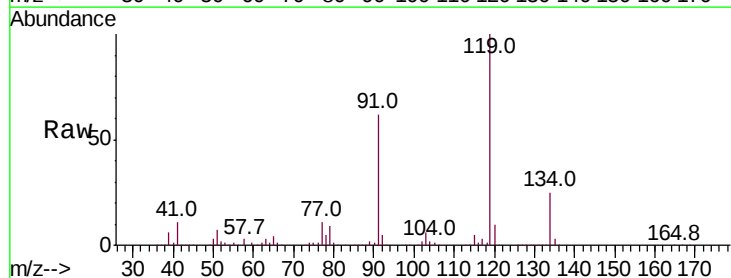
Manual Integrations
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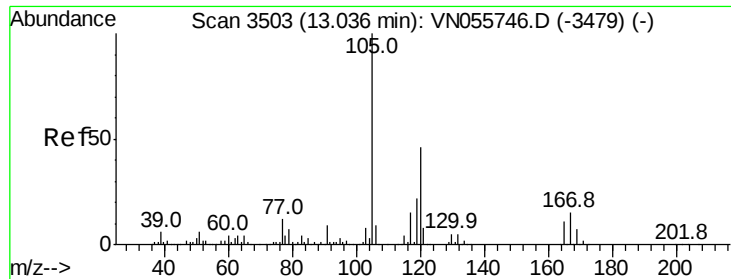
MMDadoda
5/28/2019 10:36:54 AM



#83
tert-Butylbenzene
Concen: 54.407 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.9	92.8
134	26.7	13.3	39.8





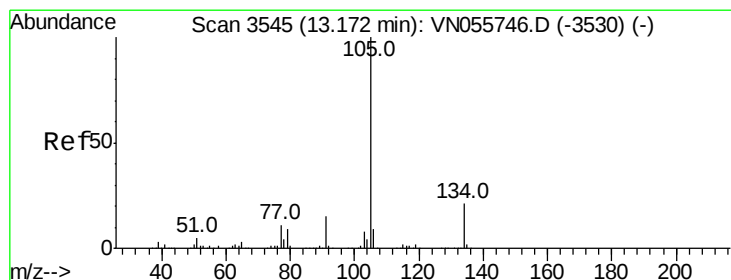
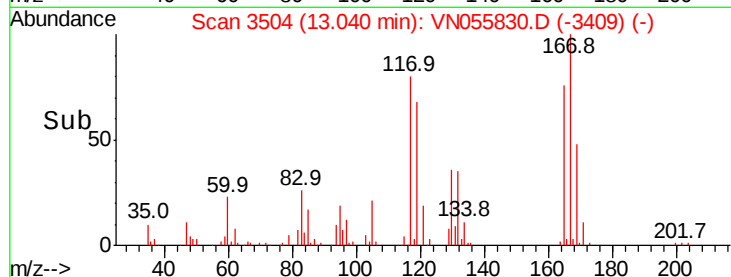
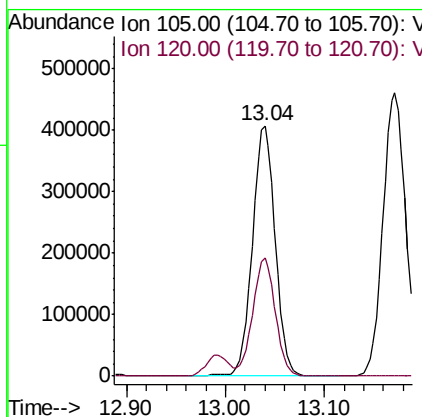
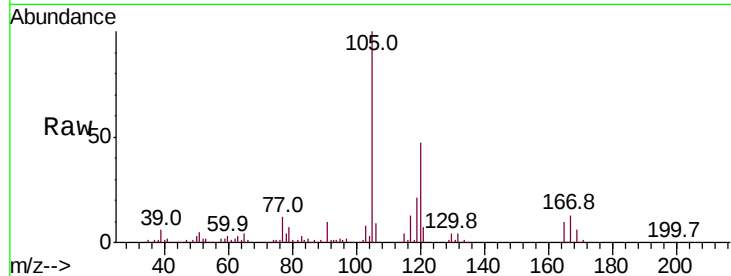
#84
1,2,4-Trimethylbenzene
Concen: 51.983 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion:105 Resp: 644728
Ion Ratio Lower Upper
105 100
120 46.6 23.0 69.0

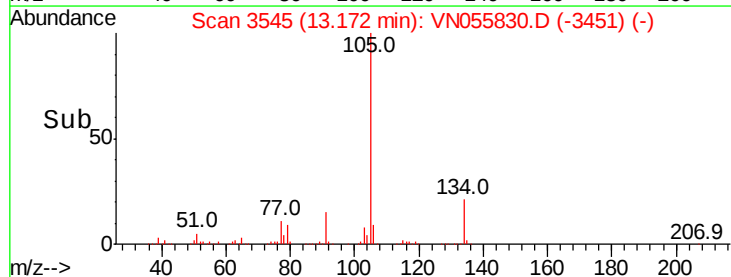
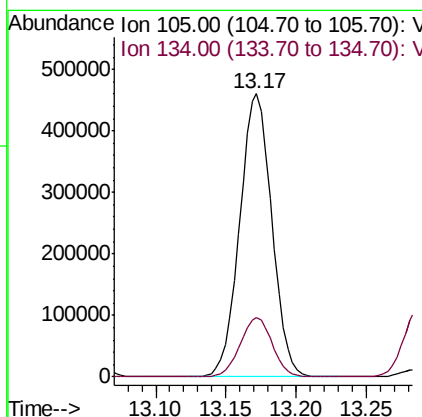
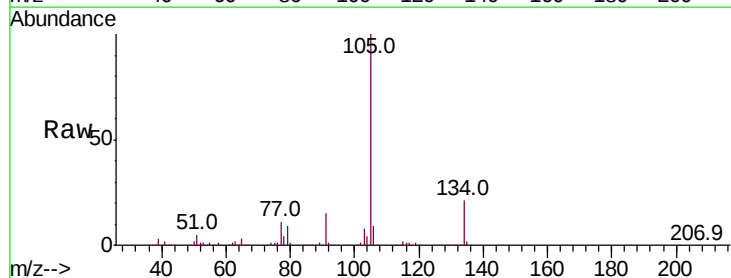
Manual Integrations
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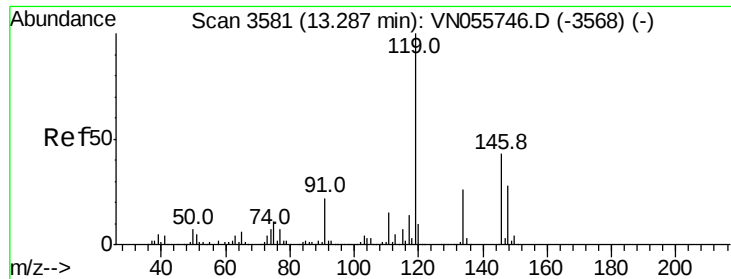
MMDadoda
5/28/2019 10:36:54 AM



#85
sec-Butylbenzene
Concen: 52.587 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion:105 Resp: 734102
Ion Ratio Lower Upper
105 100
134 20.9 10.4 31.2





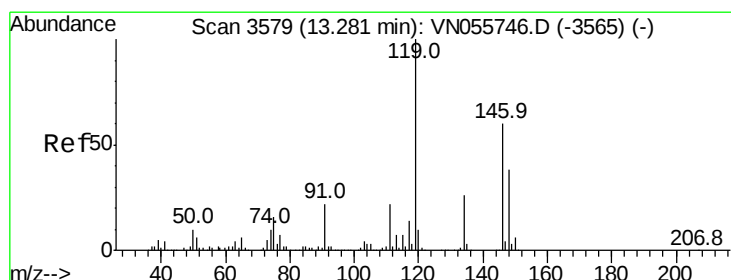
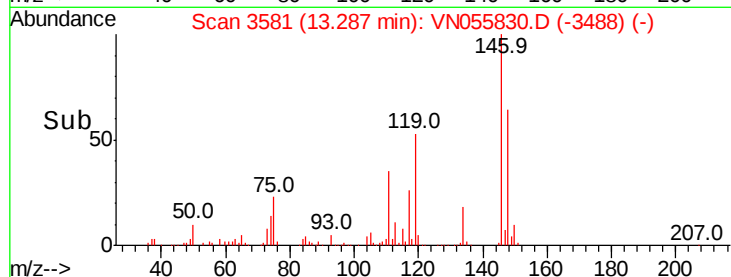
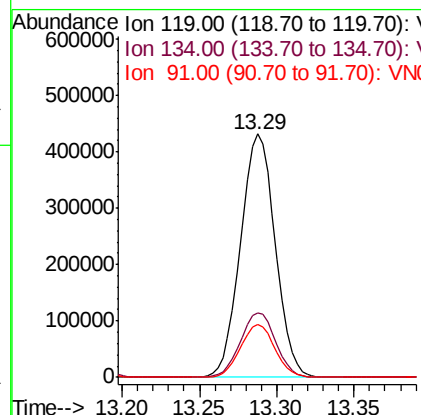
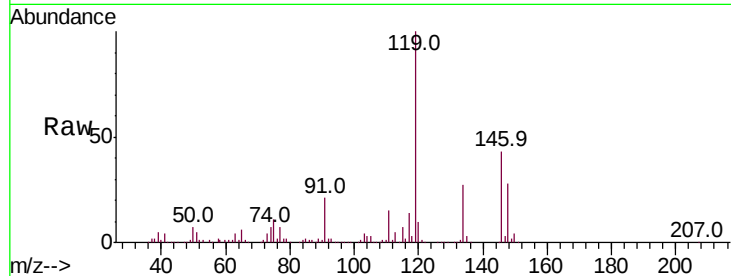
#86
 p-Isopropyltoluene
 Concen: 46.436 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	670281		
134	27.0		13.4	40.1
91	21.4		10.9	32.9

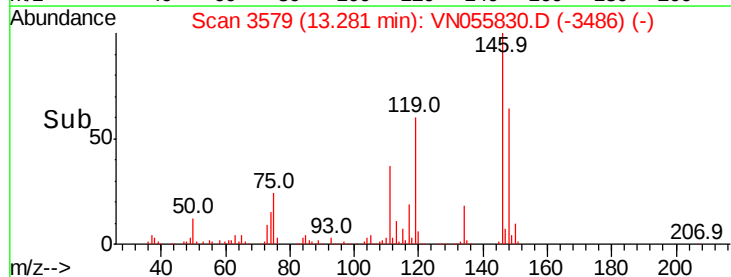
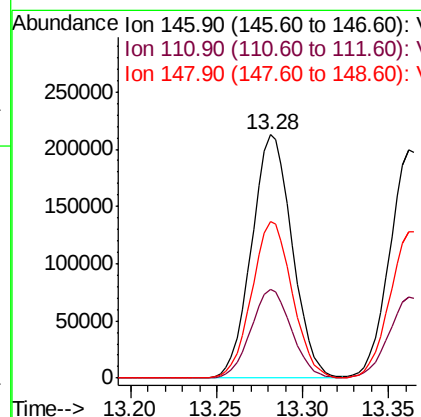
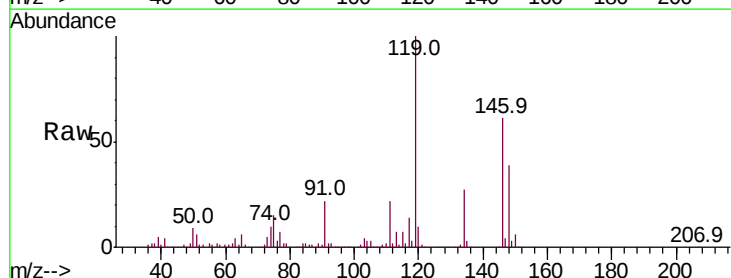
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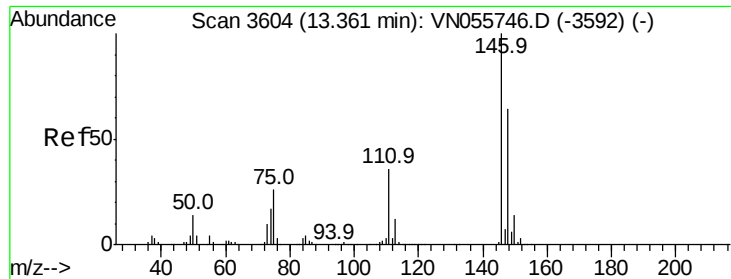
MMDadoda
 5/28/2019 10:36:54 AM



#87
 1,3-Dichlorobenzene
 Concen: 49.466 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	347403		
111	36.4		18.5	55.5
148	64.2		32.0	96.2





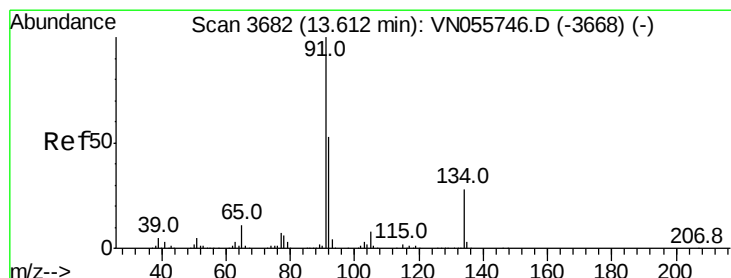
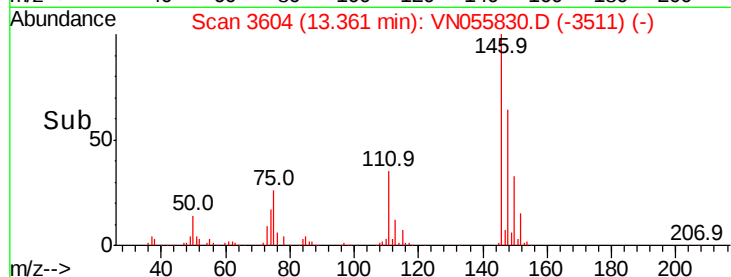
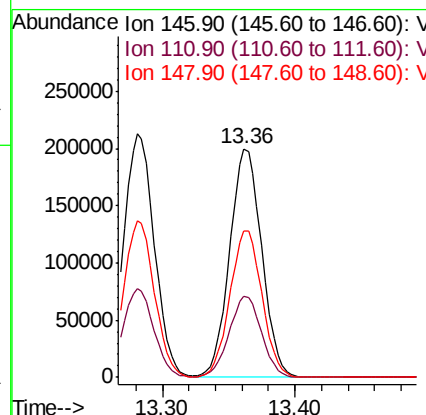
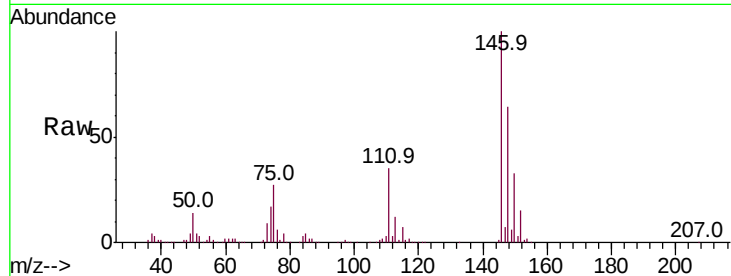
#88
 1,4-Dichlorobenzene
 Concen: 50.205 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampled :
 MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.4
148	64.4	32.1	96.5

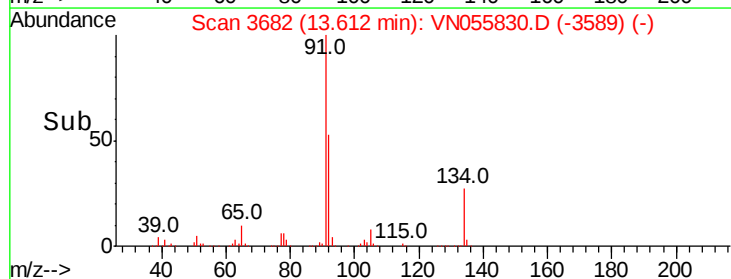
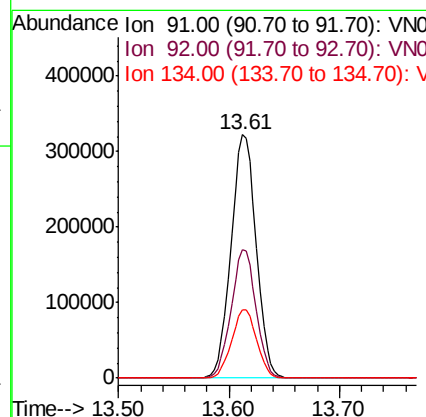
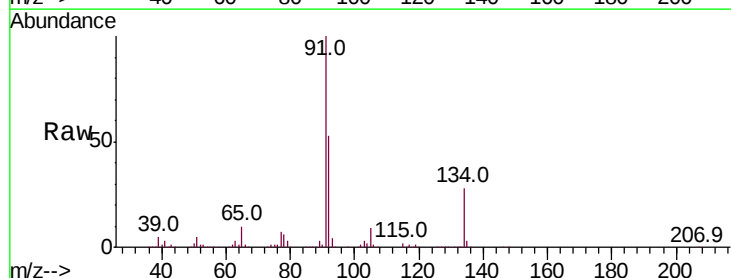
Manual Integrations
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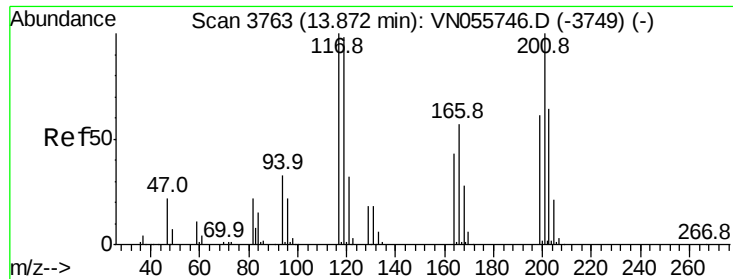
MMDadoda
 5/28/2019 10:36:54 AM



#89
 n-Butylbenzene
 Concen: 46.087 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.4	79.0
134	28.1	13.9	41.7





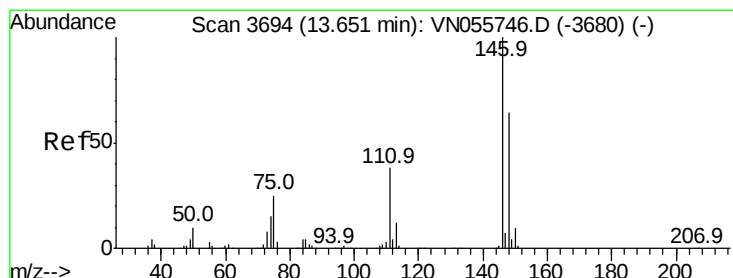
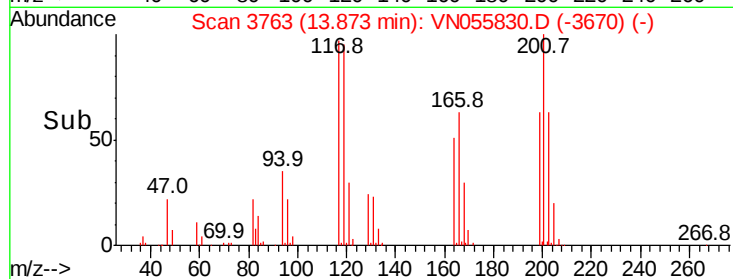
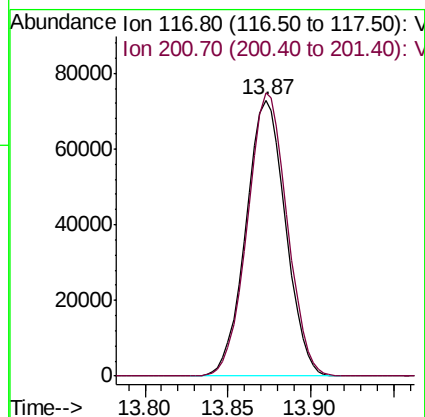
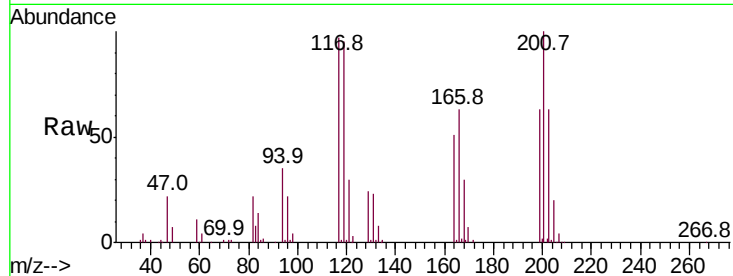
#90
Hexachloroethane
Concen: 44.078 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Instrument :
MSVOA_N
ClientSampleId :
MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
117	100		
201	102.7	50.0	150.0

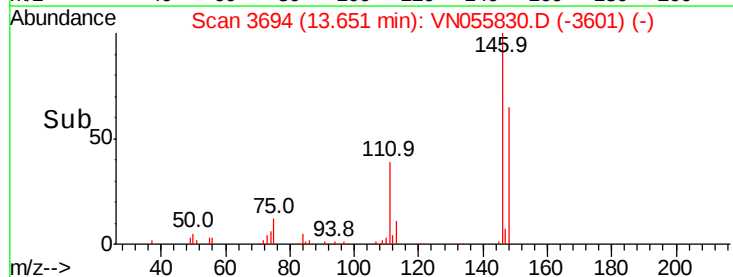
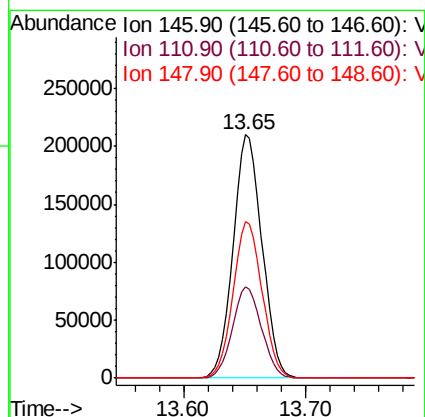
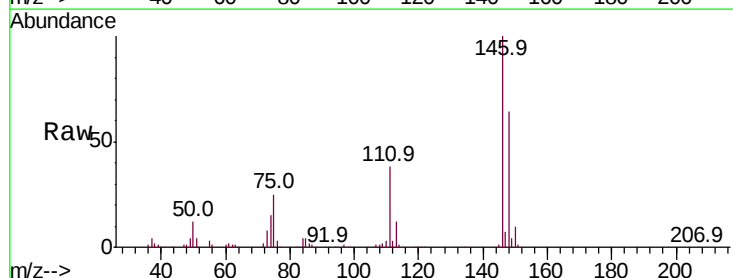
Manual Integrations
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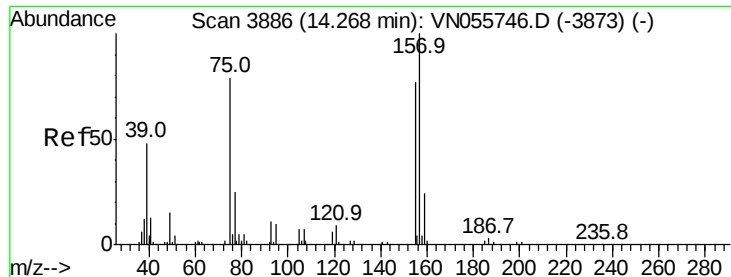
MMDadoda
5/28/2019 10:36:54 AM



#91
1,2-Dichlorobenzene
Concen: 49.427 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN055830.D
Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	64.6	31.9	95.9





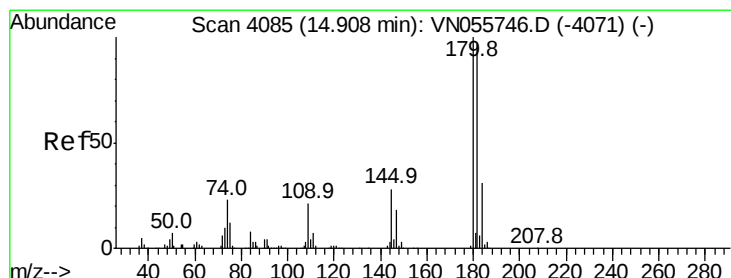
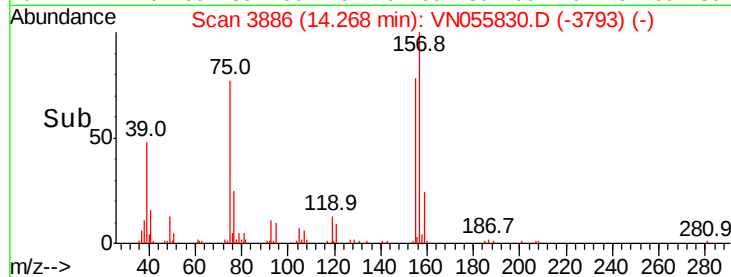
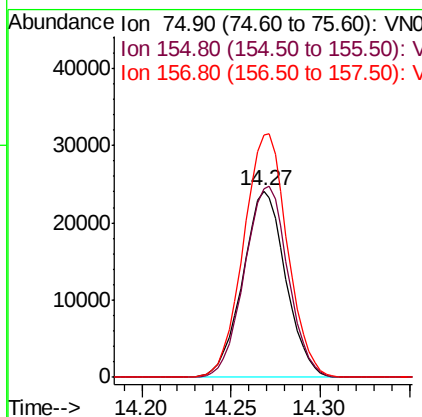
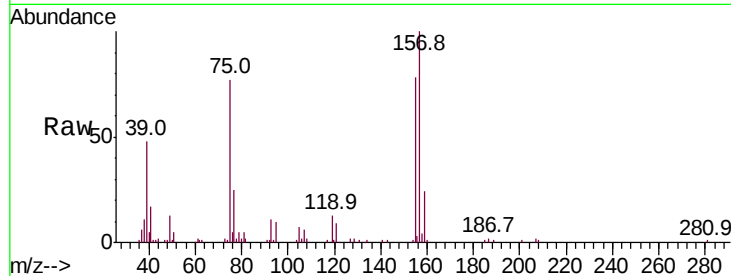
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.976 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	103.8	50.0	150.1
157	133.7	64.8	194.3

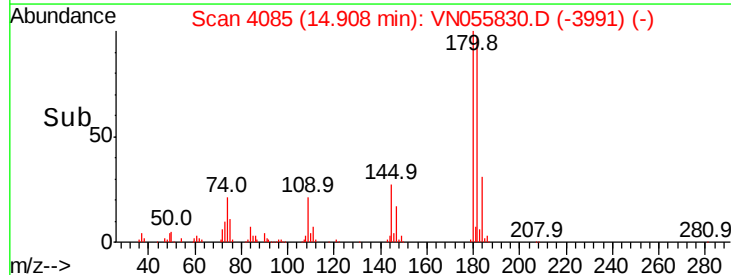
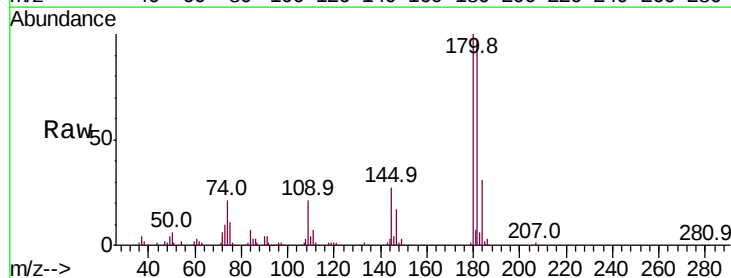
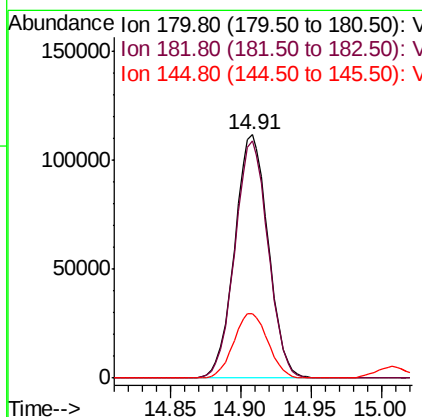
Manual Integrations
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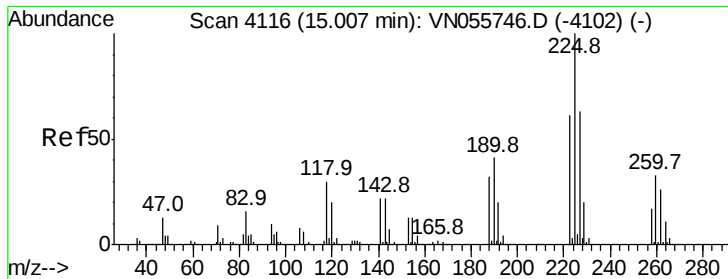
MMDadoda
 5/28/2019 10:36:54 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 46.519 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.3	144.9
145	27.2	14.0	41.9





#94

Hexachlorobutadiene

Concen: 50.731 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055830.D

Acq: 25 May 2019 6:19

Instrument :

MSVOA_N

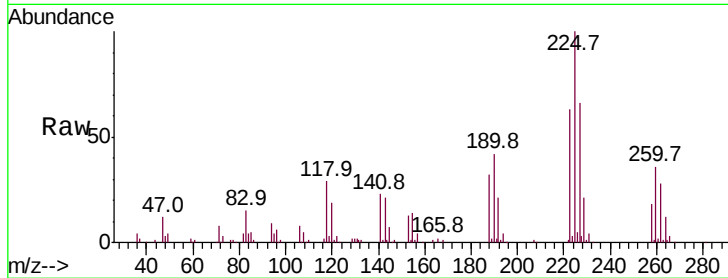
ClientSampleId :

MW2-R1-1MSD

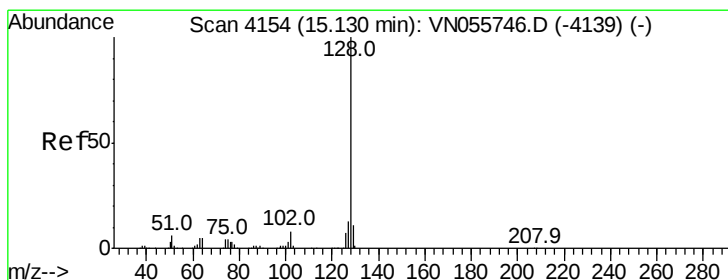
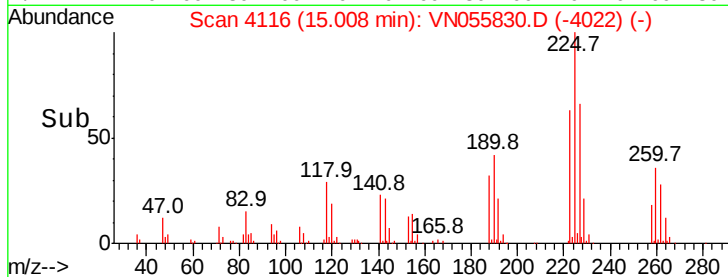
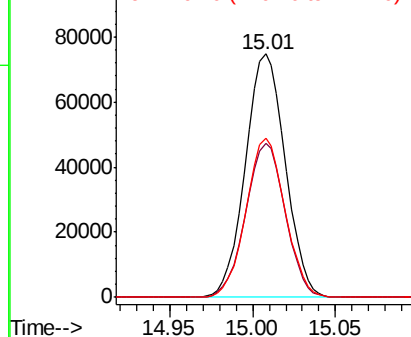
Tot Ion:	225	Resp:	125035
Ion Ratio		Lower	Upper
225	100		
223	62.6	30.9	92.7
227	63.7	31.6	94.7

Manual Integrations
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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: 52.417 ug/l

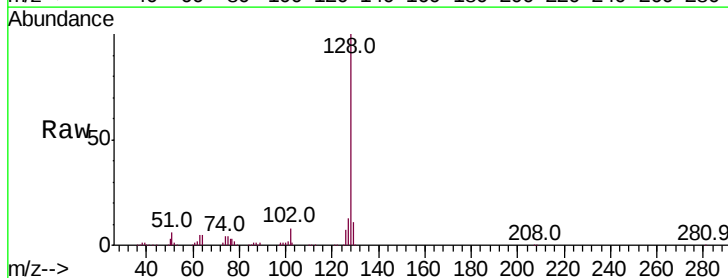
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

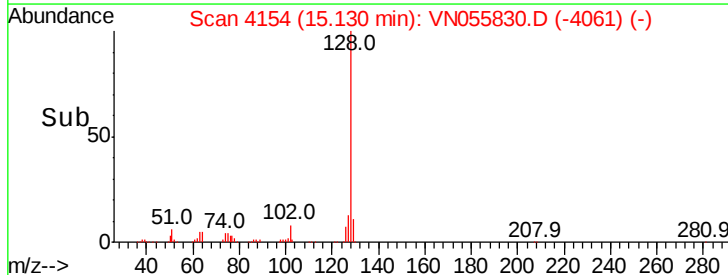
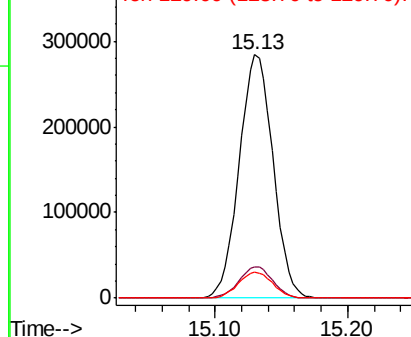
Lab File: VN055830.D

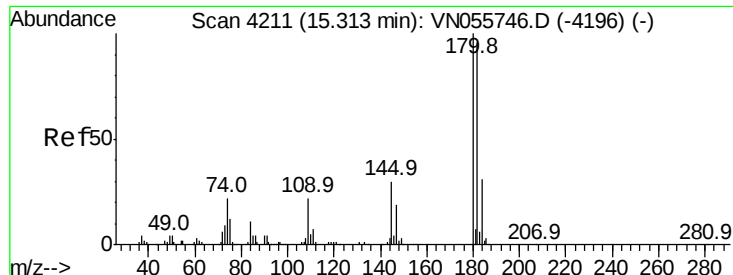
Acq: 25 May 2019 6:19

Tgt Ion:	128	Resp:	503993
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1



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





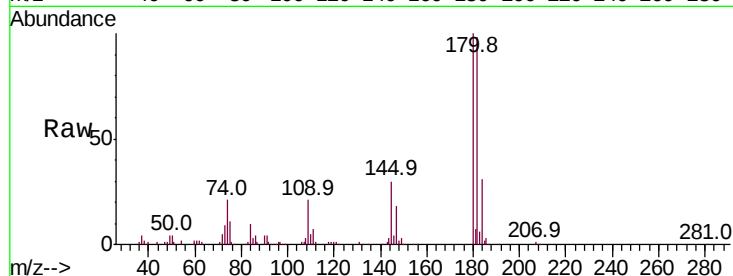
#96
 1,2,3-Trichlorobenzene
 Concen: 52.269 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055830.D
 Acq: 25 May 2019 6:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-R1-1MSD

Tot Ion:	180	Resp:	193601
Ion Ratio	Lower	Upper	
180	100		
182	97.9	47.9	143.7
145	29.9	14.9	44.7

Manual Integrations
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 5/28/2019 10:36:54 AM



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

