

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053288.D
 Acq On : 4 Jan 2019 18:35
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:10 AM

Quant Time: Jan 07 09:25:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 05 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	922441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1401790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1255120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	606439	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	472207	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.59	113	396513	59.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.20%	
50) Toluene-d8	10.09	98	1710945	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	594531	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	418736	45.433	ug/l	100
3) Chloromethane	2.06	50	554997	49.155	ug/l	100
4) Vinyl Chloride	2.19	62	542341	47.620	ug/l	100
5) Bromomethane	2.57	94	340066	43.290	ug/l	100
6) Chloroethane	2.71	64	314964	46.841	ug/l	100
7) Trichlorofluoromethane	3.02	101	683745	48.153	ug/l	100
8) Diethyl Ether	3.41	74	273720	50.661	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	430013	47.417	ug/l	100
10) Methyl Iodide	3.96	142	637403	50.270	ug/l	100
11) Tert butyl alcohol	4.77	59	153193	265.372	ug/l	100
12) 1,1-Dichloroethene	3.74	96	425483	48.590	ug/l	100
13) Acrolein	3.61	56	174892	317.023	ug/l	100
14) Allyl chloride	4.33	41	666039	49.002	ug/l	100
15) Acrylonitrile	4.99	53	873862	270.703	ug/l	100
16) Acetone	3.81	43	583331	302.462	ug/l	100
17) Carbon Disulfide	4.06	76	1297820	45.560	ug/l	100
18) Methyl Acetate	4.33	43	399158	46.505	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1203151	50.970	ug/l	100
20) Methylene Chloride	4.55	84	489762	48.843	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	456591	48.401	ug/l	100
22) Diisopropyl ether	5.95	45	1492882	51.169	ug/l	100
23) Vinyl Acetate	5.90	43	4796757	278.747	ug/l	100
24) 1,1-Dichloroethane	5.85	63	853287	49.416	ug/l	100
25) 2-Butanone	6.83	43	980404	305.863	ug/l	100
26) 2,2-Dichloropropane	6.83	77	616414	47.092	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	527123	49.326	ug/l	100
28) Bromochloromethane	7.20	49	379254	50.633	ug/l	100
29) Tetrahydrofuran	7.21	42	653456	278.562	ug/l	100
30) Chloroform	7.37	83	836178	49.335	ug/l	100
31) Cyclohexane	7.66	56	804705	42.079	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	698732	48.511	ug/l	100
36) 1,1-Dichloropropene	7.80	75	648567	48.265	ug/l	100
37) Ethyl Acetate	6.93	43	431449	56.284	ug/l	100
38) Carbon Tetrachloride	7.78	117	606325	49.262	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	757710	46.656	ug/l	100
40) Benzene	8.04	78	1993402	49.711	ug/l	100
41) Methacrylonitrile	7.18	41	245920m	56.387	ug/l	
42) 1,2-Dichloroethane	8.13	62	585698	49.533	ug/l	100
43) Isopropyl Acetate	8.16	43	779445	46.243	ug/l	100
44) Trichloroethene	8.84	130	543474	47.335	ug/l	100
45) 1,2-Dichloropropane	9.12	63	522824	50.067	ug/l	100
46) Dibromomethane	9.21	93	308223	50.537	ug/l	100
47) Bromodichloromethane	9.40	83	635546	49.273	ug/l	100
48) Methyl methacrylate	9.20	41	390327	52.922	ug/l	100
49) 1,4-Dioxane	9.20	88	90406	976.818	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	2166909	290.060	ug/l	100
52) Toluene	10.16	92	1245588	50.108	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	668941	49.398	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	771848	49.682	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	447211	51.344	ug/l	100
56) Ethyl methacrylate	10.43	69	613631	53.059	ug/l	100
57) 1,3-Dichloropropane	10.71	76	755765	50.834	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1639205	259.995	ug/l	100
59) 2-Hexanone	10.75	43	1501239	295.327	ug/l	100
60) Dibromochloromethane	10.90	129	499921	50.369	ug/l	100
61) 1,2-Dibromoethane	11.01	107	452864	51.265	ug/l	100
64) Tetrachloroethene	10.63	164	596123	44.770	ug/l	100
65) Chlorobenzene	11.44	112	1363685	49.032	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	480954	49.707	ug/l	100
67) Ethyl Benzene	11.51	91	2358354	49.322	ug/l	100
68) m/p-Xylenes	11.62	106	1797935	98.860	ug/l	100
69) o-Xylene	11.95	106	871154	49.963	ug/l	100
70) Styrene	11.97	104	1443450	50.704	ug/l	100
71) Bromoform	12.13	173	347461	49.838	ug/l	100
73) Isopropylbenzene	12.25	105	2297851	48.519	ug/l	100
74) N-amyl acetate	12.07	43	701688	52.754	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	508631	53.346	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	430651m	43.016	ug/l	
77) Bromobenzene	12.53	156	600908	48.736	ug/l	100
78) n-propylbenzene	12.59	91	2619797	48.584	ug/l	100
79) 2-Chlorotoluene	12.68	91	1547673	46.275	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1850192	47.985	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	160519	50.776	ug/l	100
82) 4-Chlorotoluene	12.77	91	1586271	48.420	ug/l	100
83) tert-Butylbenzene	12.99	119	1596178	46.872	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1885752	48.626	ug/l	100
85) sec-Butylbenzene	13.17	105	2131234	46.365	ug/l	100
86) p-Isopropyltoluene	13.29	119	1871060	47.104	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1051091	48.240	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1037856	46.998	ug/l	100
89) n-Butylbenzene	13.62	91	1548933	45.412	ug/l	100
90) Hexachloroethane	13.88	117	298110	48.640	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	997153	48.580	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66520	42.444	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	330429	28.599	ug/l	100
94) Hexachlorobutadiene	15.01	225	261946	37.451	ug/l	100
95) Naphthalene	15.13	128	573555	22.887	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	212550	20.250	ug/l	100

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

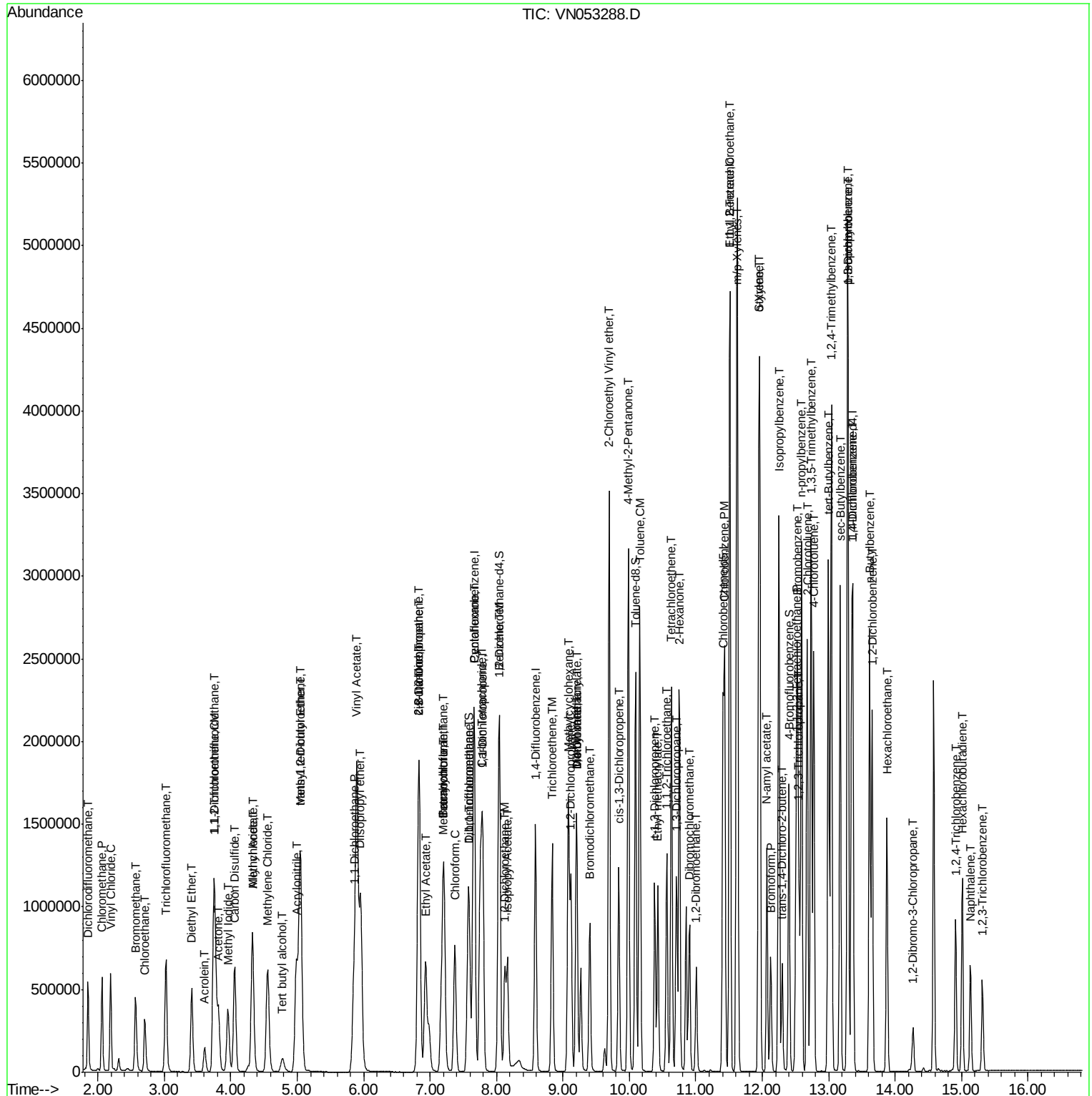
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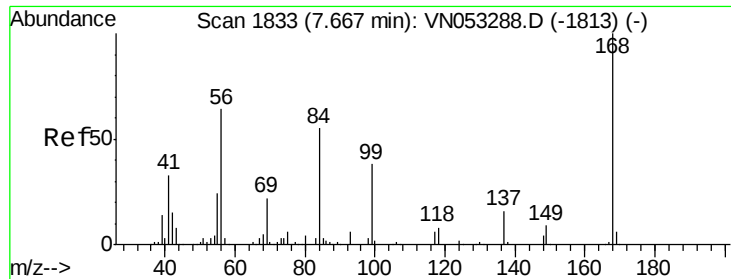
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 922441

Ion Ratio Lower Upper

168 100

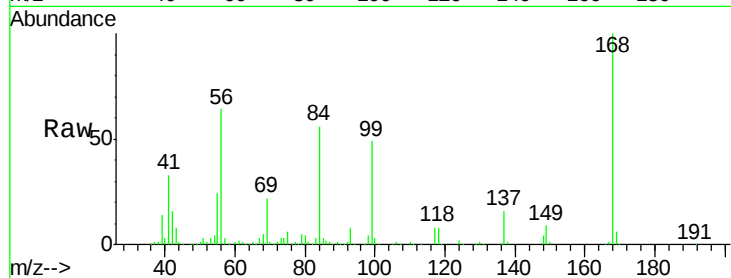
99 48.9 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

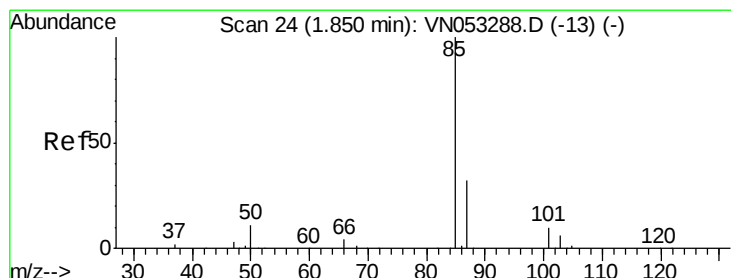
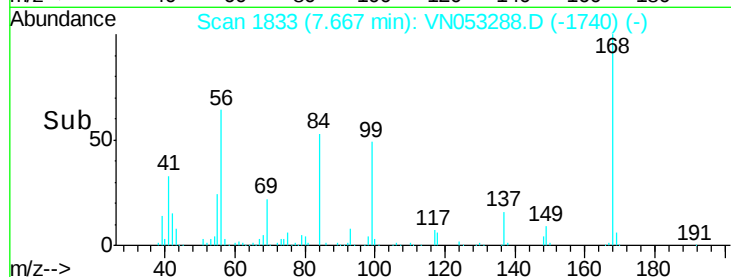
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.433 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053288.D

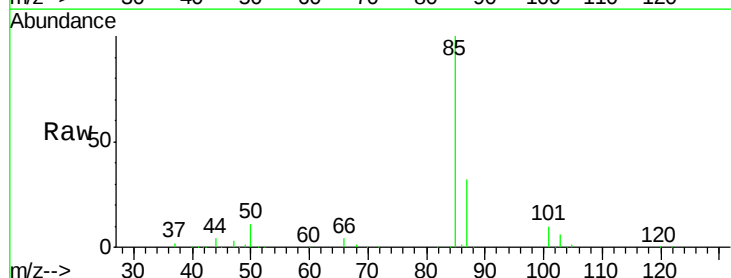
Acq: 4 Jan 2019 18:35

Tgt Ion: 85 Resp: 418736

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

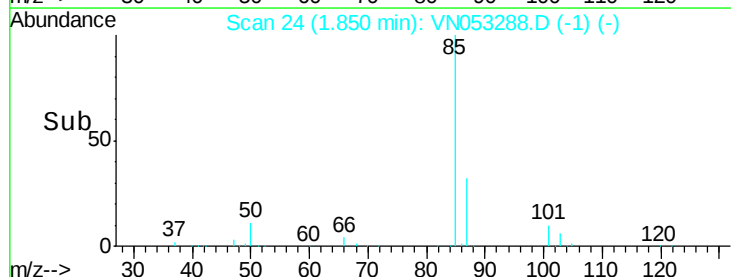
200000

100000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 49.155 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 554997

Ion Ratio Lower Upper

50 100

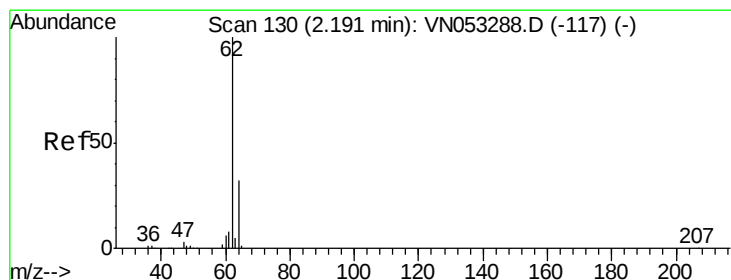
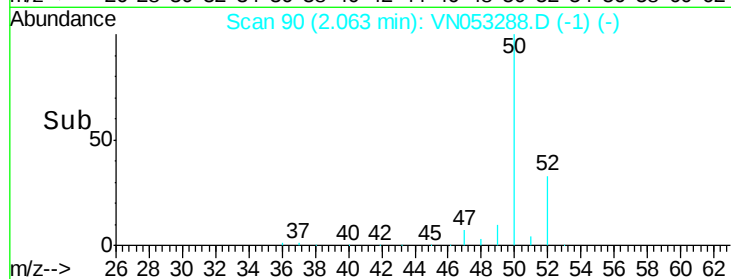
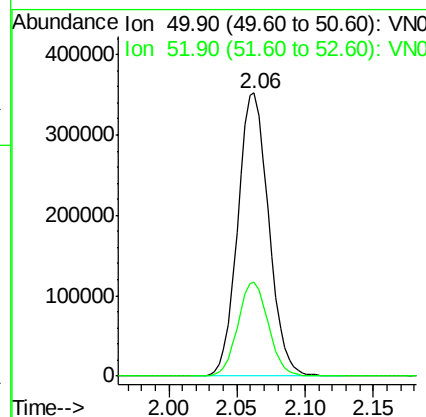
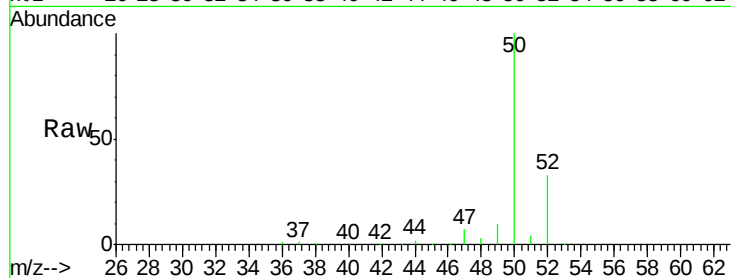
52 33.3 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.620 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053288.D

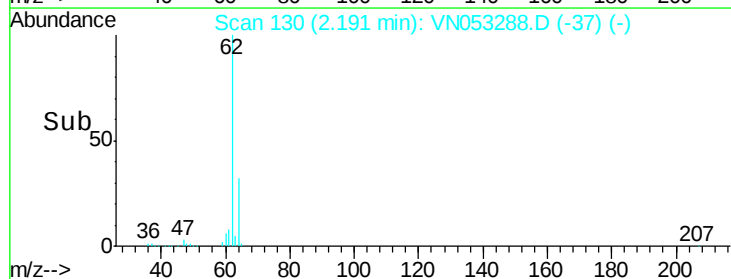
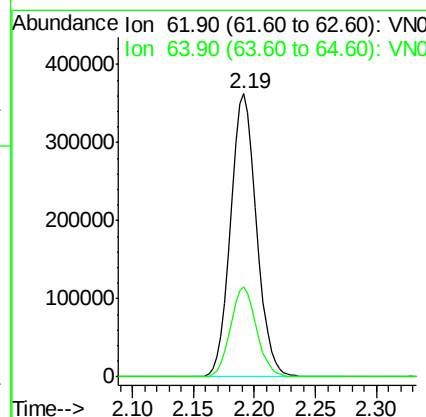
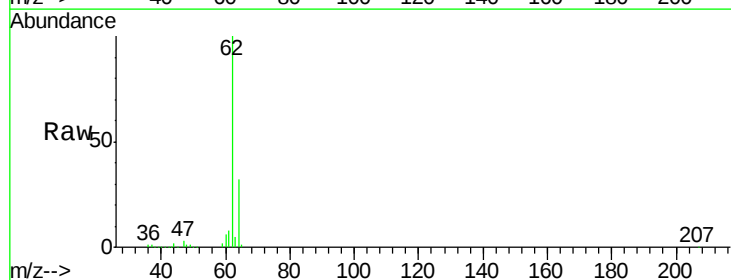
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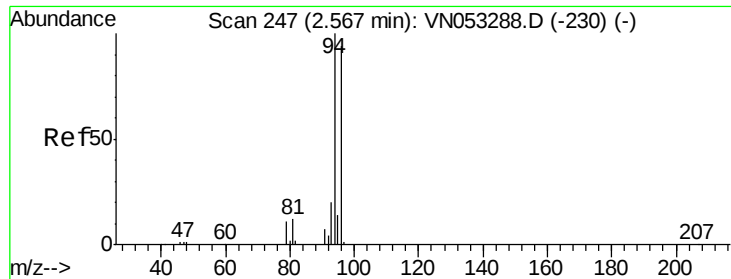
Tgt Ion: 62 Resp: 542341

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 43.290 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 340066

Ion Ratio Lower Upper

94 100

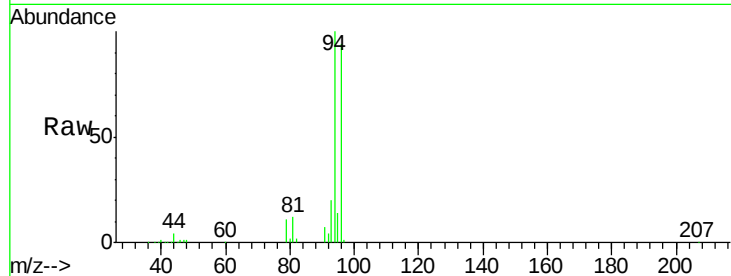
96 93.6 74.9 112.3

Manual Integrations

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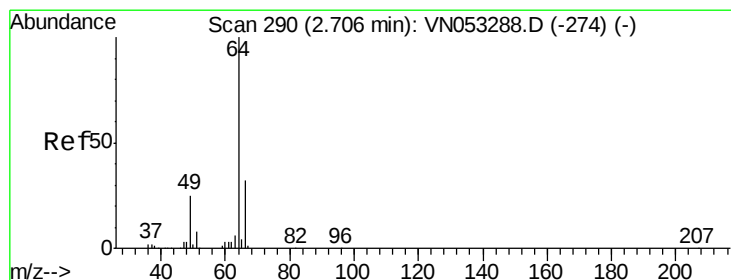
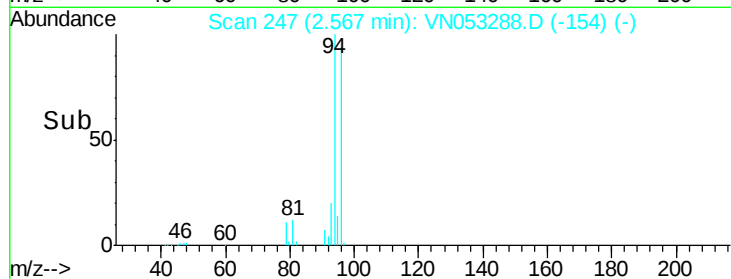
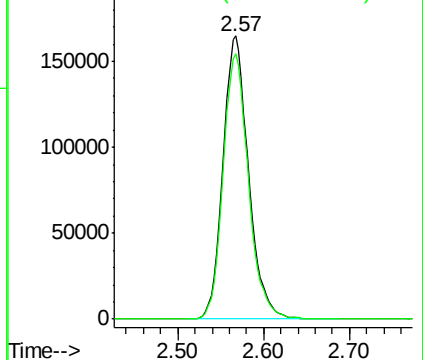
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.841 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053288.D

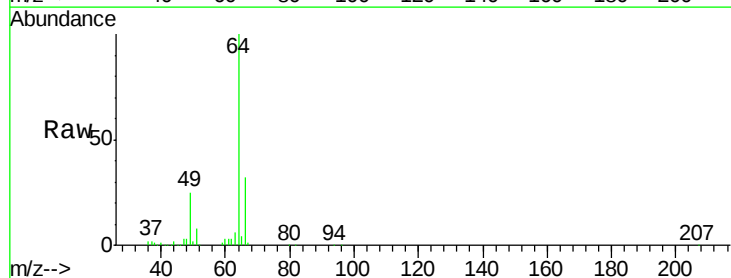
Acq: 4 Jan 2019 18:35

Tgt Ion: 64 Resp: 314964

Ion Ratio Lower Upper

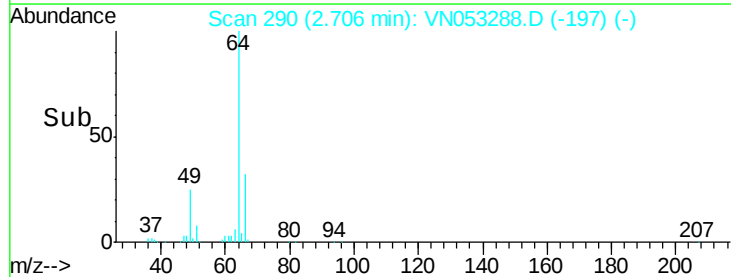
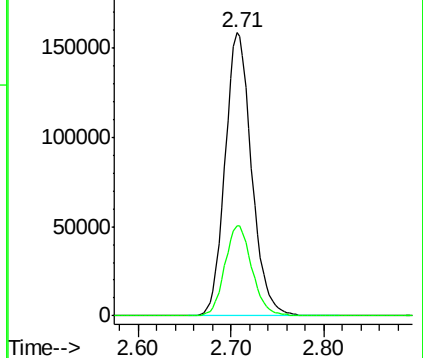
64 100

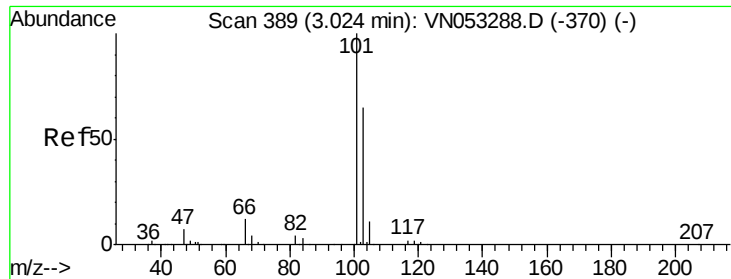
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

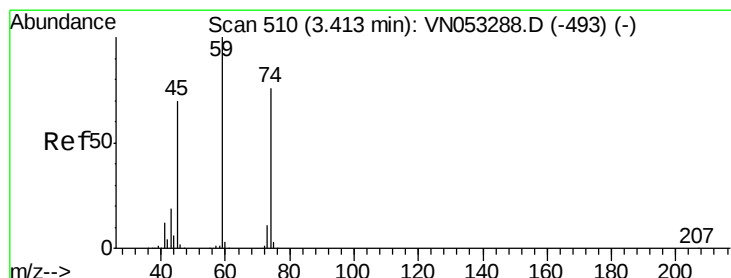
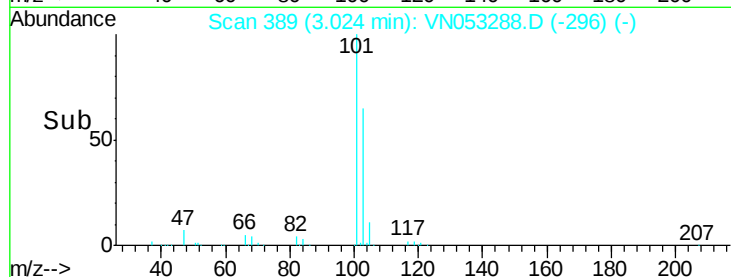
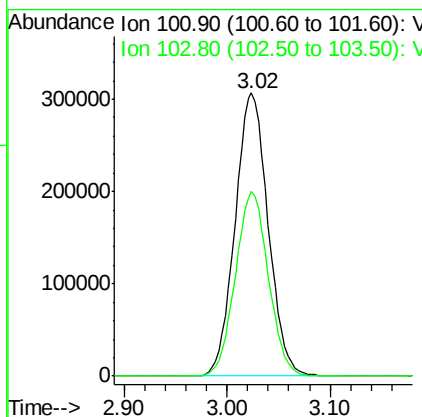
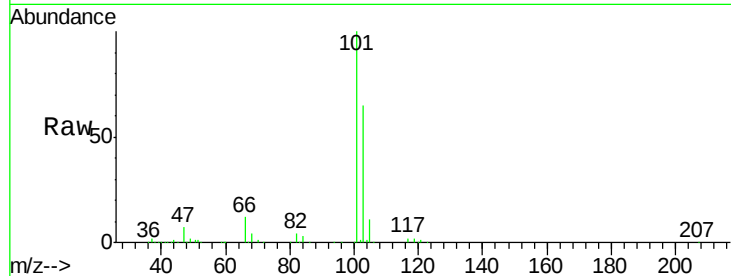
Trichlorofluoromethane
 Concen: 48.153 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

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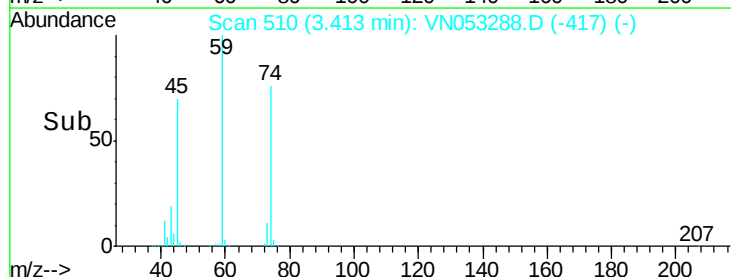
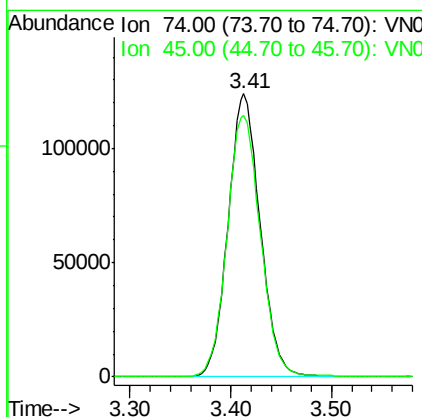
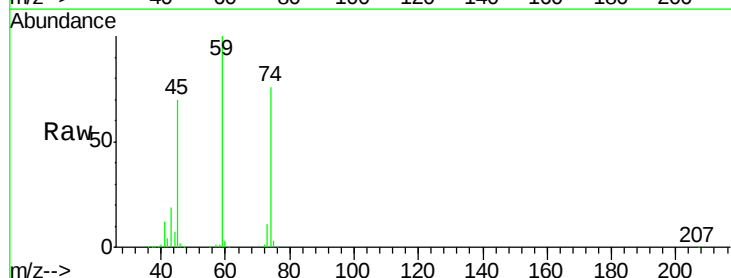
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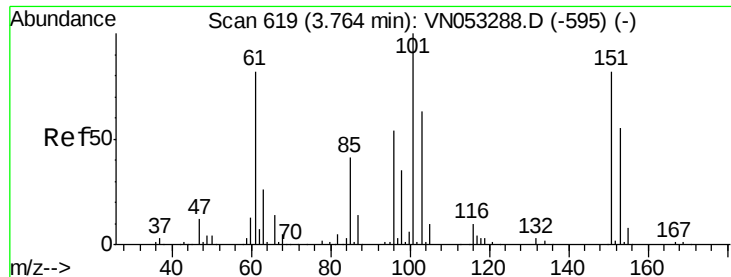


#8

Diethyl Ether
 Concen: 50.661 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053288.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.3	144.9





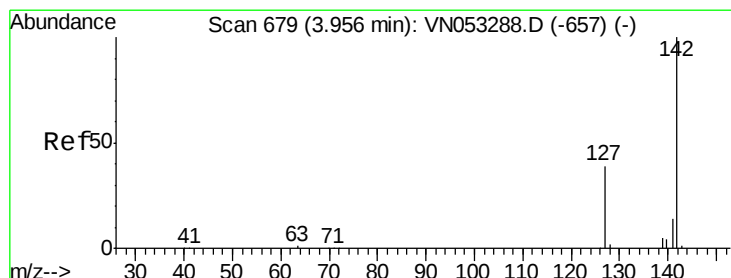
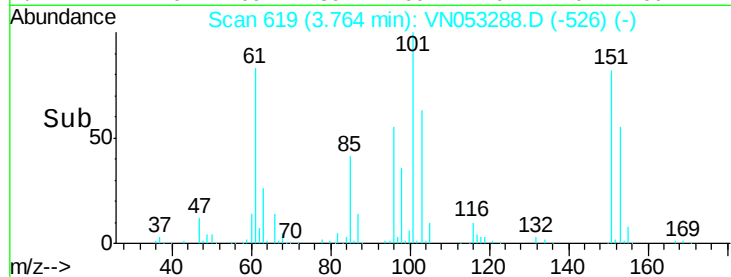
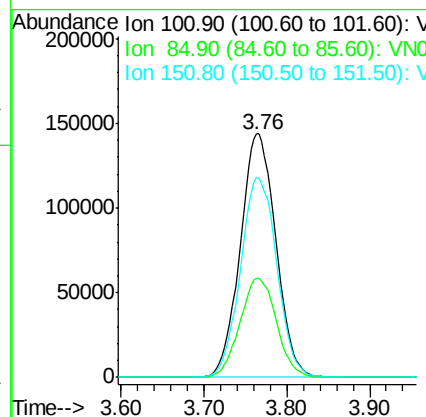
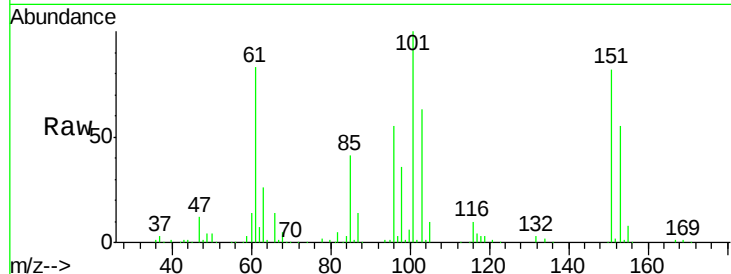
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.417 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	430013		
85	41.6	33.3	49.9	
151	83.7	67.0	100.4	

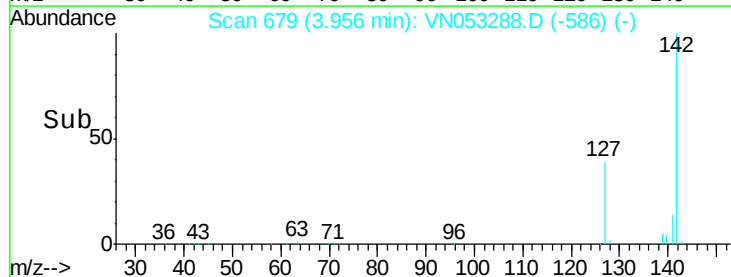
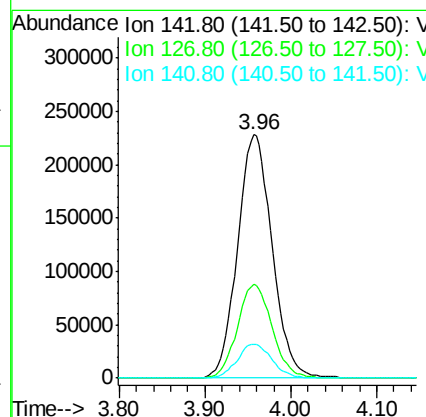
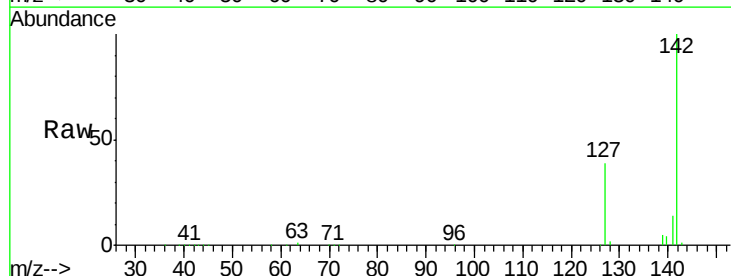
Manual Integrations
 APPROVED

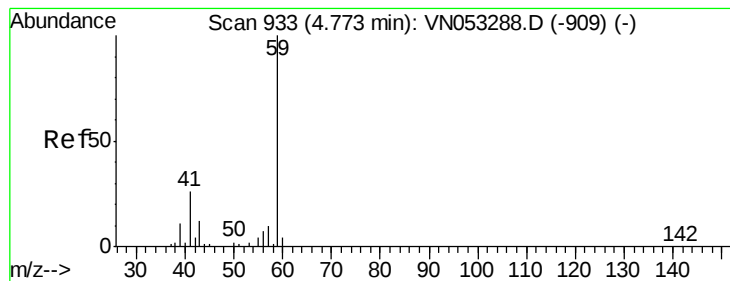
MMDadoda
 1/8/2019 10:24:10 AM



#10
 Methyl Iodide
 Concen: 50.270 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	637403		
127	38.6	30.9	46.3	
141	14.0	11.2	16.8	





#11

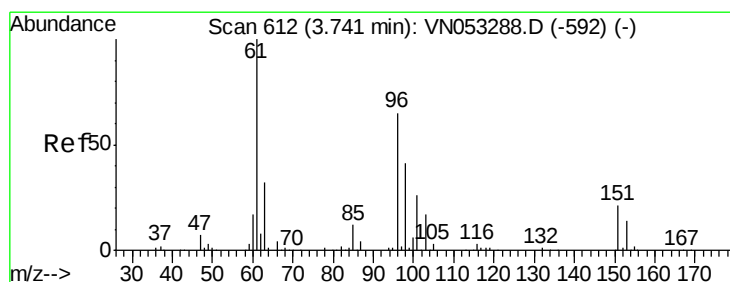
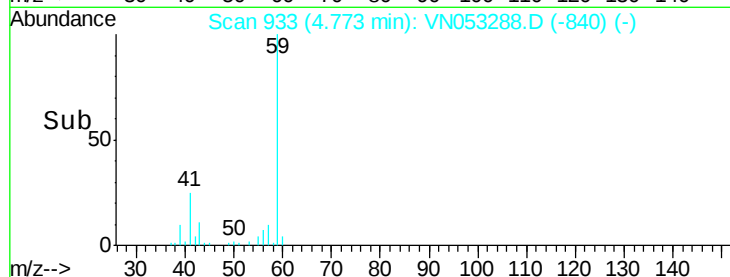
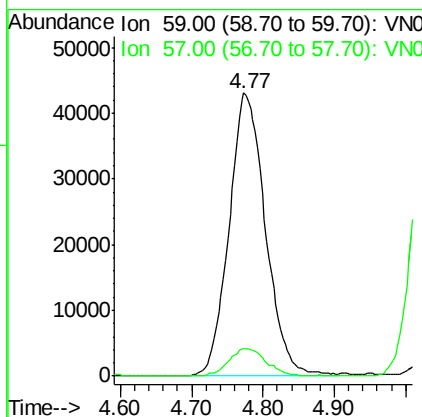
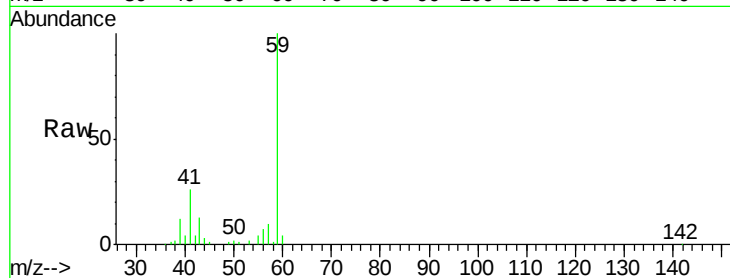
Tert butyl alcohol
 Concen: 265.372 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	59	Resp	153193
Ion Ratio	100	Lower	Upper
57	10.0	8.0	12.0

Manual Integrations
 APPROVED

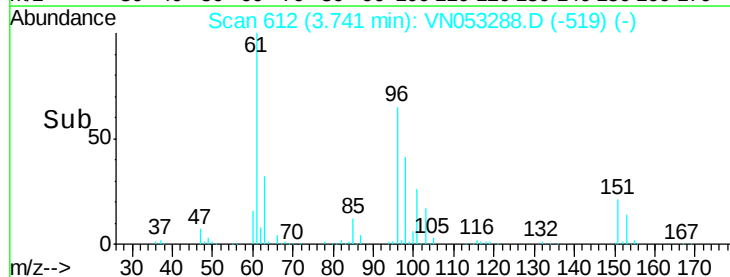
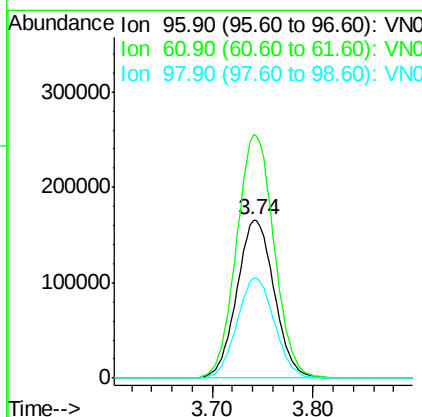
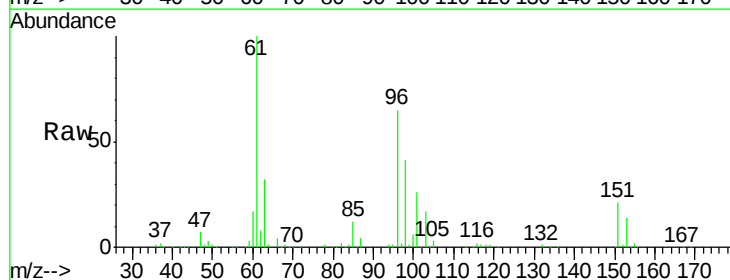
MMDadoda
 1/8/2019 10:24:10 AM

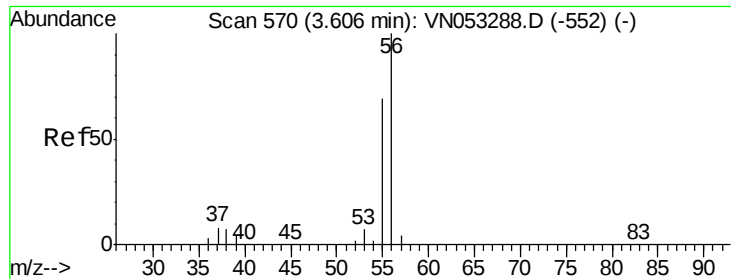


#12

1,1-Dichloroethene
 Concen: 48.590 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion	96	Resp	425483
Ion Ratio	100	Lower	Upper
61	154.0	123.2	184.8
98	63.1	50.5	75.7





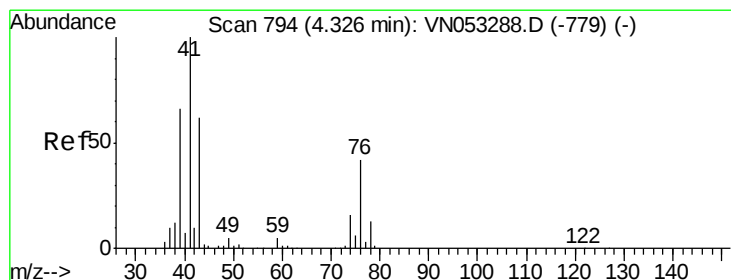
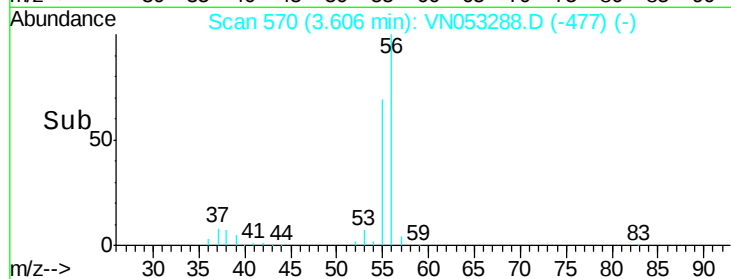
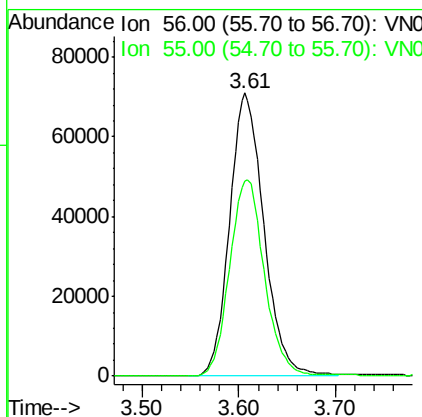
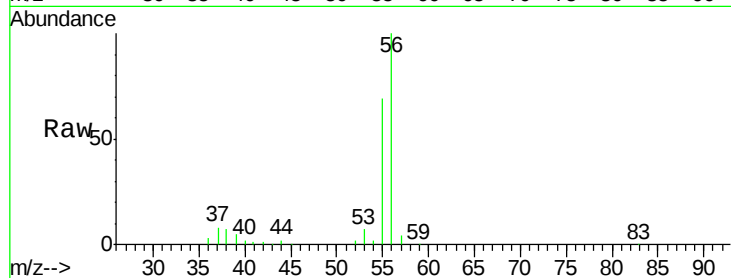
#13
Acrolein
Concen: 317.023 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	56	55	Ratio	100	Resp	174892	Lower	Upper
56	100							
55	70.4				56.3		84.5	

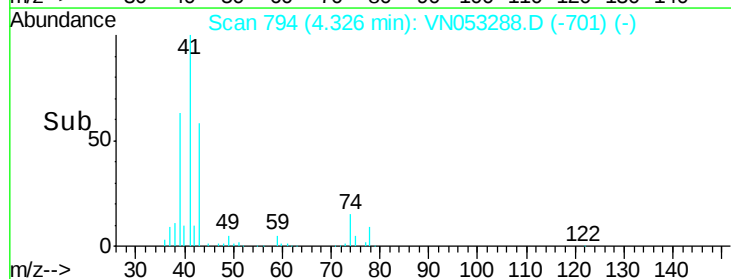
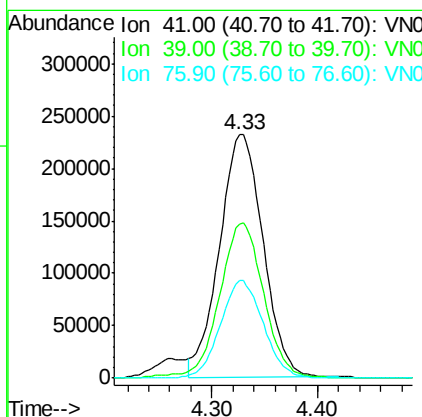
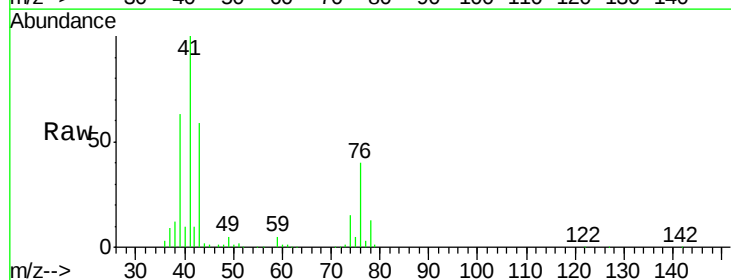
Manual Integrations
APPROVED

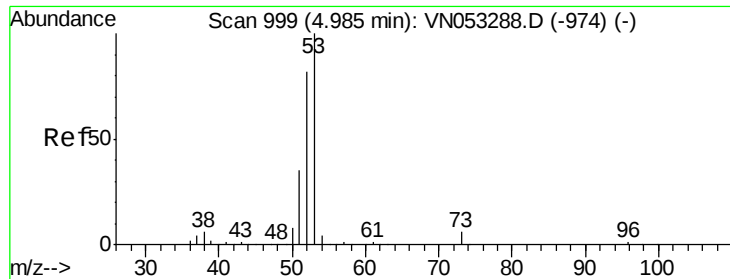
MMDadoda
1/8/2019 10:24:10 AM



#14
Allyl chloride
Concen: 49.002 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	41	39	76	Ratio	100	Resp	666039	Lower	Upper
41	100								
39	64.9					51.9		77.9	
76	39.0					31.2		46.8	





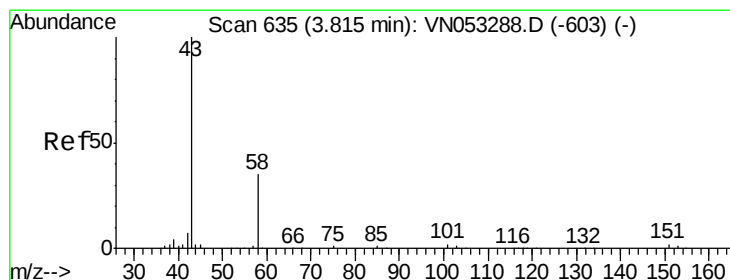
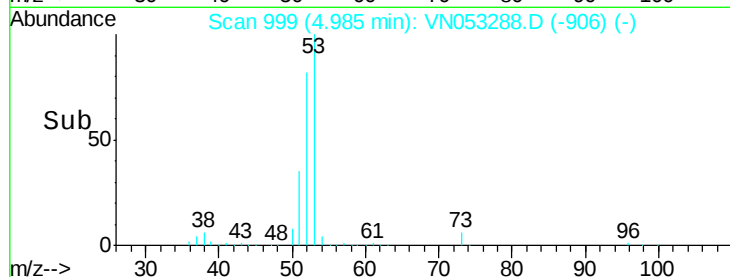
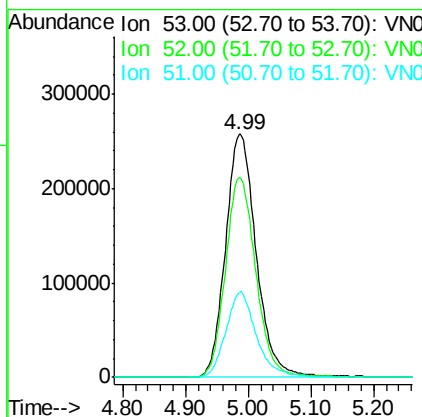
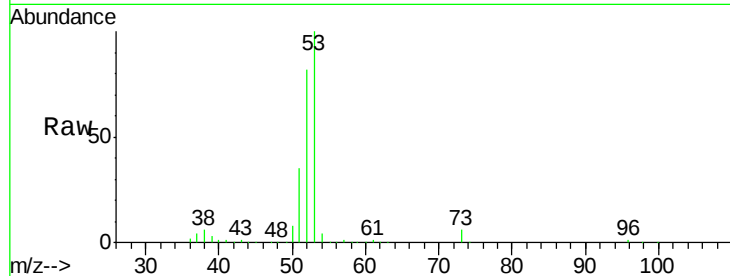
#15
 Acrylonitrile
 Concen: 270.703 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.2	97.8
51	35.0	28.0	42.0

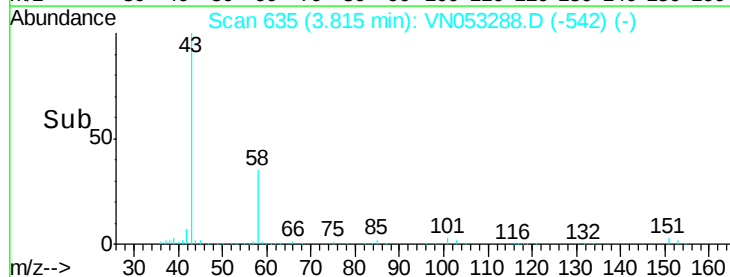
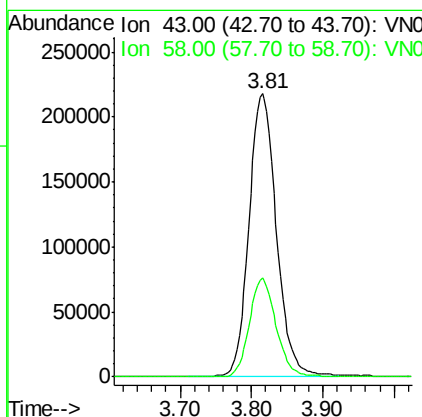
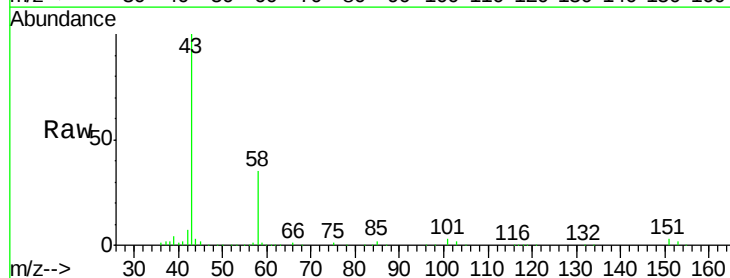
Manual Integrations
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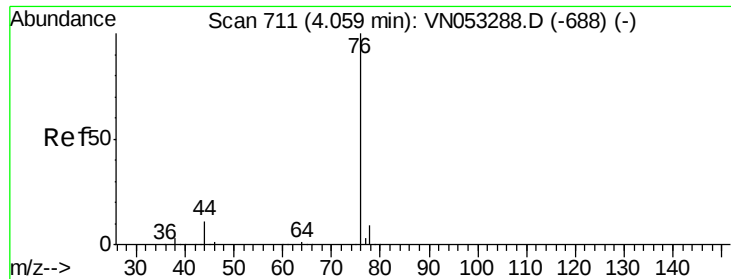
MMDadoda
 1/8/2019 10:24:10 AM



#16
 Acetone
 Concen: 302.462 ug/l
 RT: 3.81 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.8	41.6





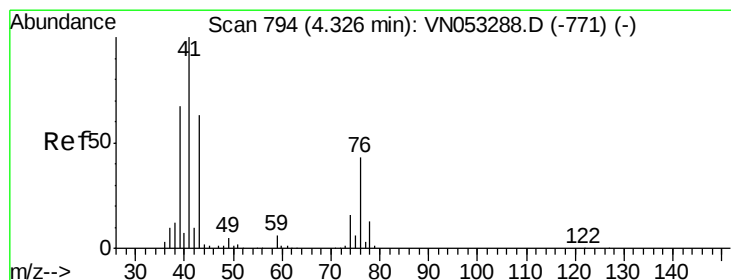
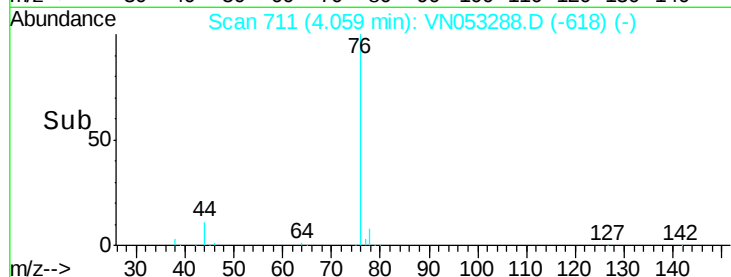
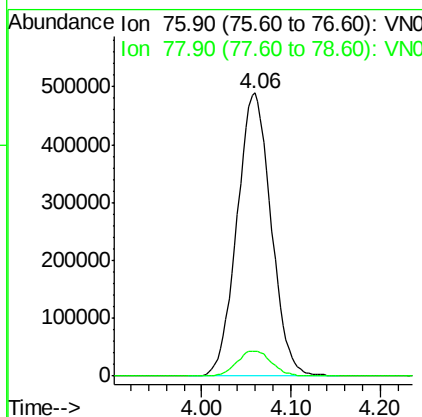
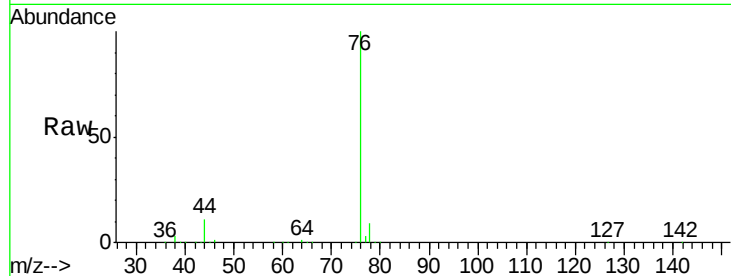
#17
Carbon Disulfide
Concen: 45.560 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 76 Resp: 1297820
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

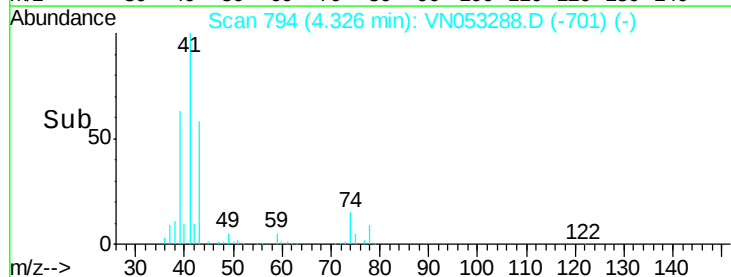
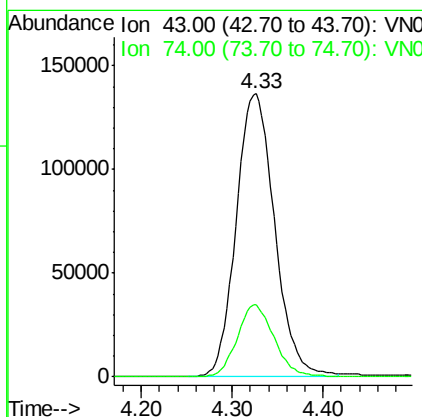
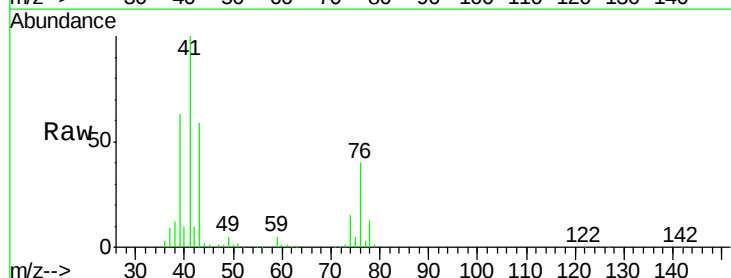
Manual Integrations
APPROVED

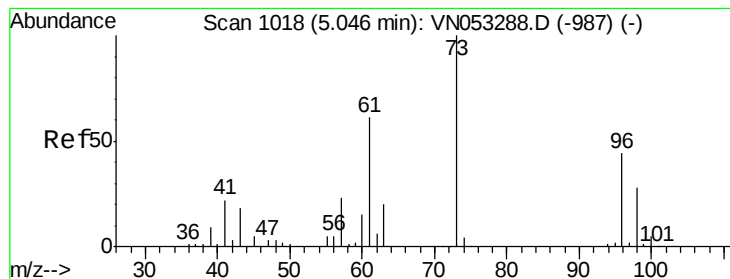
MMDadoda
1/8/2019 10:24:10 AM



#18
Methyl Acetate
Concen: 46.505 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion: 43 Resp: 399158
Ion Ratio Lower Upper
43 100
74 24.8 19.8 29.8





#19

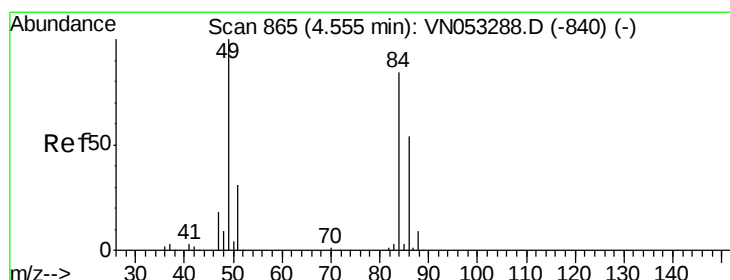
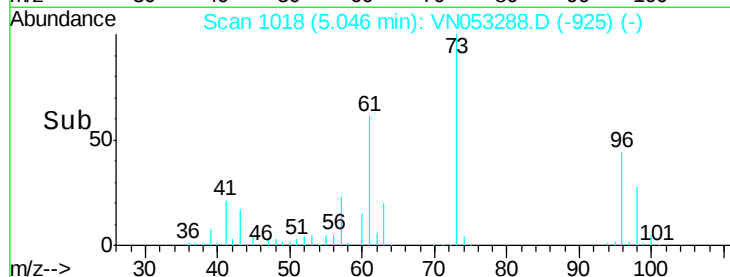
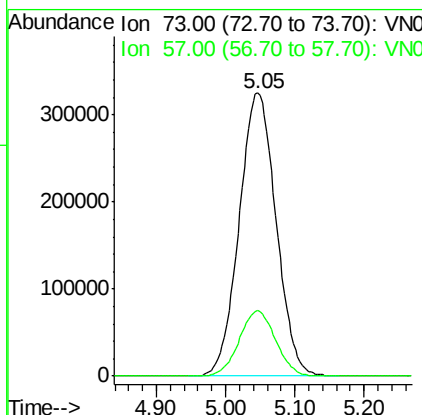
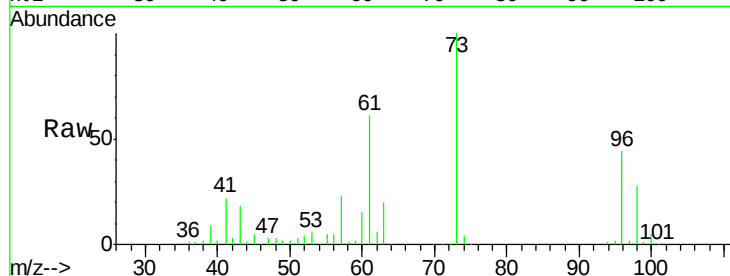
Methyl tert-butyl Ether
 Concen: 50.970 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 73 Resp: 1203151
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.5 27.7

Manual Integrations
 APPROVED

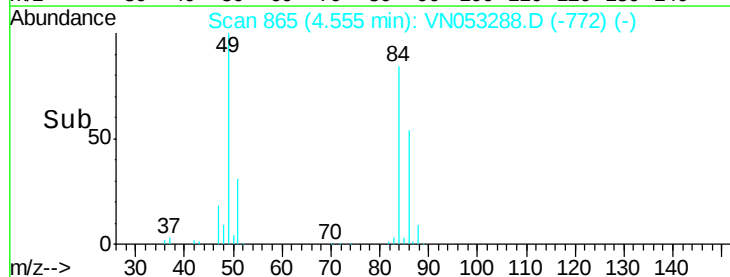
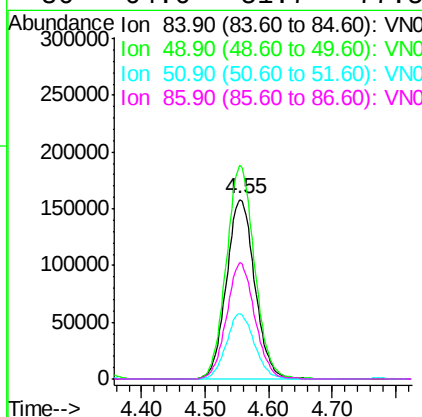
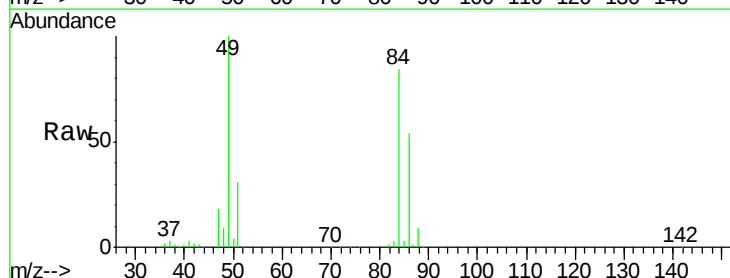
MMDadoda
 1/8/2019 10:24:10 AM

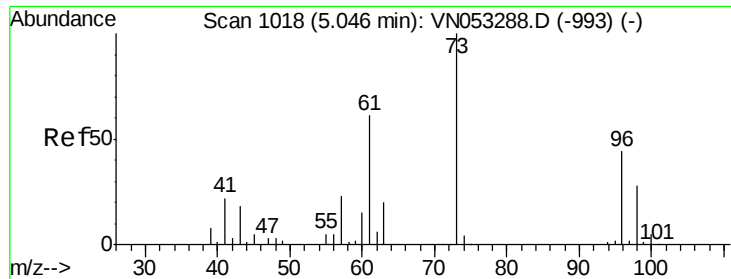


#20

Methylene Chloride
 Concen: 48.843 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion: 84 Resp: 489762
 Ion Ratio Lower Upper
 84 100
 49 119.1 95.3 142.9
 51 36.3 29.0 43.6
 86 64.6 51.7 77.5





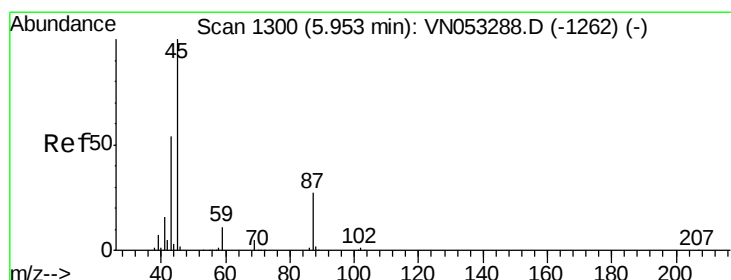
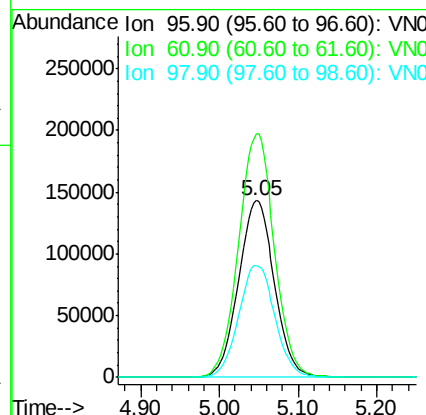
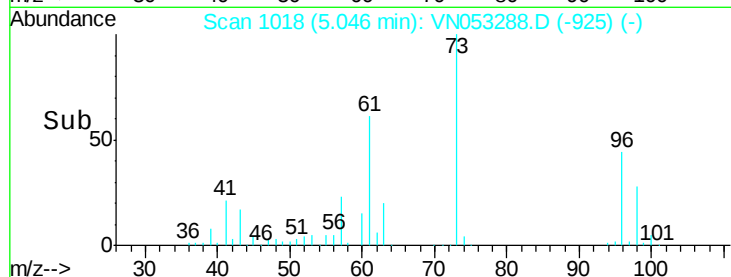
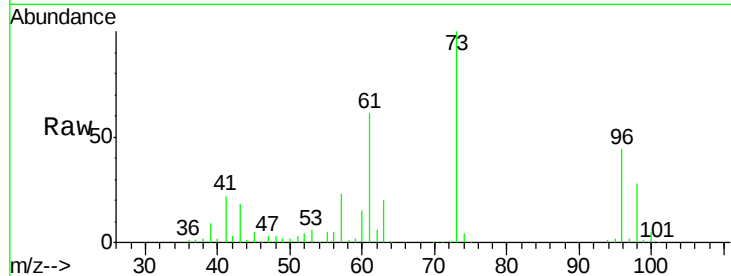
#21
trans-1,2-Dichloroethene
Concen: 48.401 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.8	110.2	165.4
98	63.4	50.7	76.1

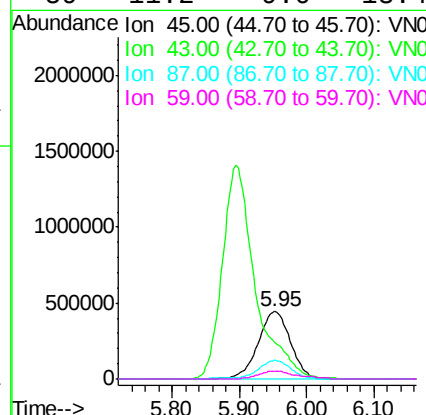
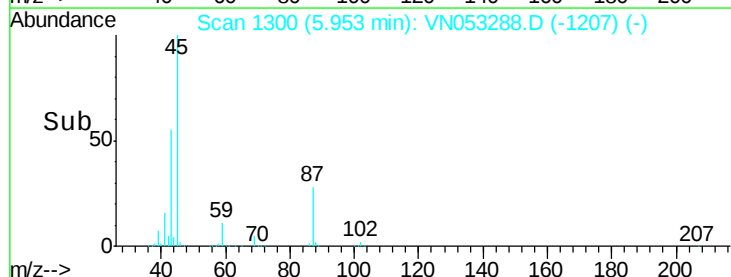
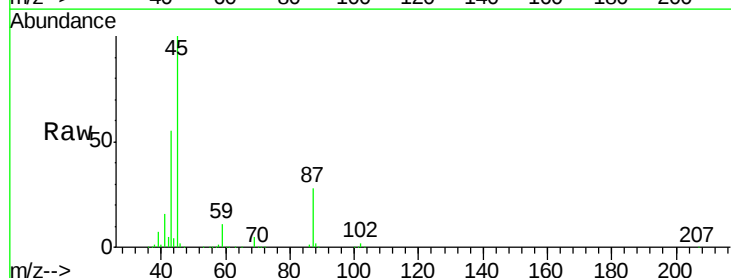
Manual Integrations
APPROVED

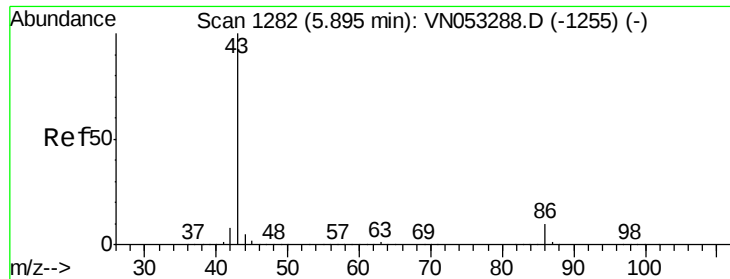
MMDadoda
1/8/2019 10:24:10 AM



#22
Diisopropyl ether
Concen: 51.169 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.0	64.6
87	27.6	22.1	33.1
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 278.747 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 4796757

Ion Ratio Lower Upper

43 100

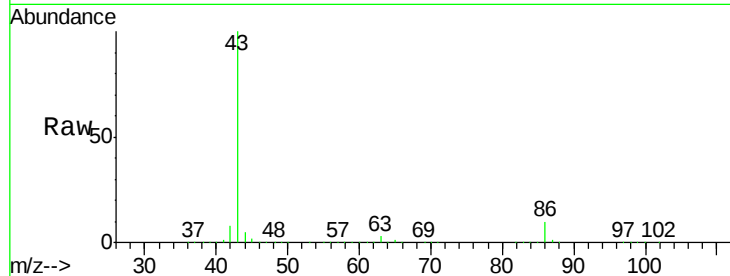
86 10.5 8.4 12.6

Manual Integrations

APPROVED

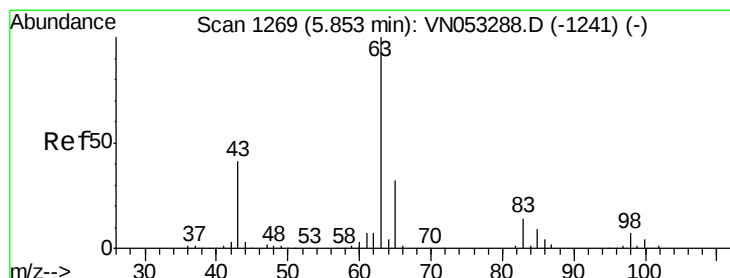
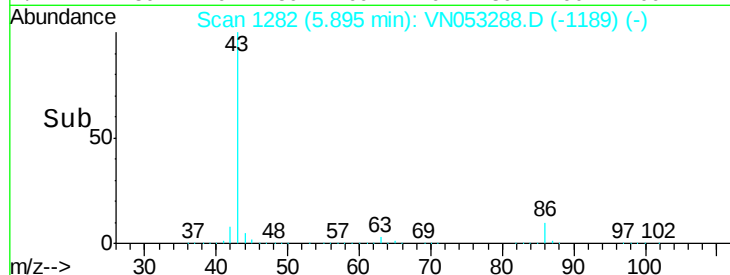
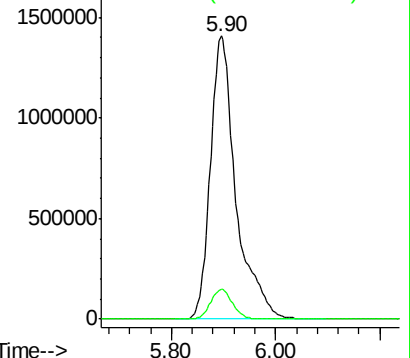
MMDadoda

1/8/2019 10:24:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.416 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

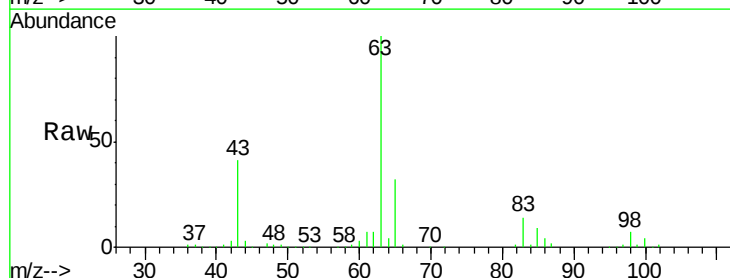
Tgt Ion: 63 Resp: 853287

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

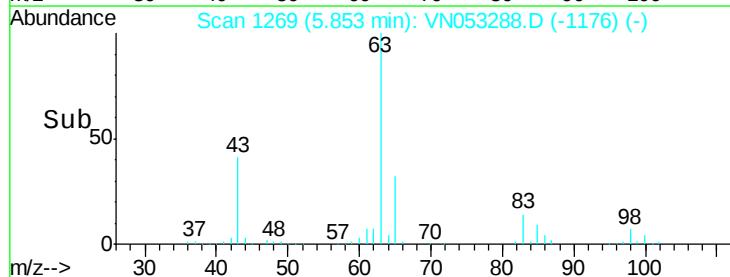
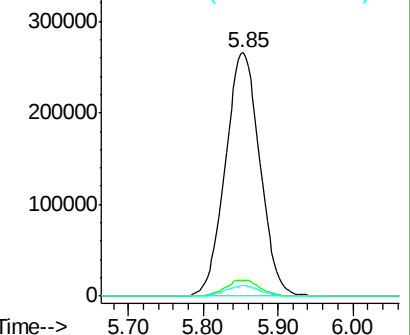
100 4.3 2.1 6.5

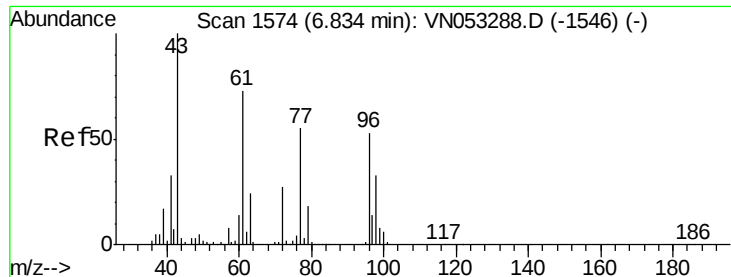


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





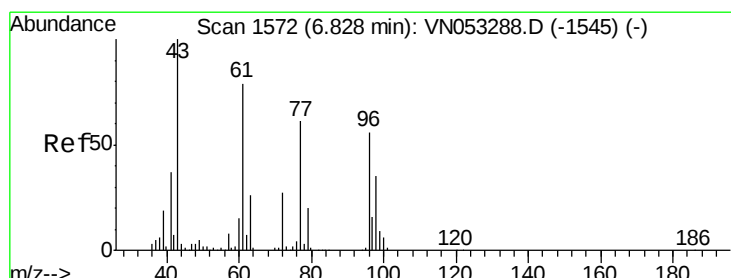
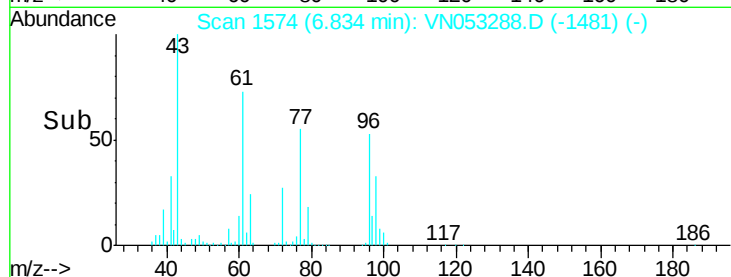
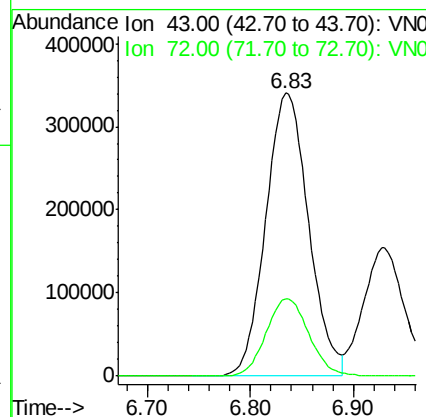
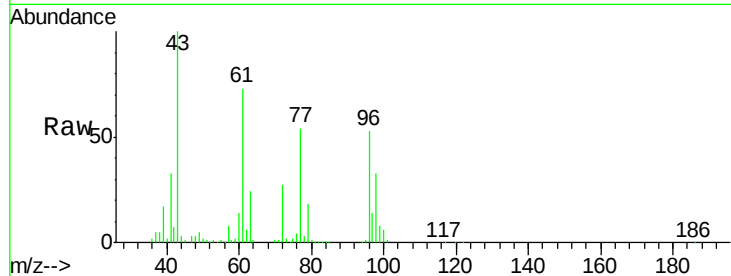
#25
2-Butanone
Concen: 305.863 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 980404
Ion Ratio Lower Upper
43 100
72 27.5 22.0 33.0

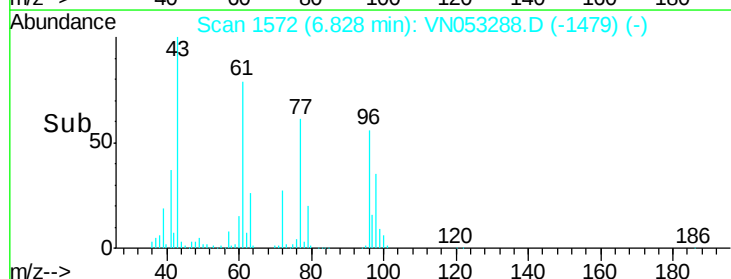
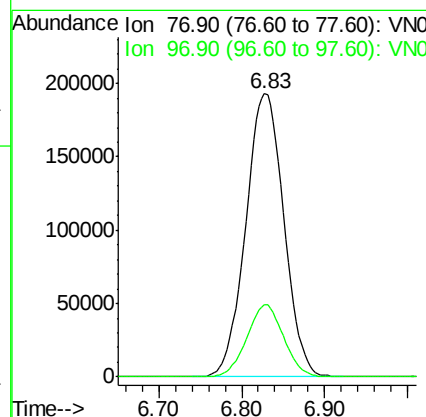
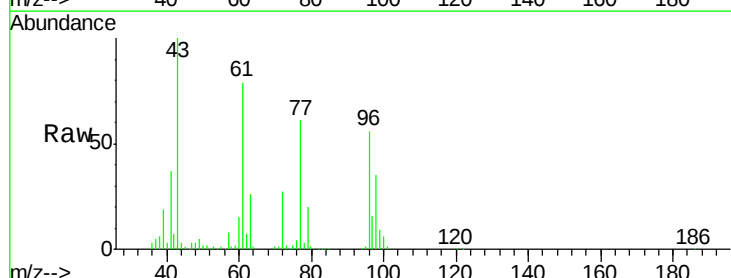
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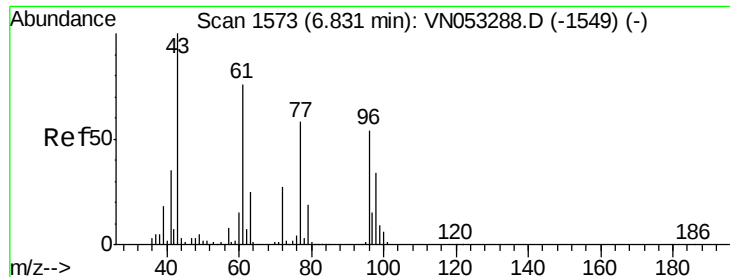
MMDadoda
1/8/2019 10:24:10 AM



#26
2,2-Dichloropropane
Concen: 47.092 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion: 77 Resp: 616414
Ion Ratio Lower Upper
77 100
97 24.6 12.3 36.9





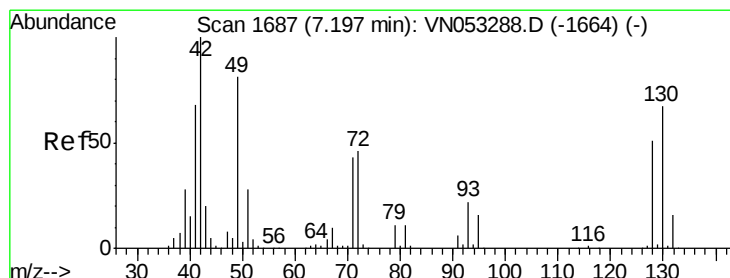
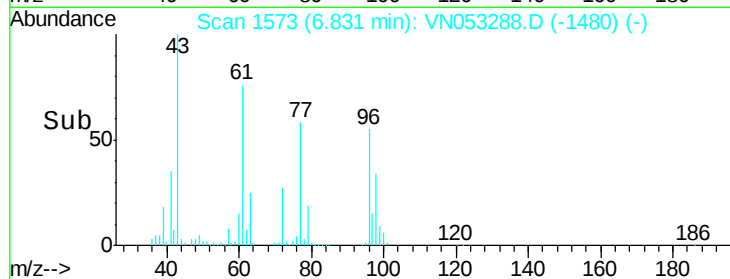
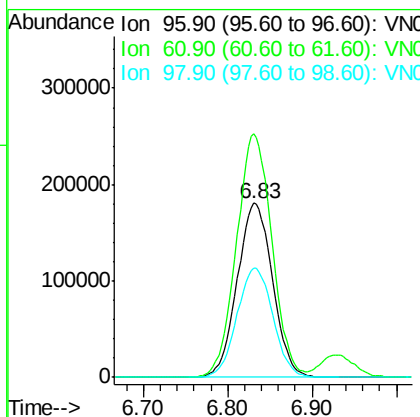
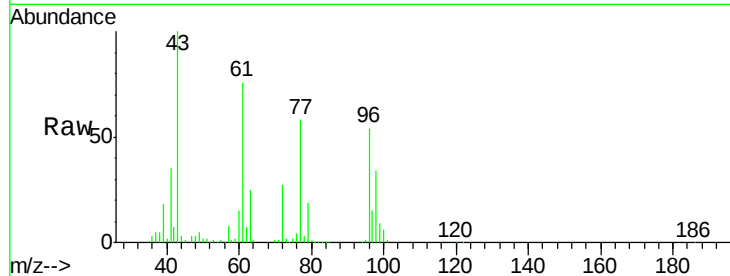
#27
 cis-1,2-Dichloroethene
 Concen: 49.326 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	527123		
61	140.3	0.0	280.6	
98	63.8	0.0	127.6	

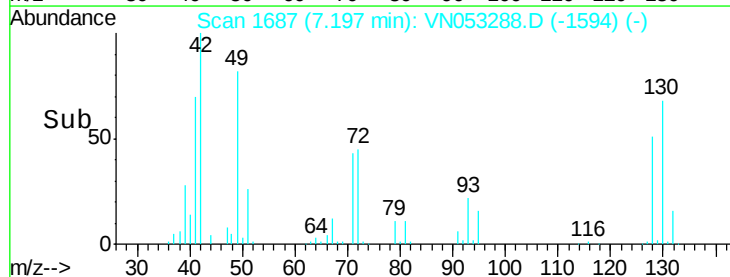
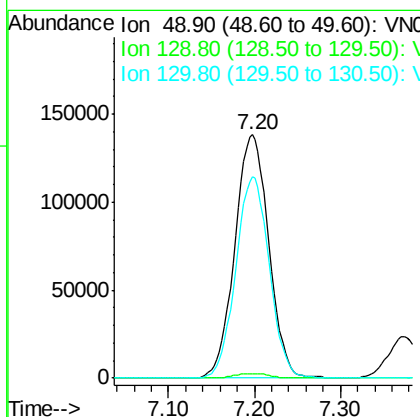
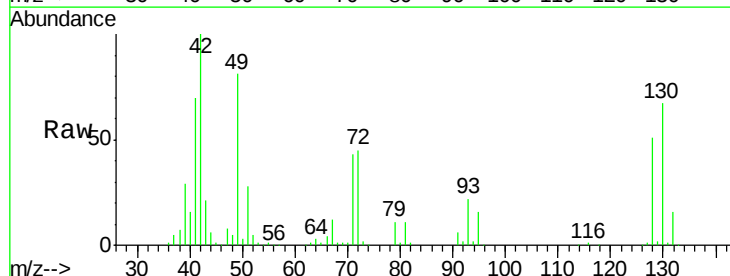
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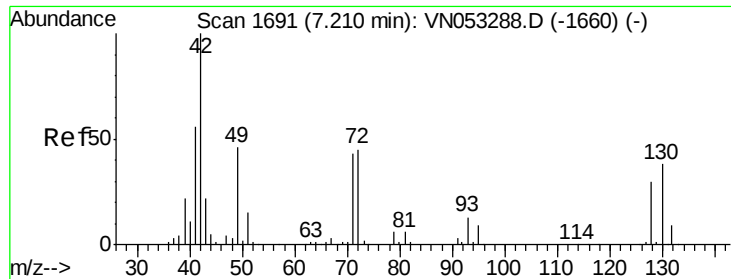
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#28
 Bromochloromethane
 Concen: 50.633 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	379254		
129	1.9	0.0	3.8	
130	81.7	65.4	98.0	





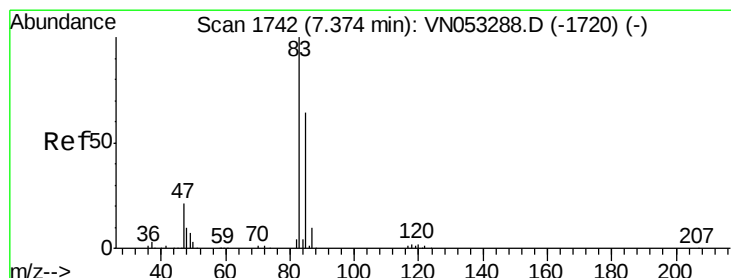
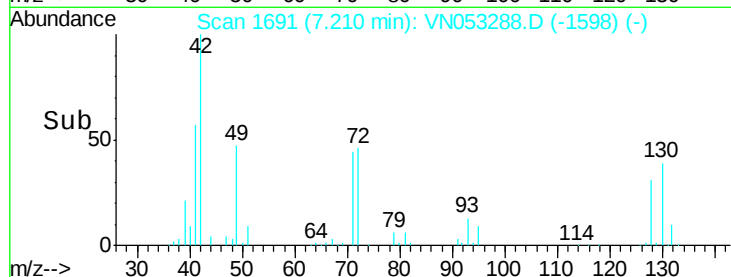
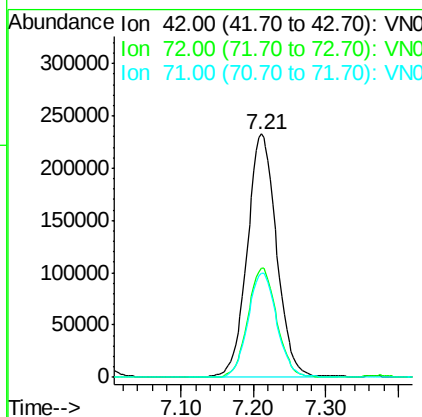
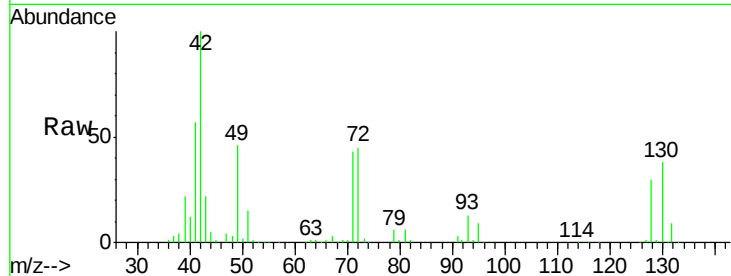
#29
Tetrahydrofuran
Concen: 278.562 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.6	53.4
71	42.3	33.8	50.8

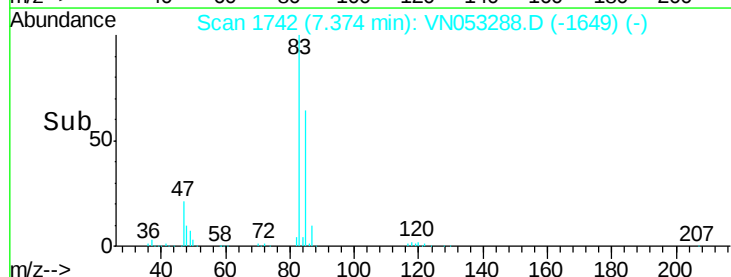
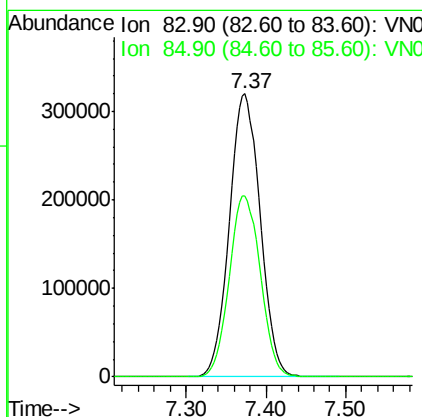
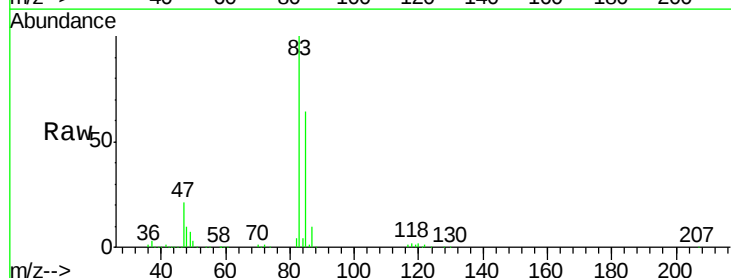
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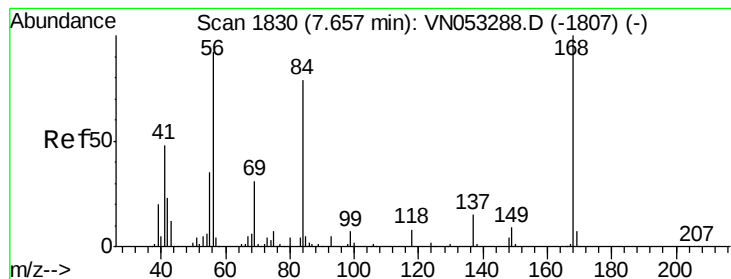
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#30
Chloroform
Concen: 49.335 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9





#31

Cyclohexane

Concen: 42.079 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 804705

Ion Ratio Lower Upper

56 100

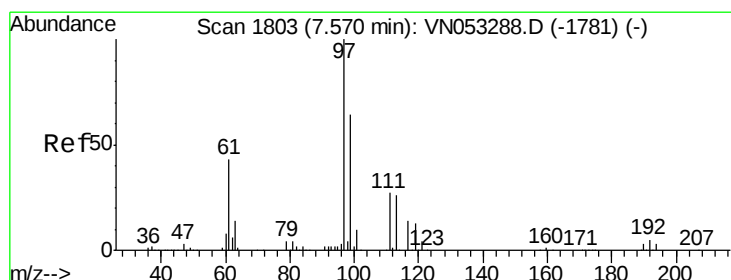
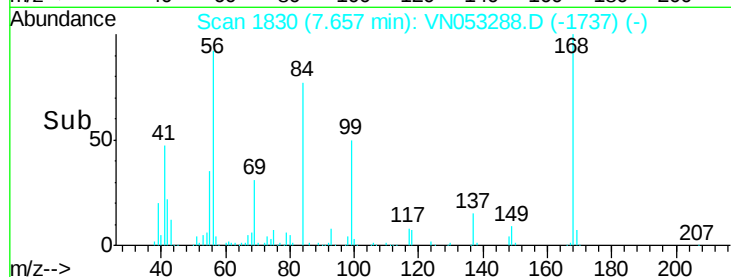
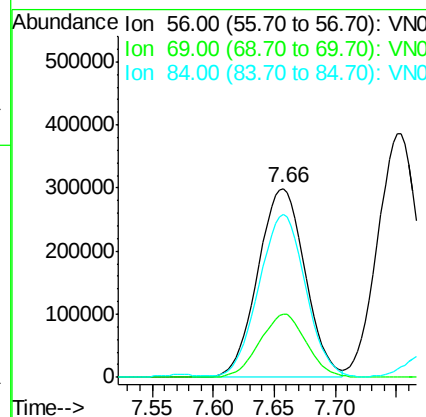
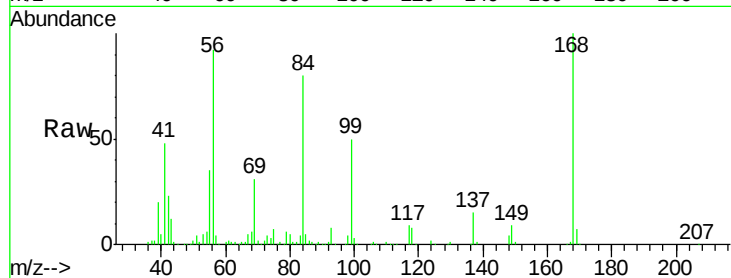
69 33.4 26.7 40.1

84 85.3 68.2 102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.511 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

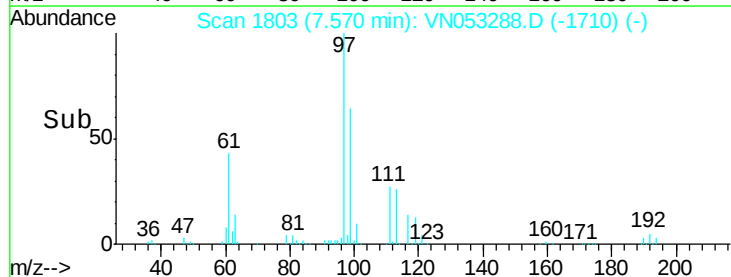
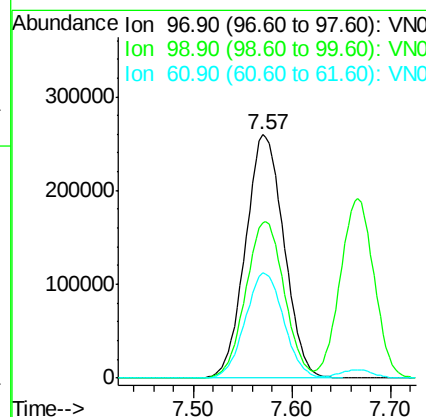
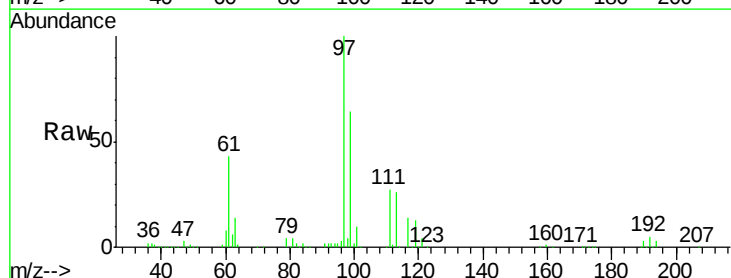
Tgt Ion: 97 Resp: 698732

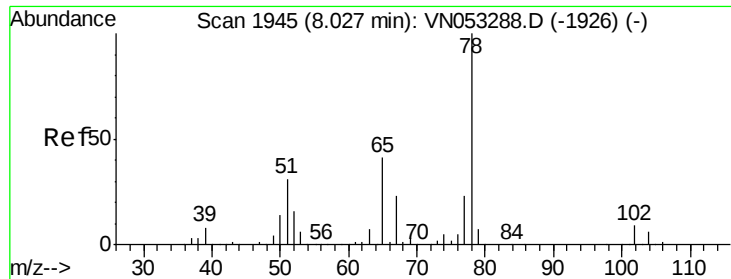
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 43.3 34.6 52.0





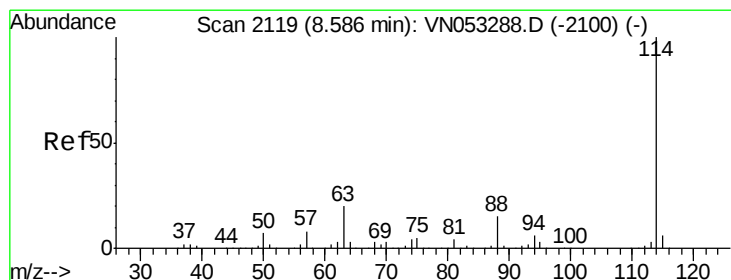
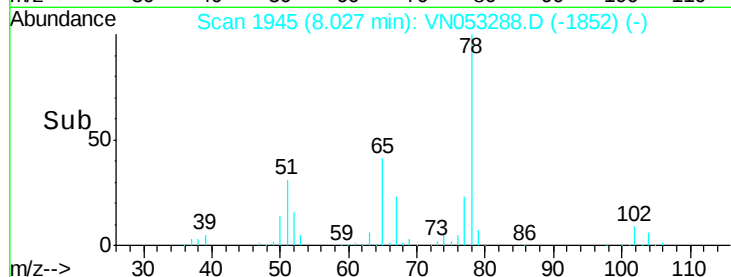
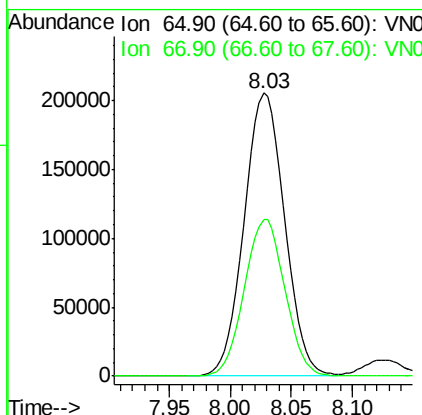
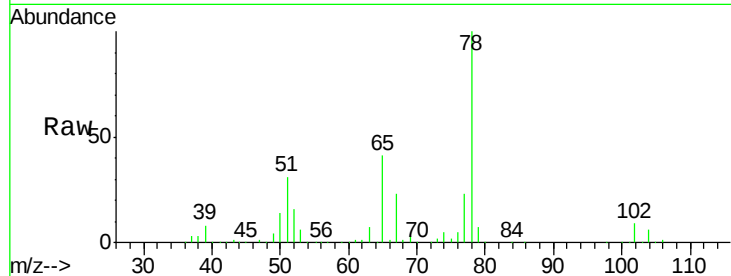
#33
 1,2-Dichloroethane-d4
 Concen: 48.511 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 472207
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0

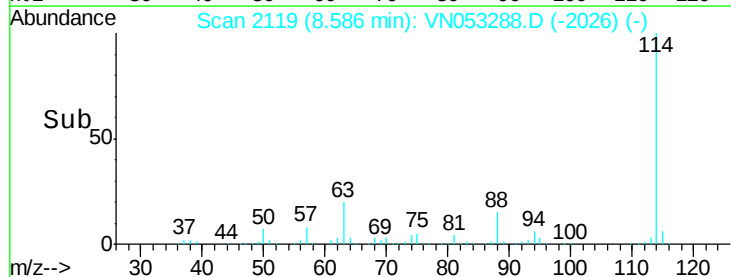
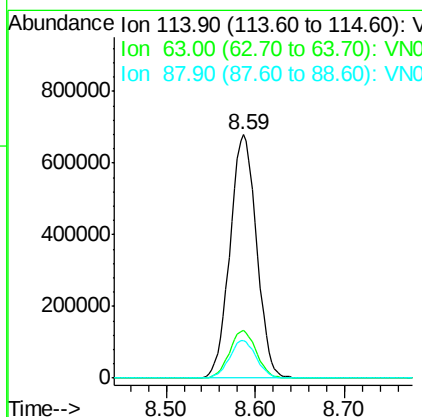
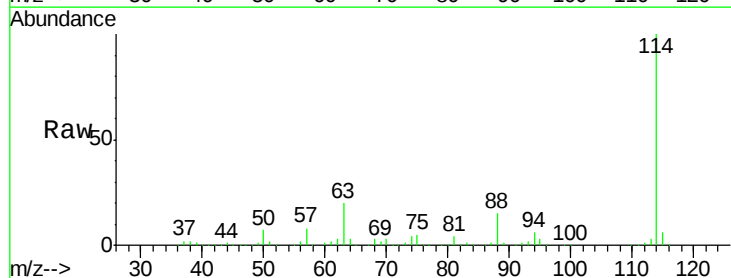
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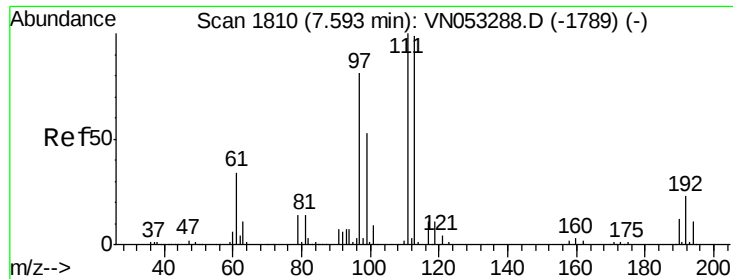
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion: 114 Resp: 1401790
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

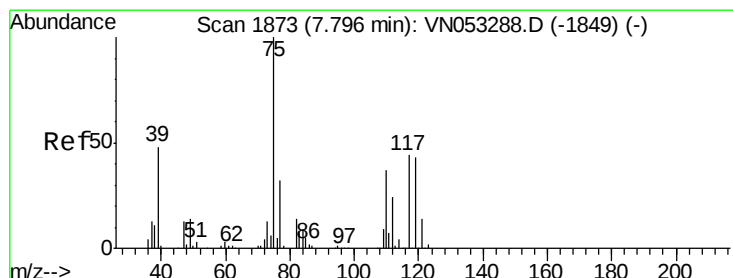
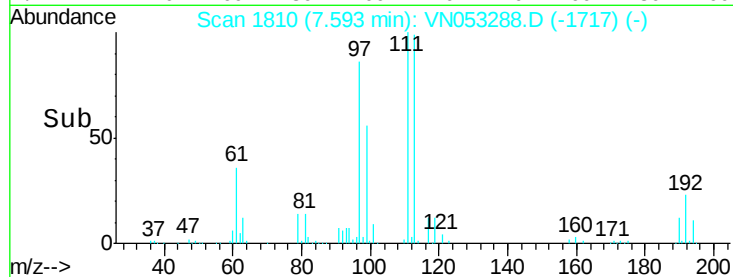
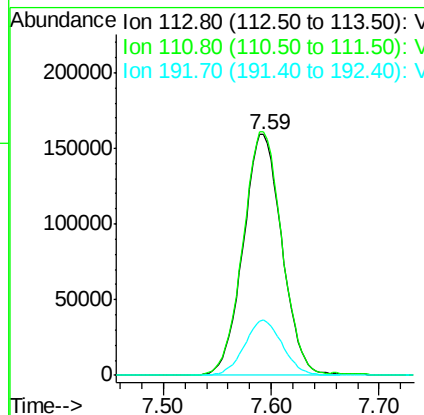
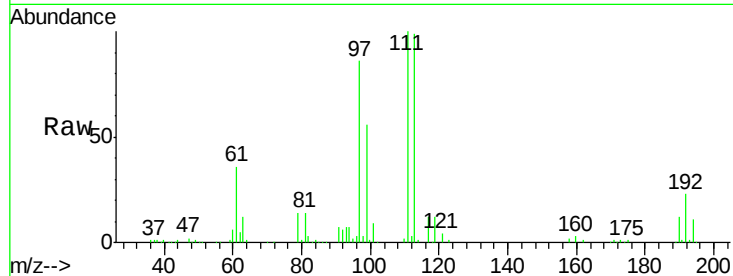
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	396513
Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.2
192	22.4	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 48.265 ug/l

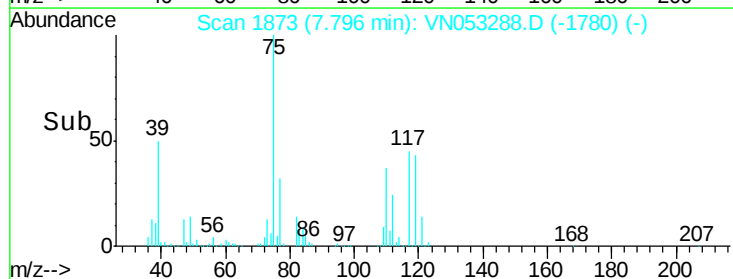
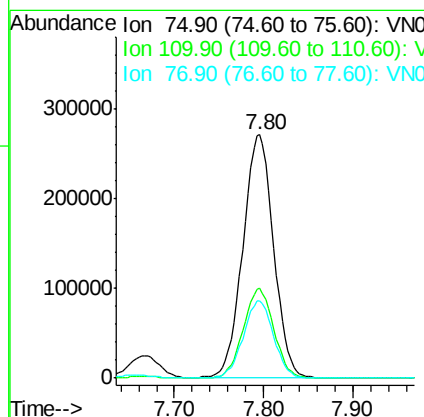
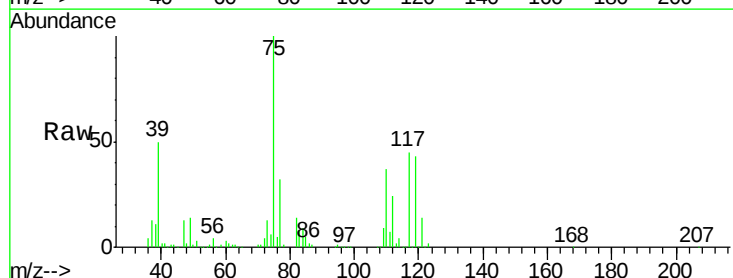
RT: 7.80 min Scan# 1873

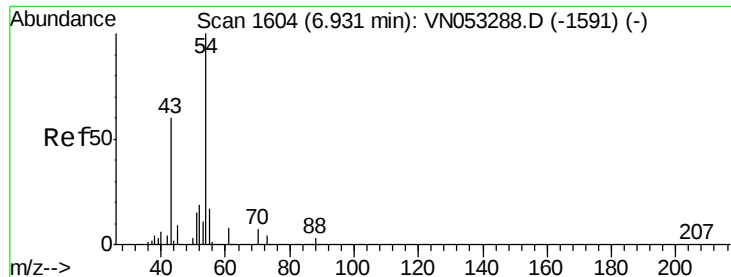
Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Tgt Ion:	75	Resp:	648567
Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.4	55.0
77	31.6	25.3	37.9





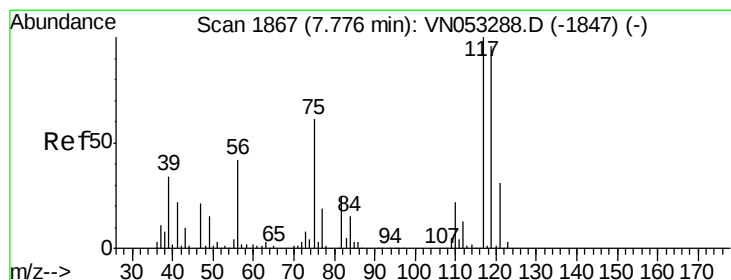
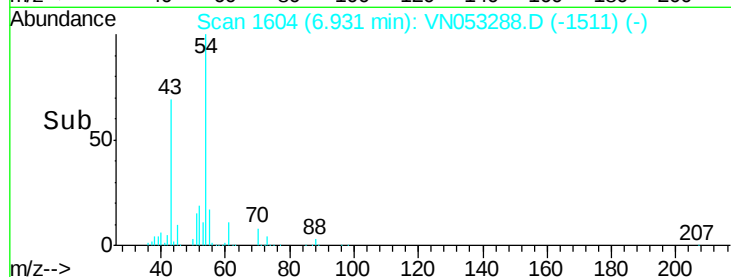
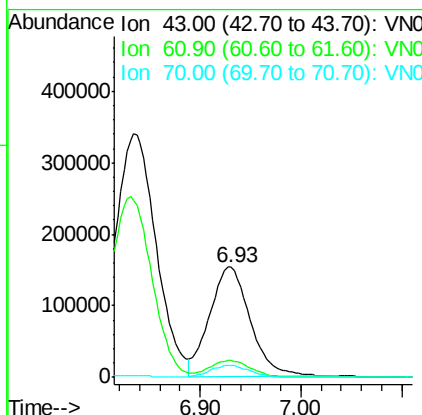
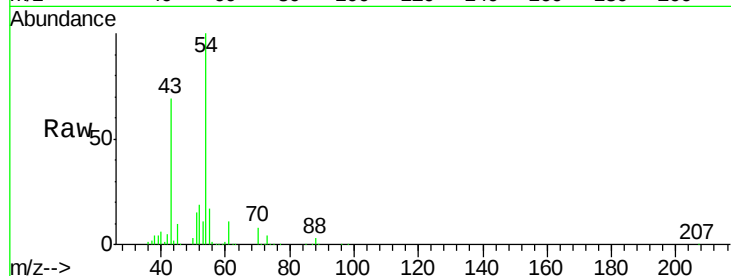
#37
Ethyl Acetate
Concen: 56.284 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	10.8	8.6	13.0

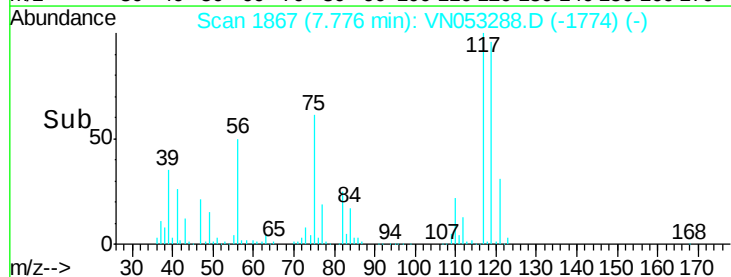
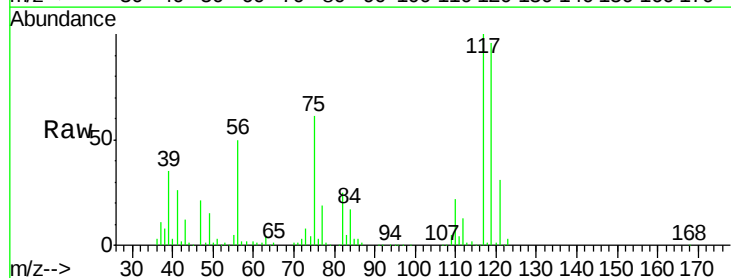
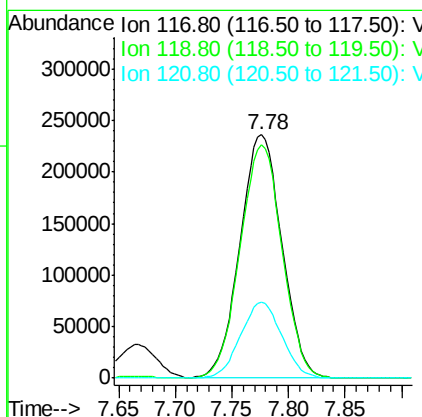
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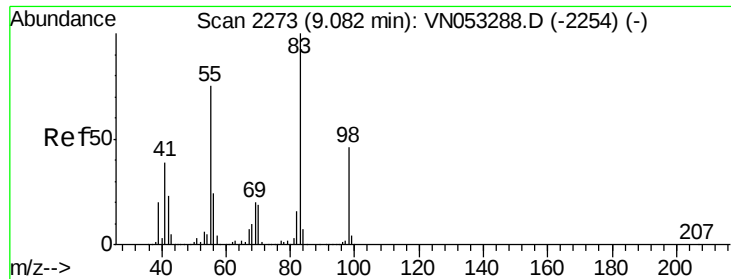
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#38
Carbon Tetrachloride
Concen: 49.262 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	31.2	25.0	37.4





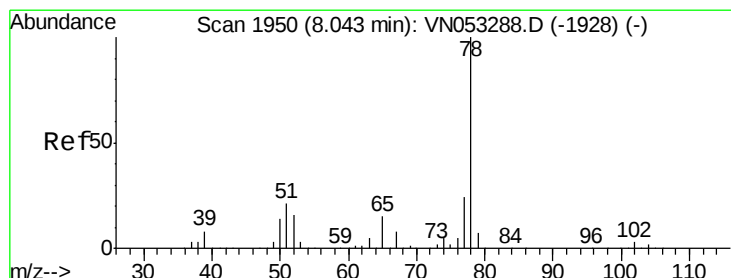
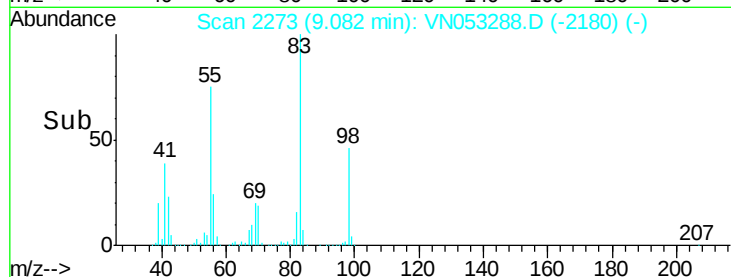
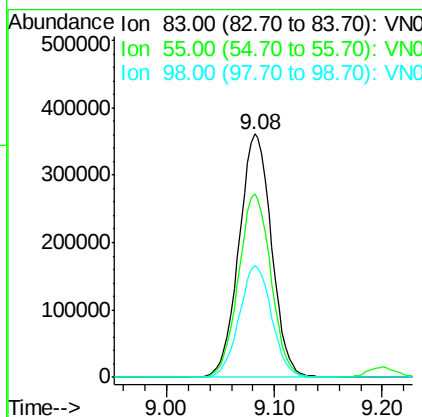
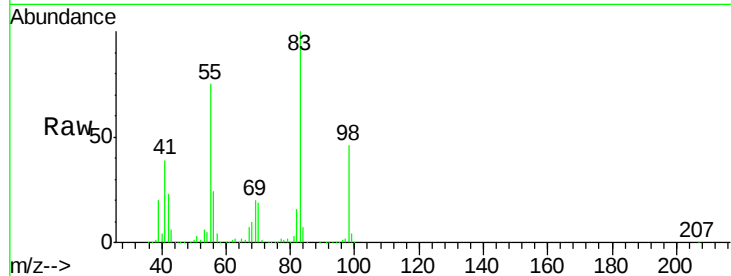
#39
Methvlcvclohexane
Concen: 46.656 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.1	90.1
98	45.9	36.7	55.1

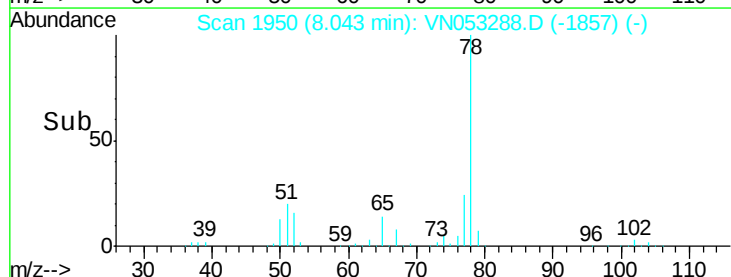
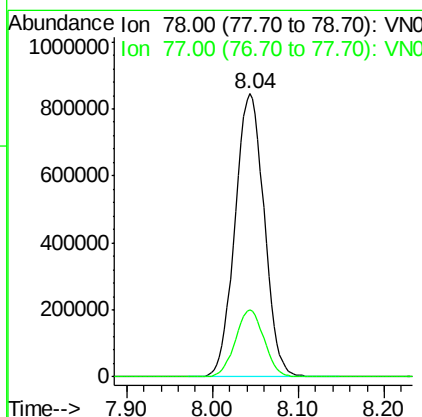
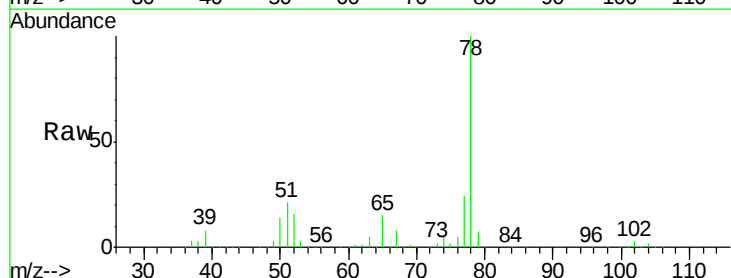
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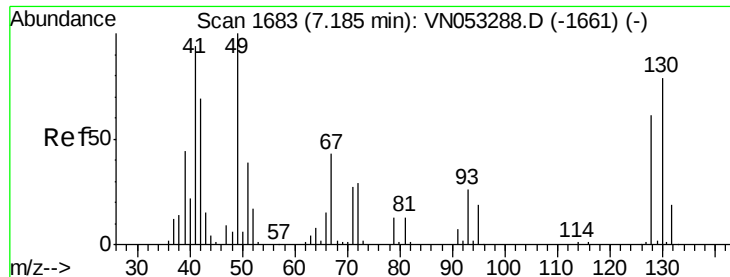
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#40
Benzene
Concen: 49.711 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





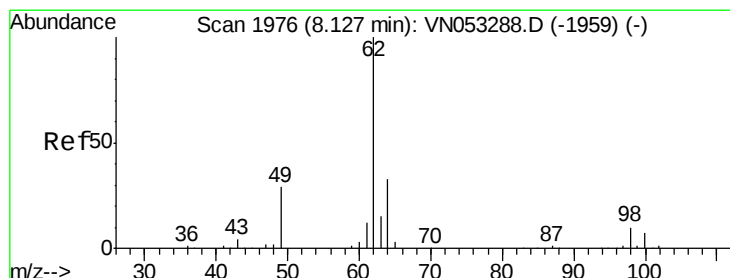
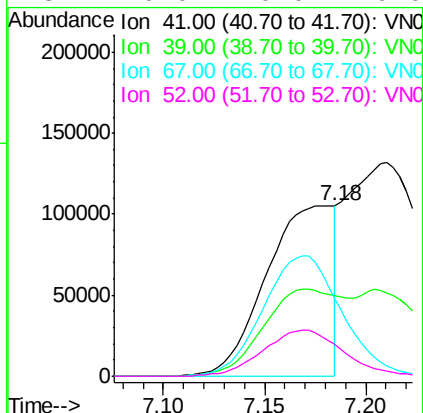
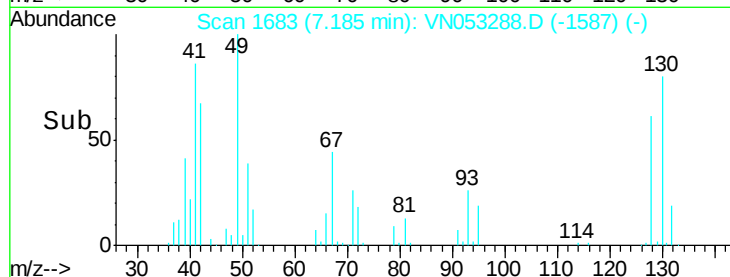
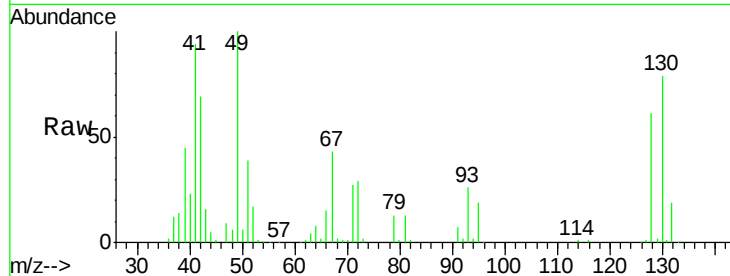
#41
Methacrylonitrile
Concen: 56.387 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

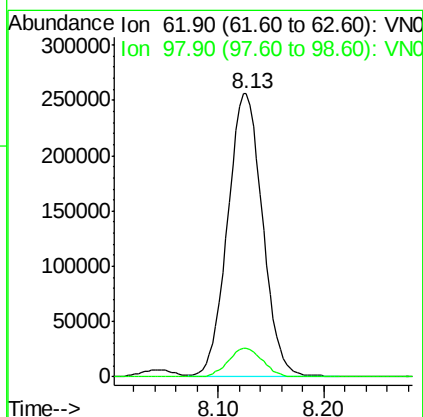
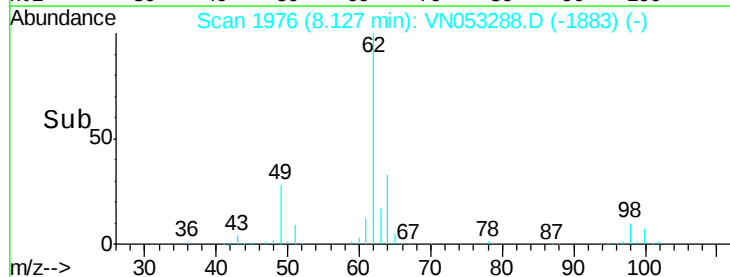
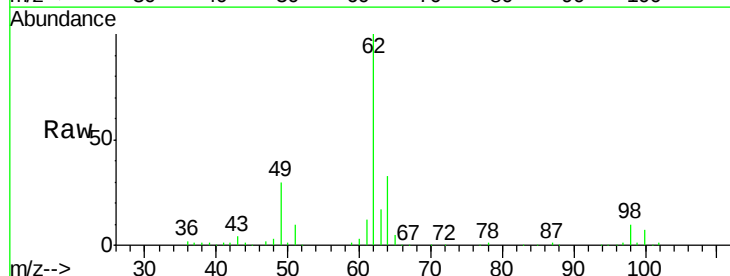
Manual Integrations
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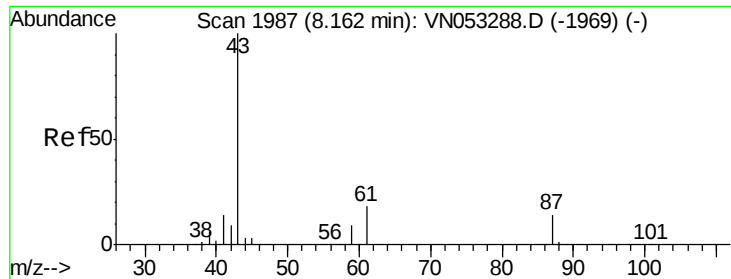
MMDadoda
1/8/2019 10:24:10 AM



#42
1,2-Dichloroethane
Concen: 49.533 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.1	0.0	20.2		





#43

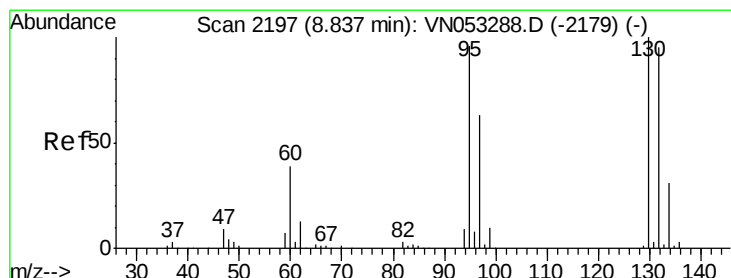
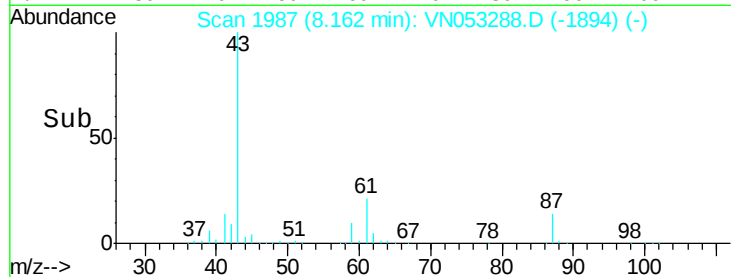
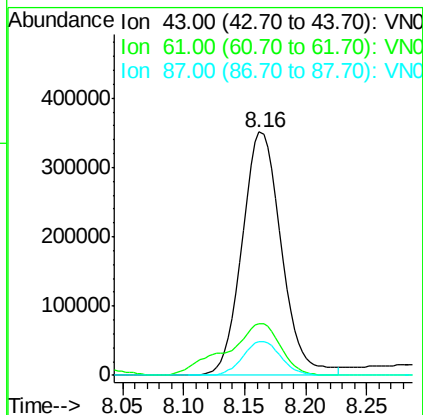
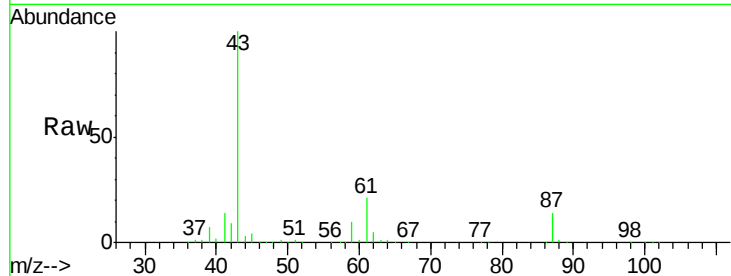
Isopropyl Acetate
 Concen: 46.243 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	23.3	34.9
87	13.5	10.8	16.2

Manual Integrations
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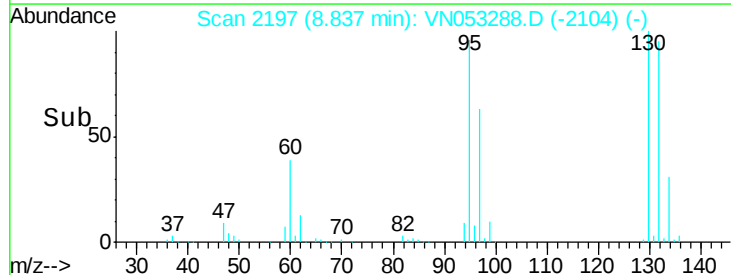
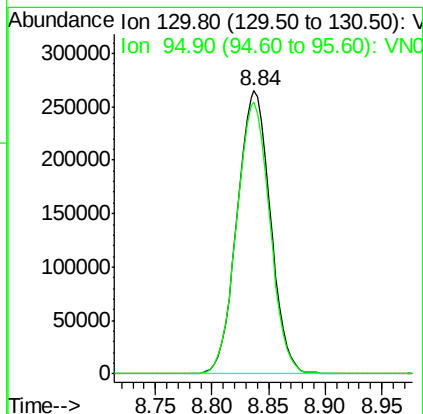
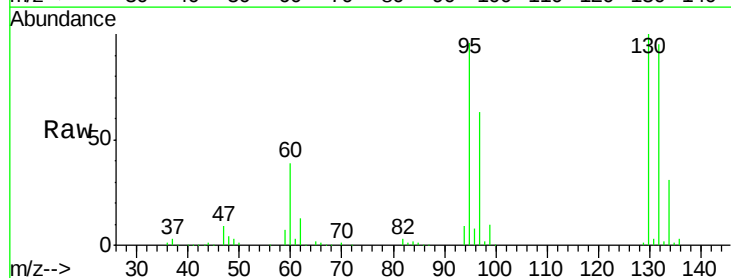
MMDadoda
 1/8/2019 10:24:10 AM

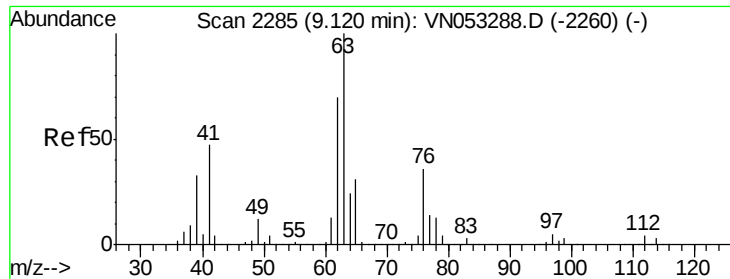


#44

Trichloroethene
 Concen: 47.335 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	191.8





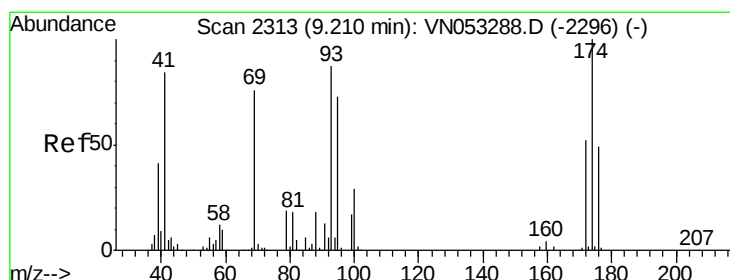
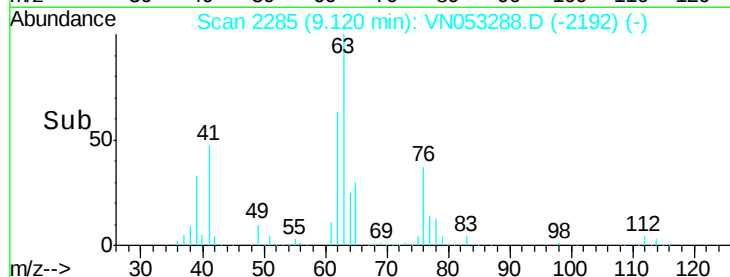
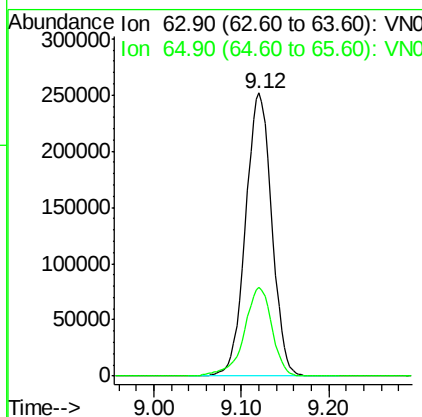
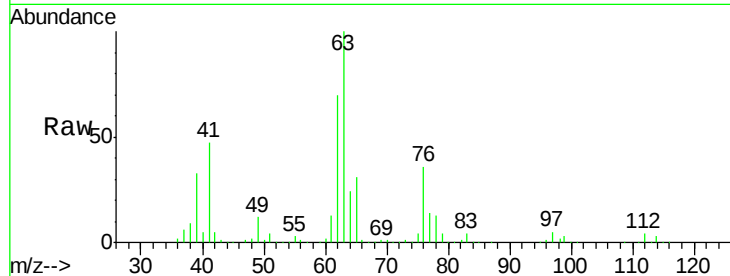
#45
 1,2-Dichloropropane
 Concen: 50.067 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 522824
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

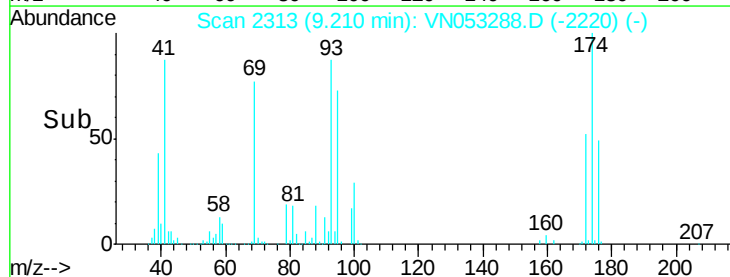
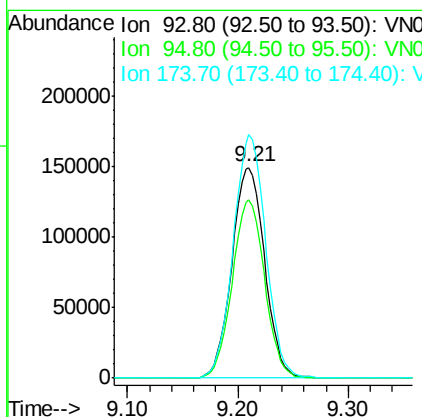
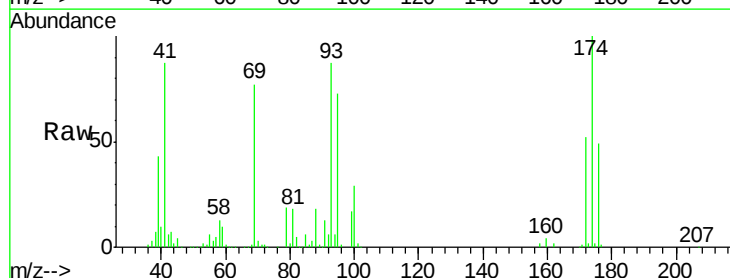
Manual Integrations
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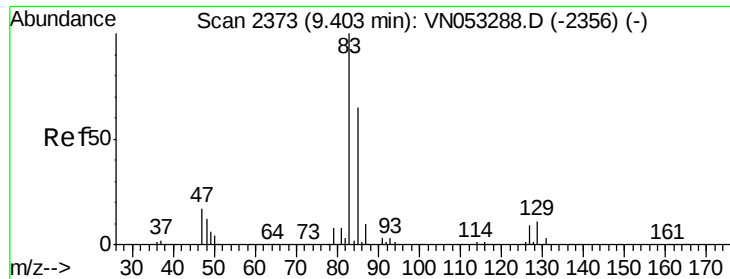
MMDadoda
 1/8/2019 10:24:10 AM



#46
 Dibromomethane
 Concen: 50.537 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion: 93 Resp: 308223
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 114.2 91.4 137.0





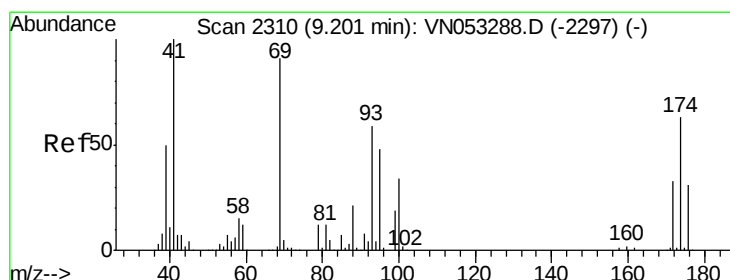
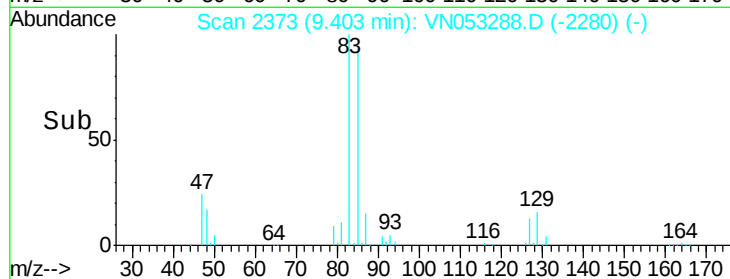
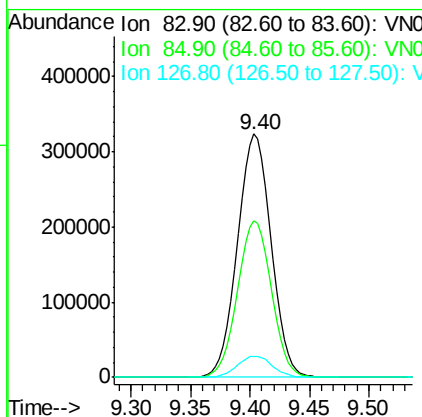
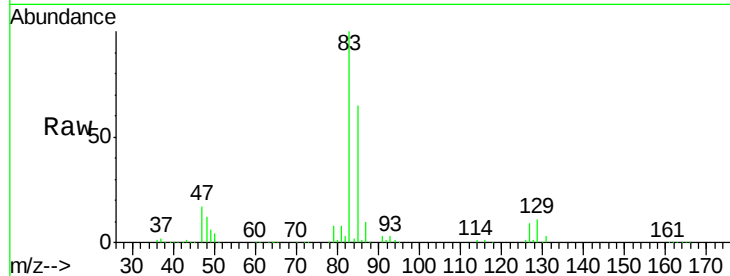
#47
Bromodichloromethane
Concen: 49.273 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	635546
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	51.7	77.5
127	8.8	7.0	10.6

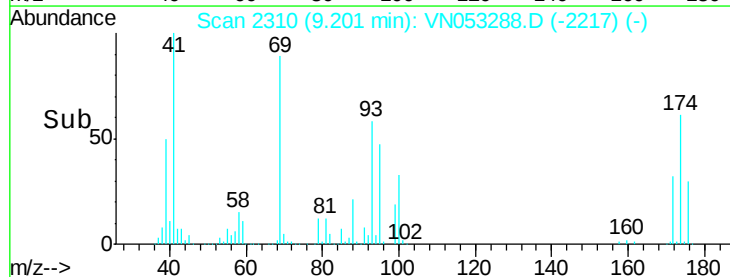
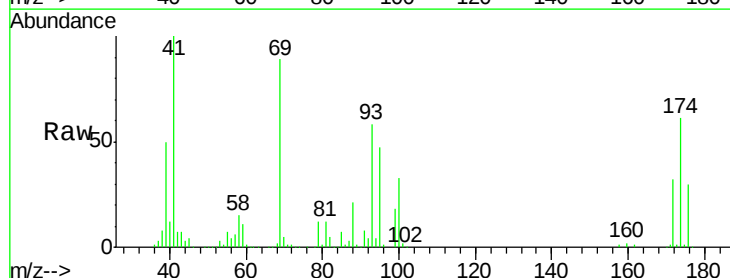
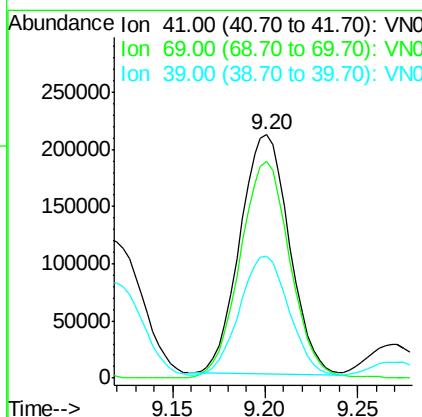
Manual Integrations
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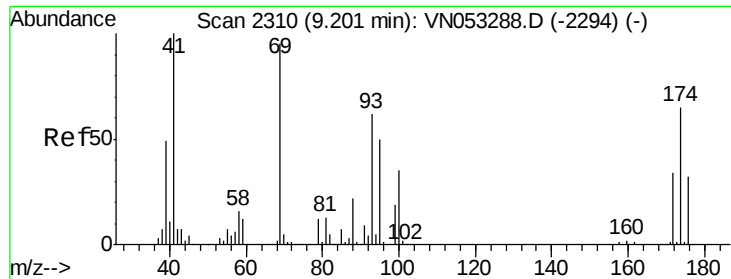
MMDadoda
1/8/2019 10:24:10 AM



#48
Methyl methacrylate
Concen: 52.922 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	41	Resp	390327
Ion Ratio	100	Lower	Upper
41	100		
69	91.9	73.5	110.3
39	52.0	41.6	62.4





#49

1,4-Dioxane

Concen: 976.818 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

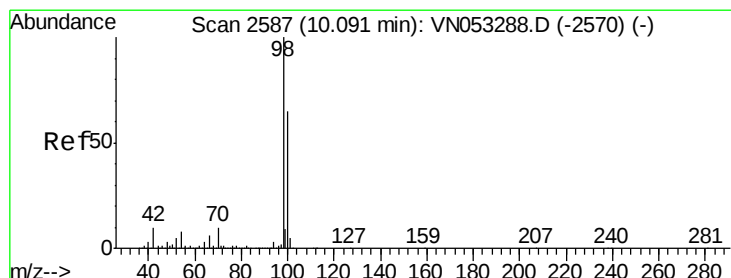
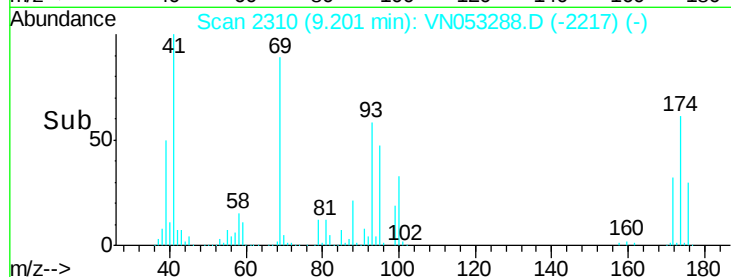
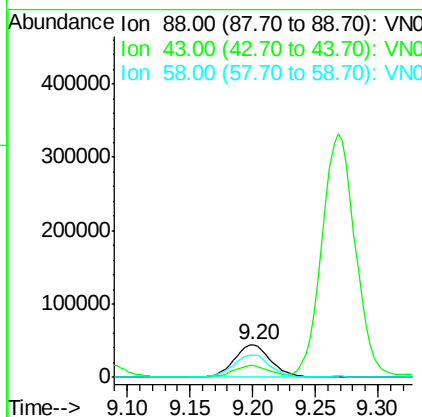
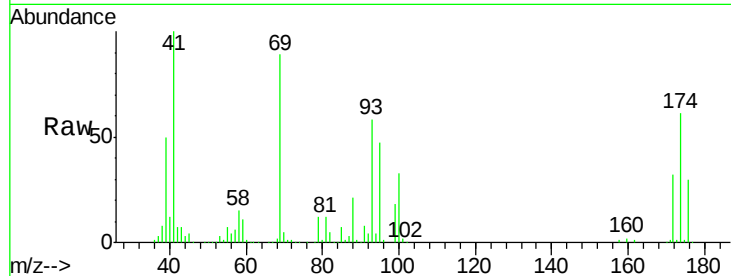
ClientSampleId :

VSTDICCC050

Tot Ion	88	Resp	90406
Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.2	39.4
58	69.4	55.5	83.3

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#50

Toluene-d8

Concen: 976.818 ug/l

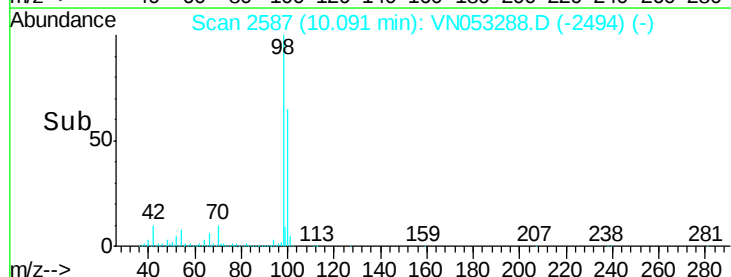
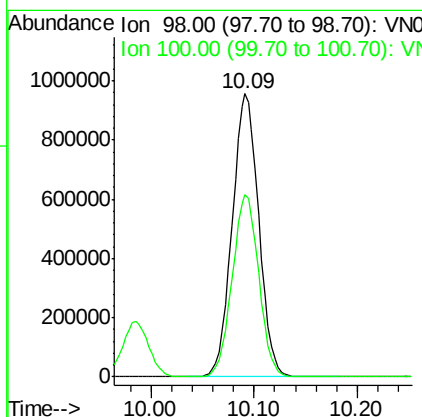
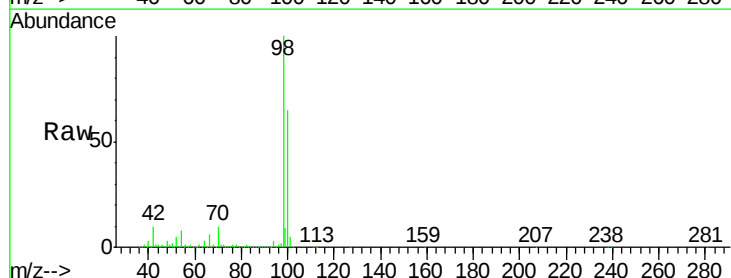
RT: 10.09 min Scan# 2587

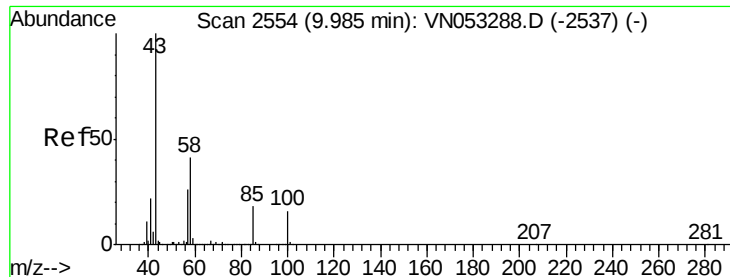
Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Tgt Ion	98	Resp	1710945
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 290.060 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2166909

Ion Ratio Lower Upper

43 100

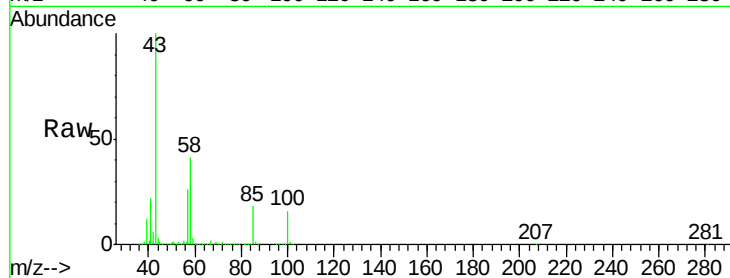
58 40.9 32.7 49.1

Manual Integrations

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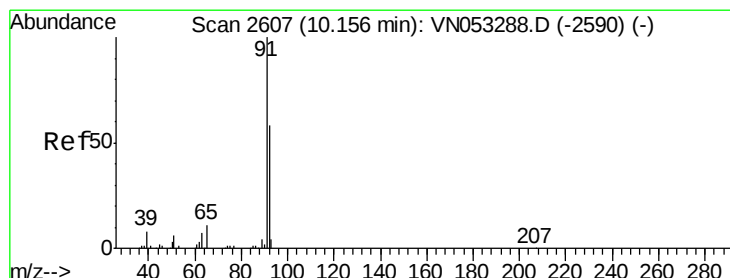
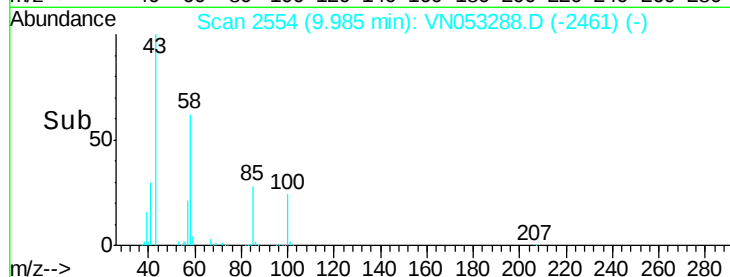
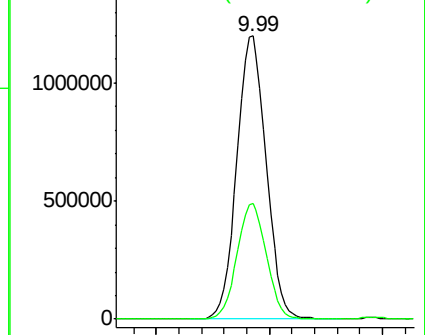
MMDadoda

1/8/2019 10:24:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.108 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053288.D

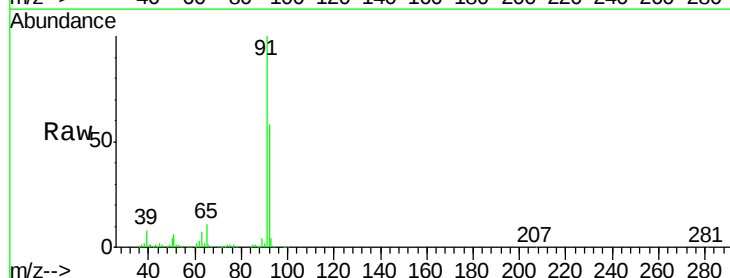
Acq: 4 Jan 2019 18:35

Tgt Ion: 92 Resp: 1245588

Ion Ratio Lower Upper

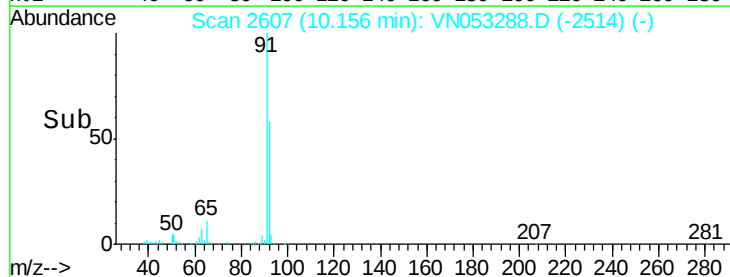
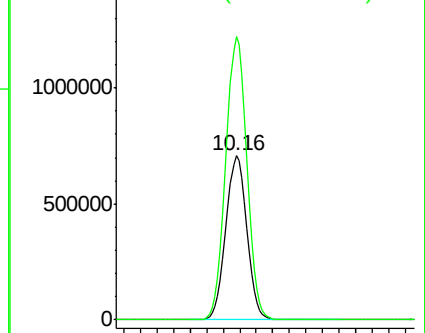
92 100

91 173.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





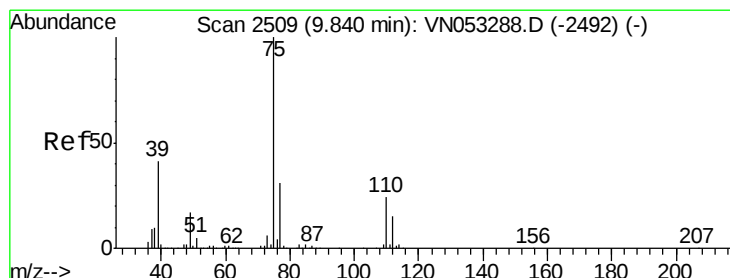
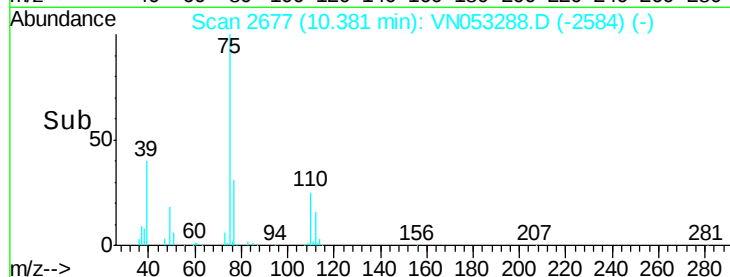
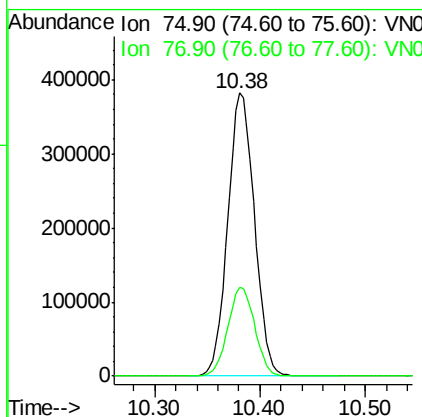
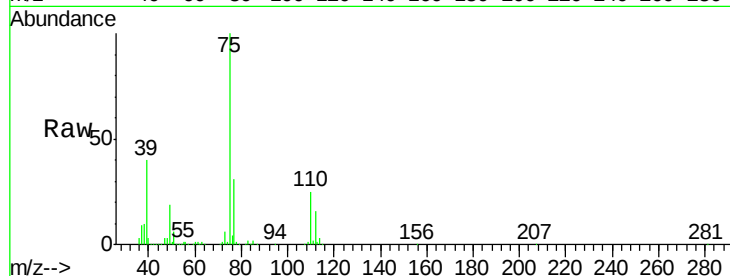
#53
t-1,3-Dichloropropene
Concen: 49.398 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4

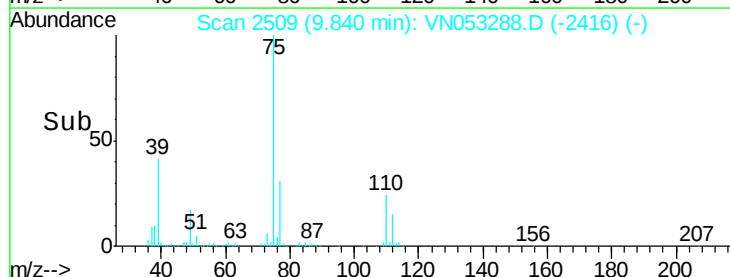
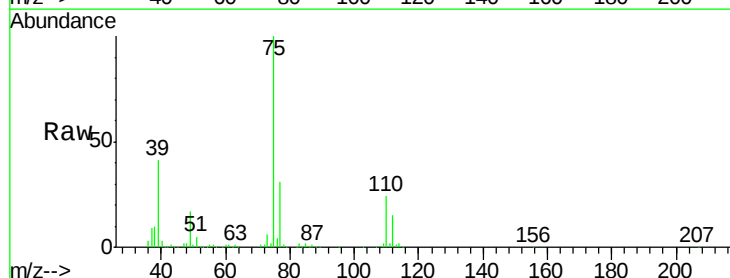
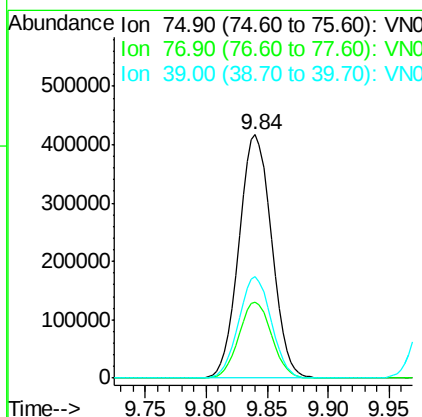
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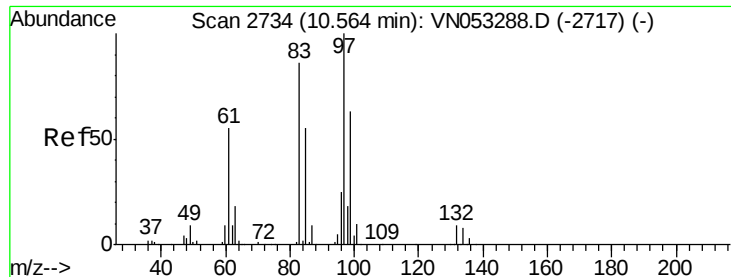
MMDadoda
1/8/2019 10:24:10 AM



#54
cis-1,3-Dichloropropene
Concen: 49.682 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	41.4	33.1	49.7





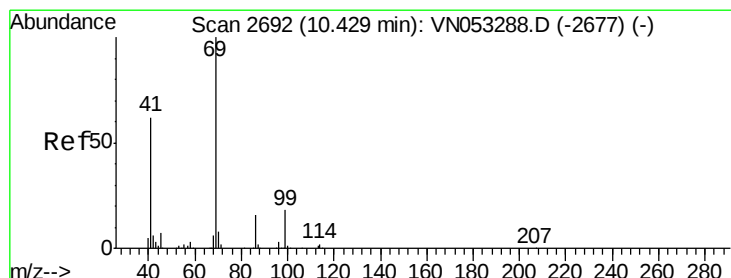
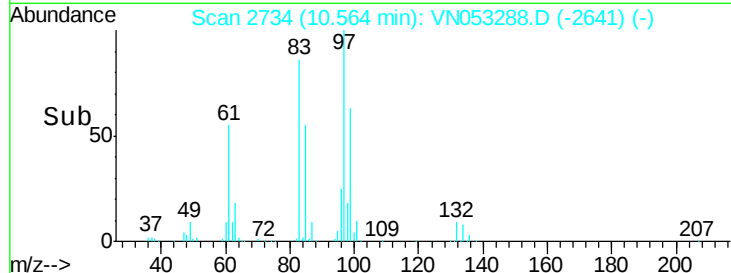
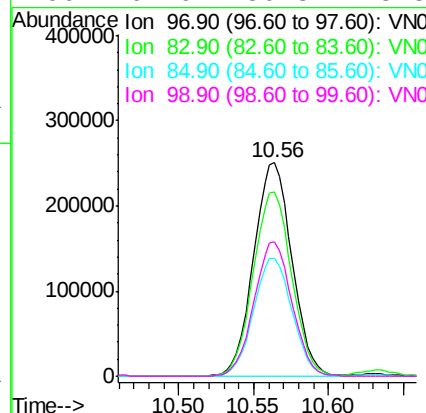
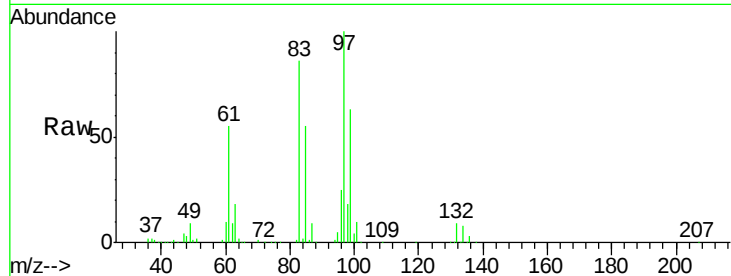
#55
 1,1,2-Trichloroethane
 Concen: 51.344 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		447211		
83	86.4	69.1	103.7		
85	55.3	44.2	66.4		
99	62.9	50.3	75.5		

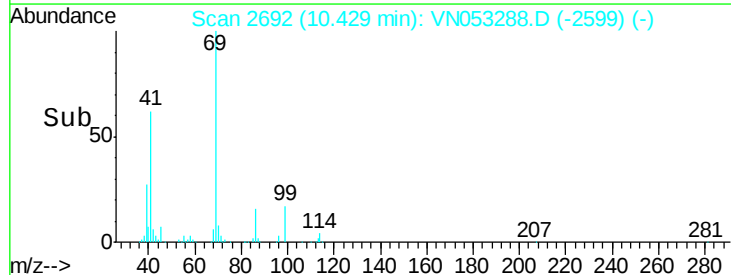
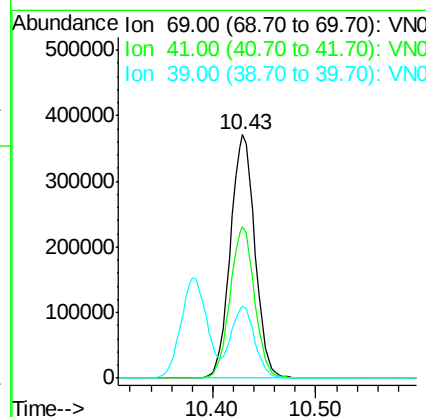
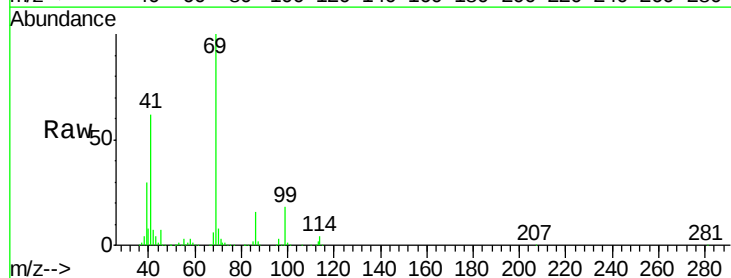
Manual Integrations
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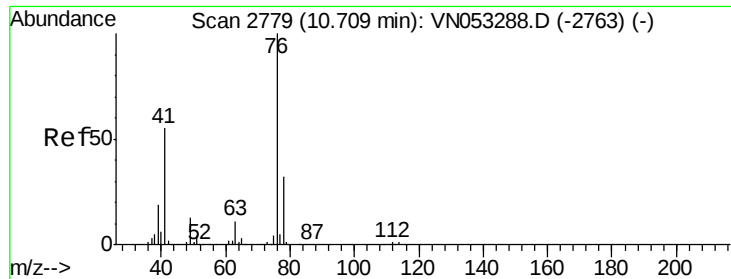
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#56
 Ethyl methacrylate
 Concen: 53.059 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		613631		
41	61.5	49.2	73.8		
39	29.2	23.4	35.0		





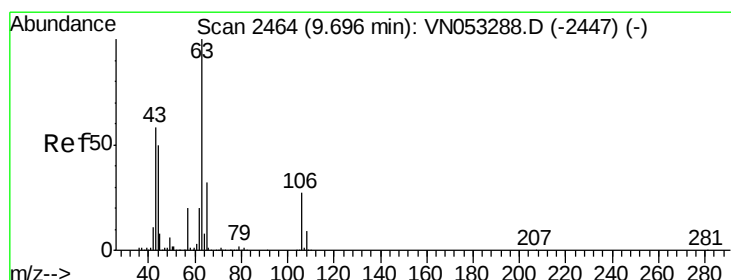
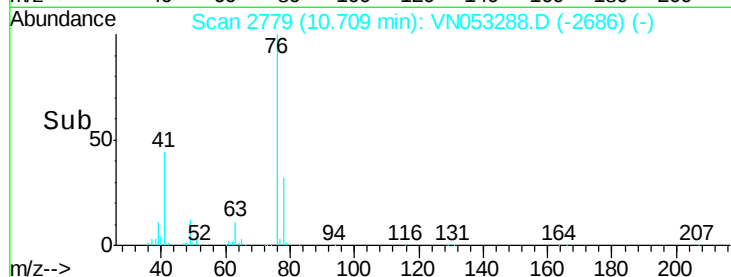
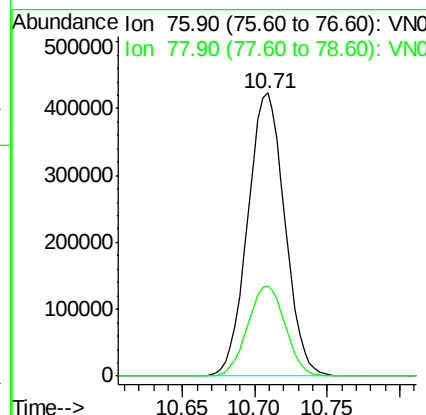
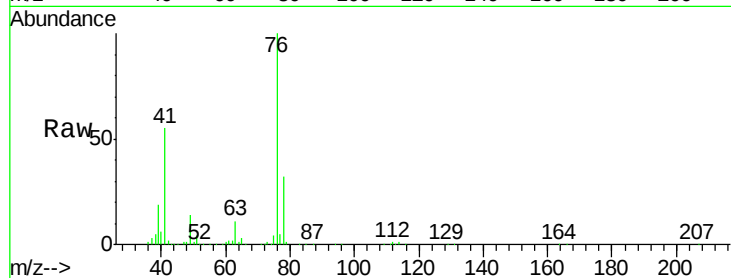
#57
 1,3-Dichloropropane
 Concen: 50.834 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

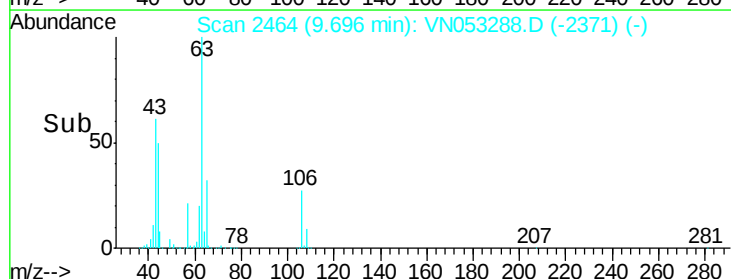
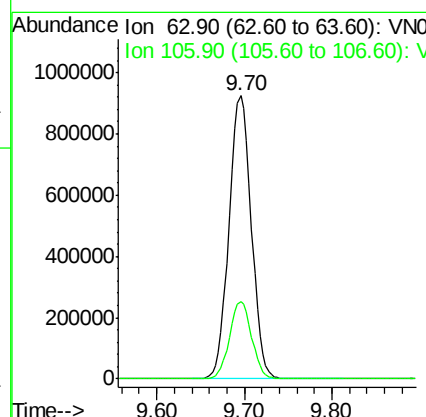
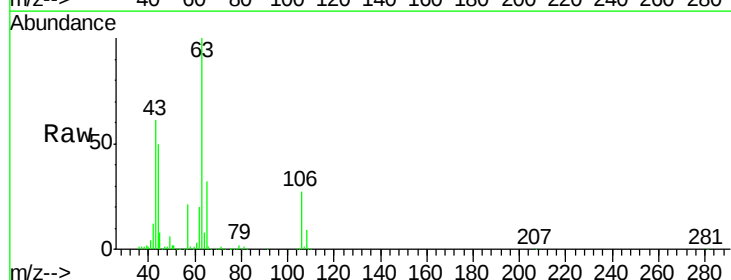
Manual Integrations
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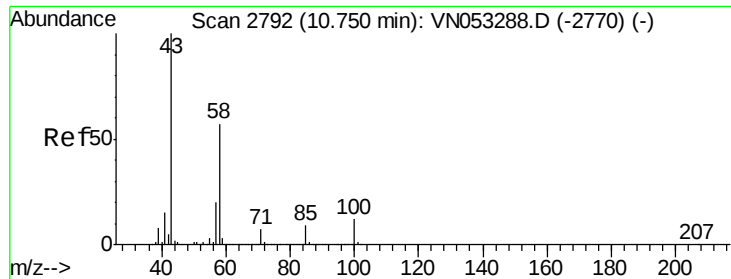
MMDadoda
 1/8/2019 10:24:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.995 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





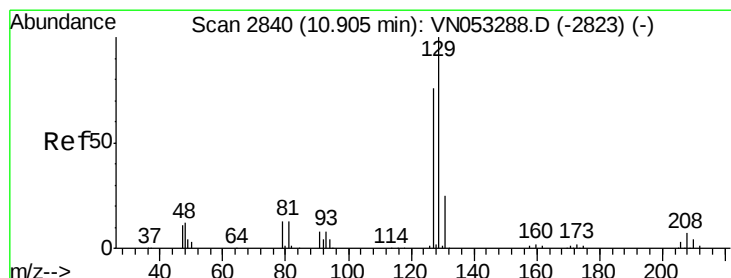
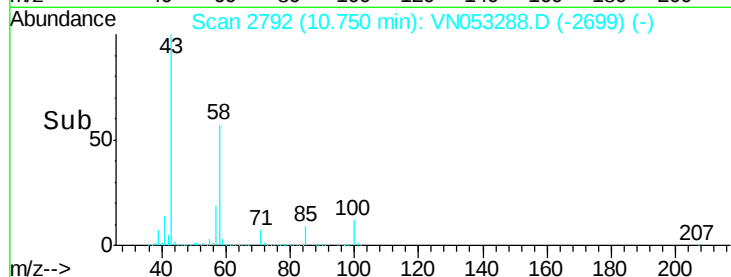
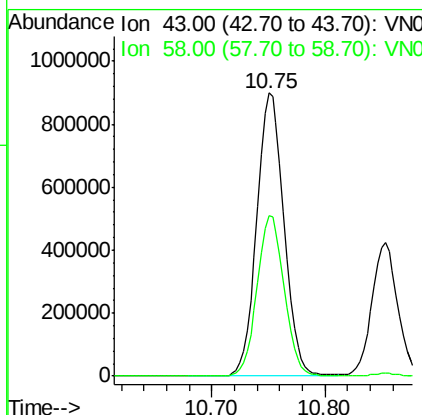
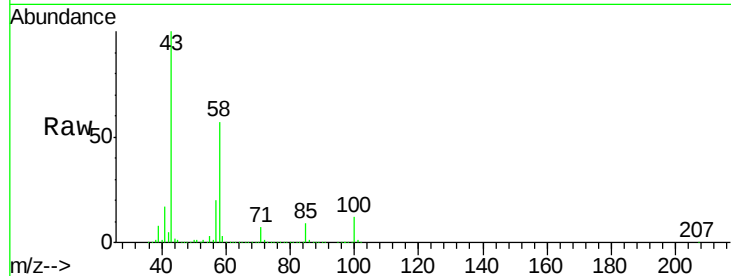
#59
2-Hexanone
Concen: 295.327 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1501239
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0

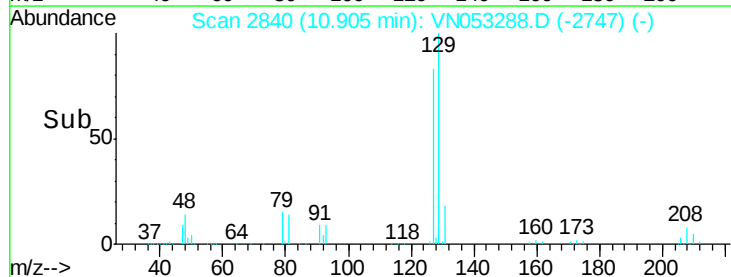
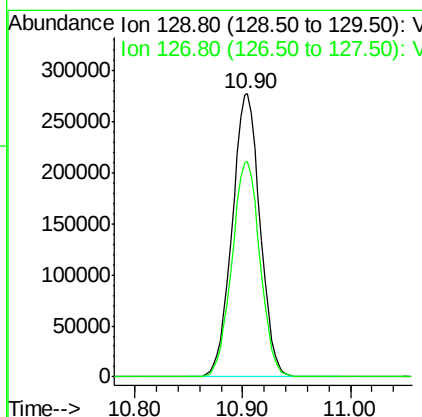
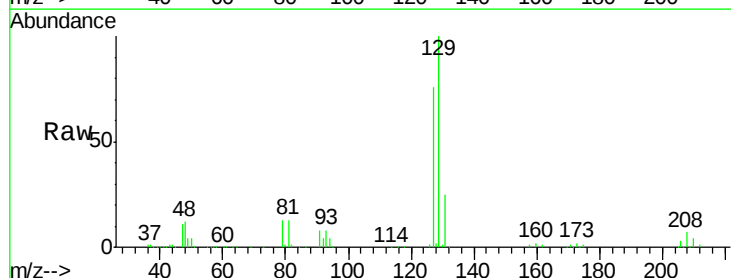
Manual Integrations
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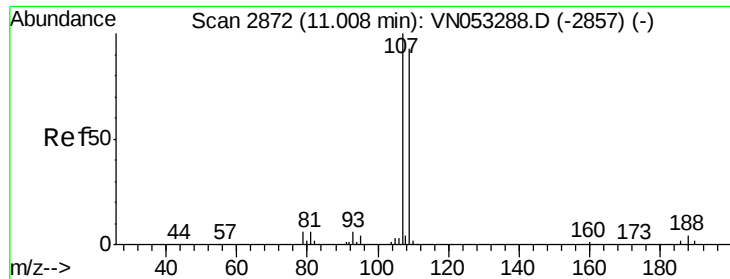
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#60
Dibromochloromethane
Concen: 50.369 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion: 129 Resp: 499921
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2





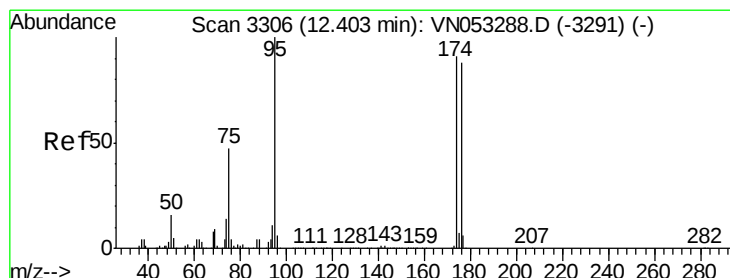
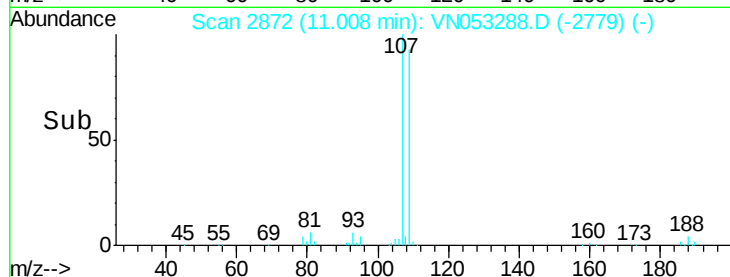
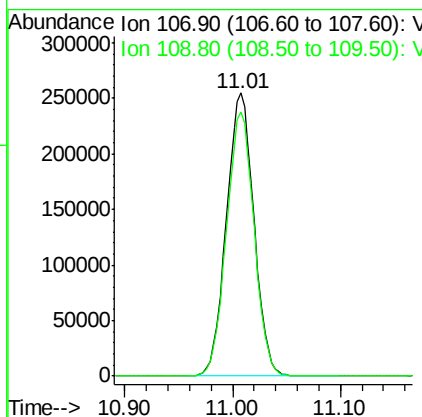
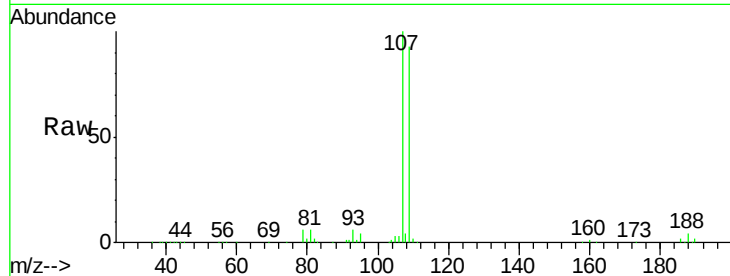
#61
 1,2-Dibromoethane
 Concen: 51.265 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.0	112.6

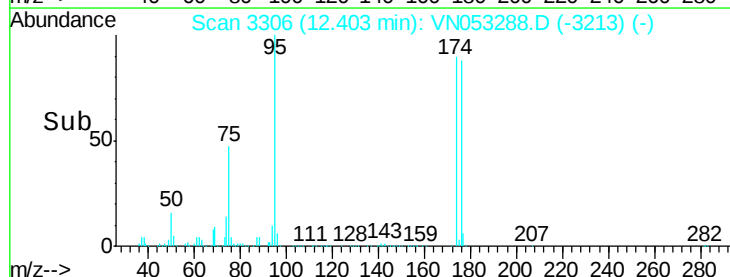
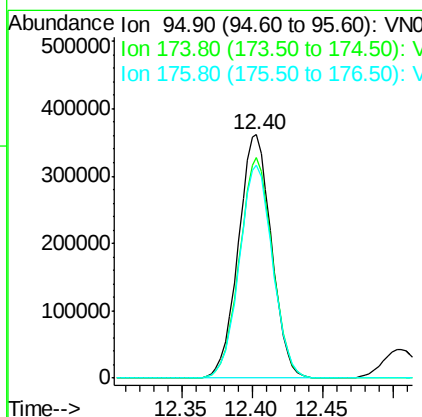
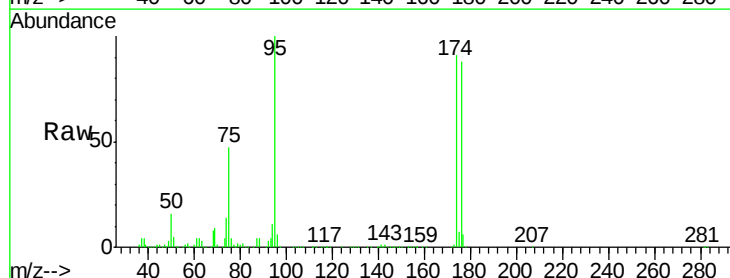
Manual Integrations
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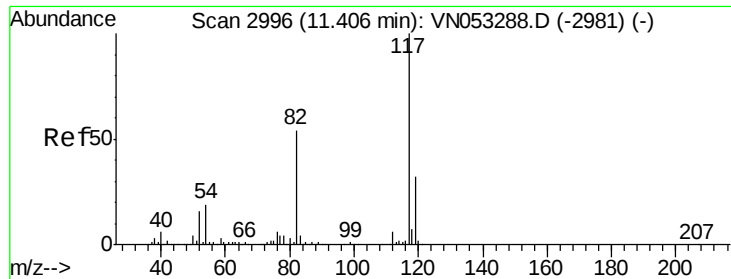
MMDadoda
 1/8/2019 10:24:10 AM



#62
 4-Bromofluorobenzene
 Concen: 51.265 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	180.4
176	87.8	0.0	175.6





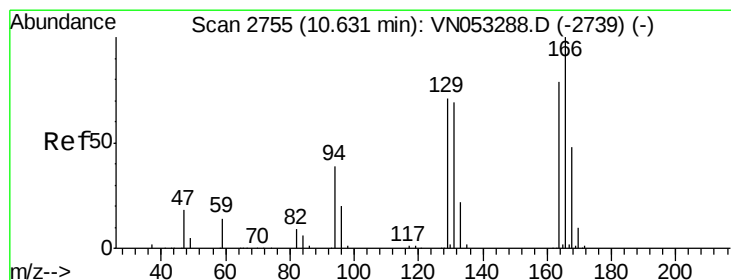
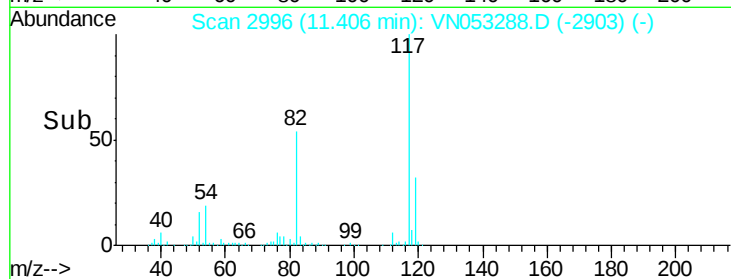
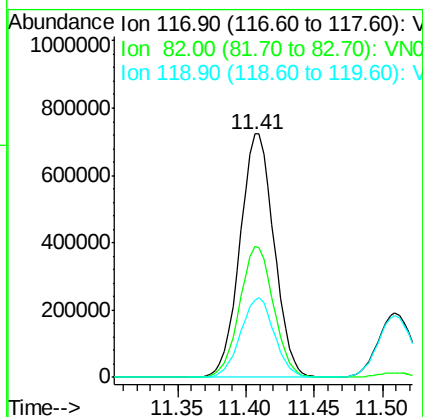
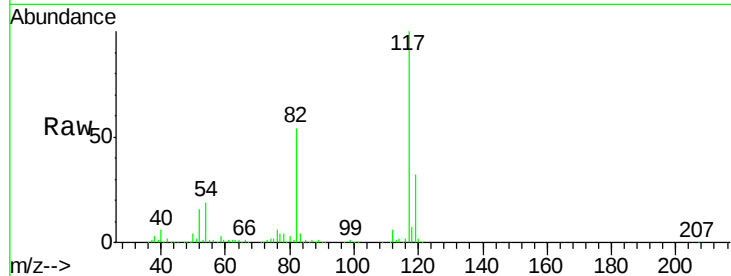
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.9	64.3
119	32.0	25.6	38.4

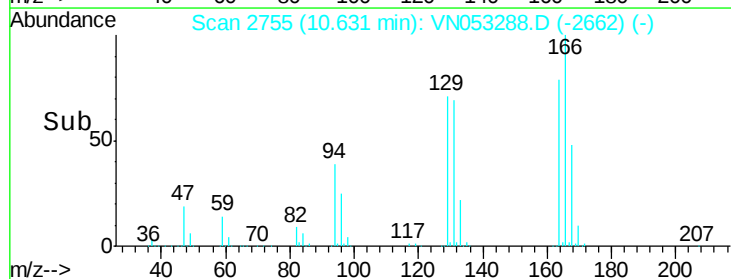
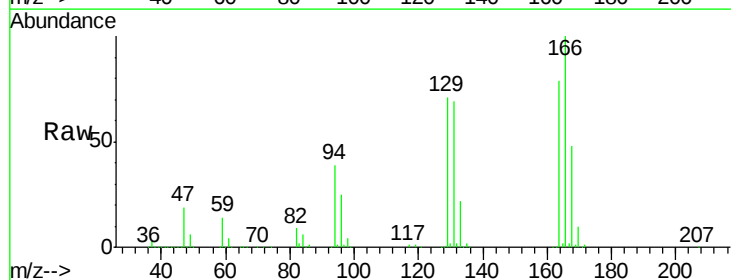
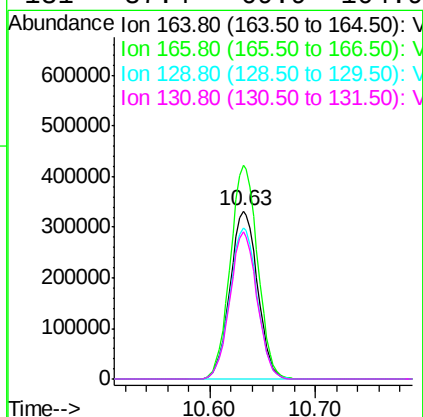
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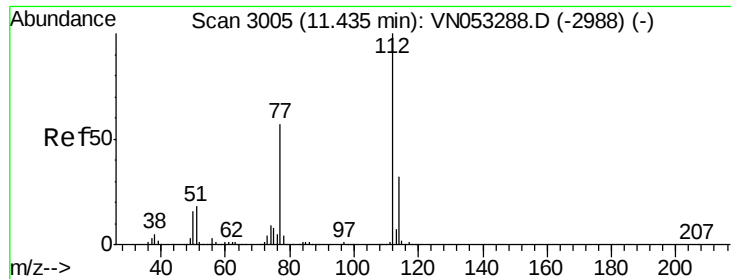
MMDadoda
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#64
Tetrachloroethene
Concen: 44.770 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.7	152.5
129	90.1	72.1	108.1
131	87.4	69.9	104.9





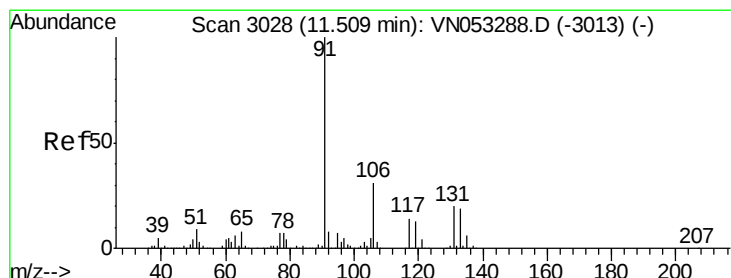
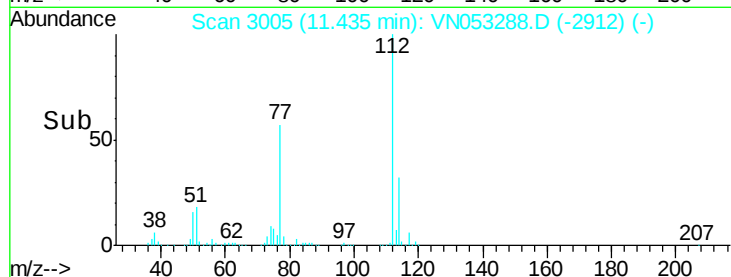
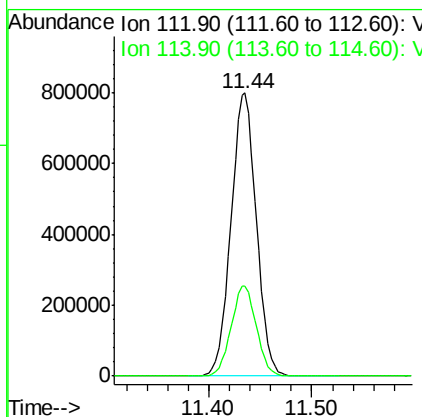
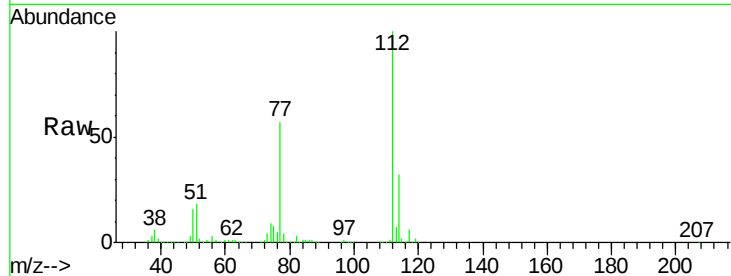
#65
Chlorobenzene
Concen: 49.032 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1363685
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

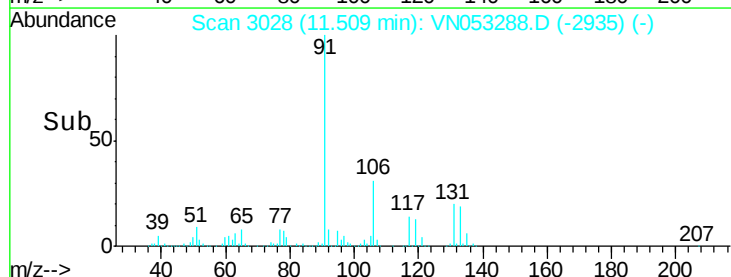
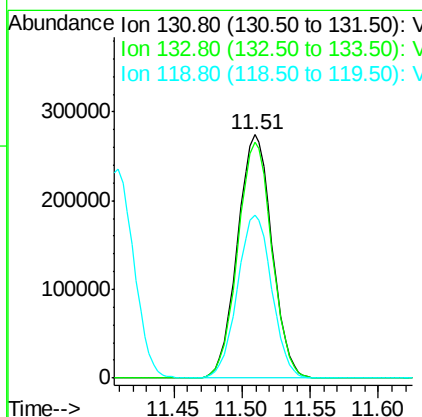
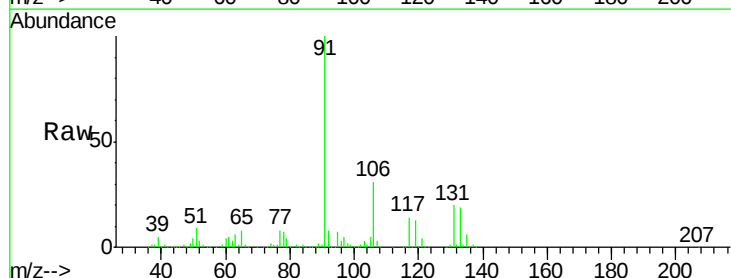
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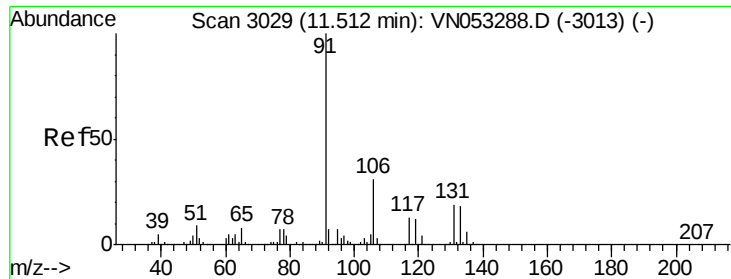
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.707 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion:131 Resp: 480954
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 66.6 33.3 99.9





#67

Ethyl Benzene

Concen: 49.322 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 2358354

Ion Ratio Lower Upper

91 100

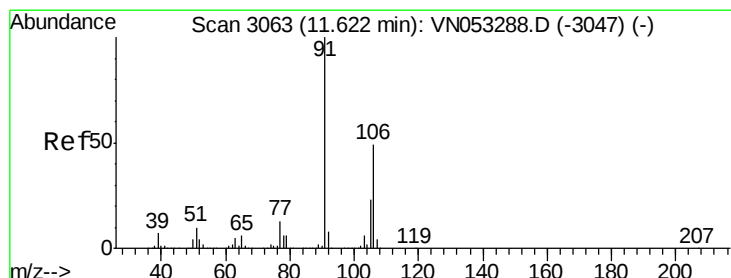
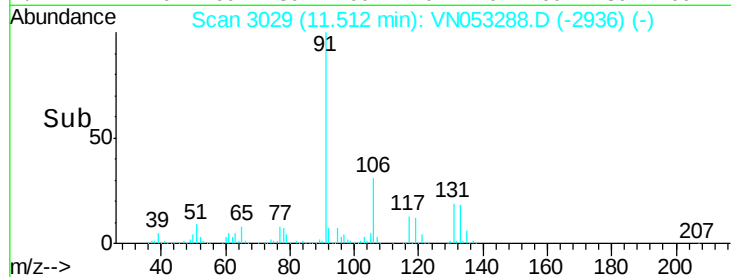
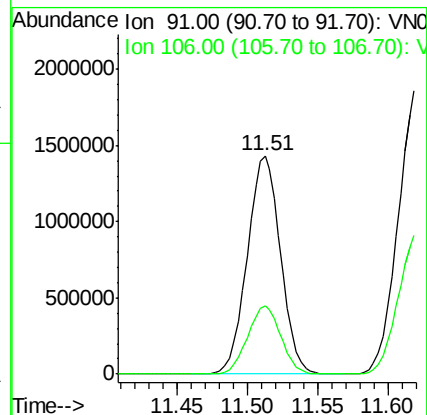
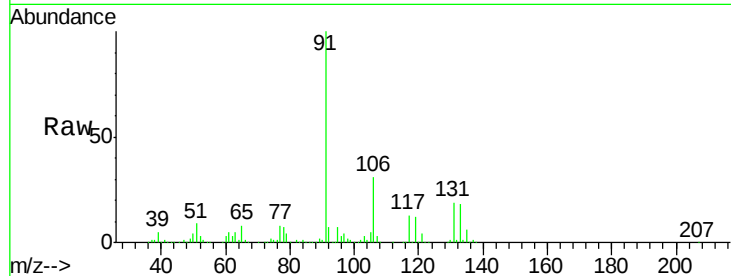
106 31.2 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 98.860 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053288.D

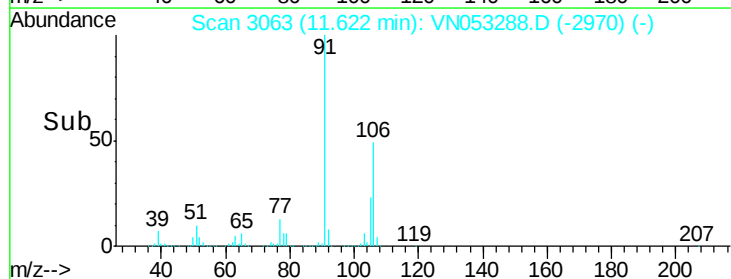
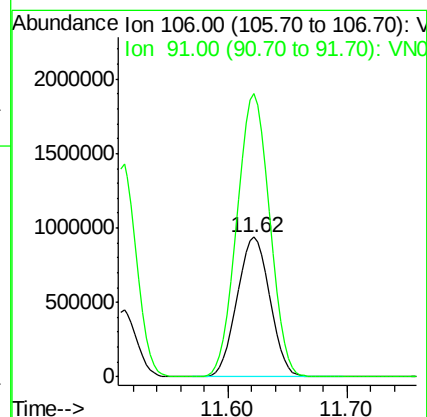
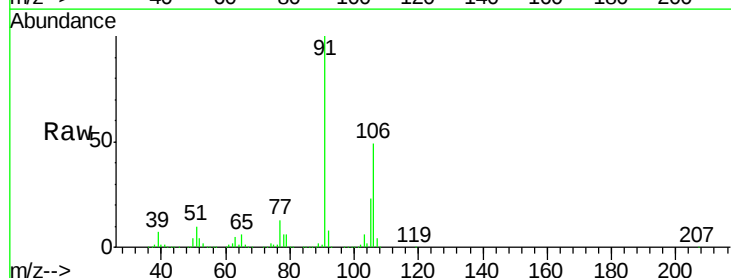
Acq: 4 Jan 2019 18:35

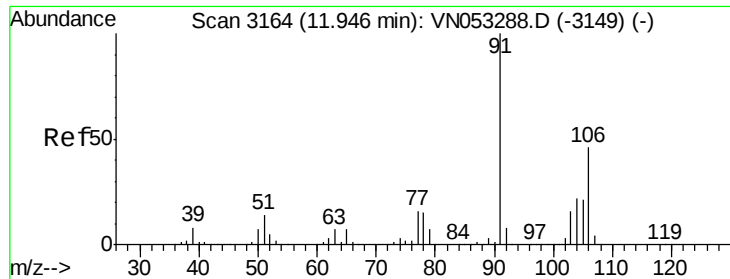
Tgt Ion: 106 Resp: 1797935

Ion Ratio Lower Upper

106 100

91 201.8 161.4 242.2





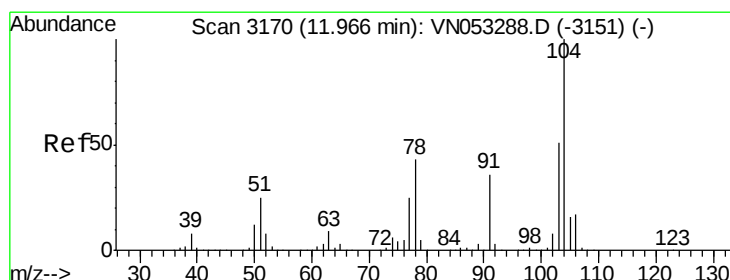
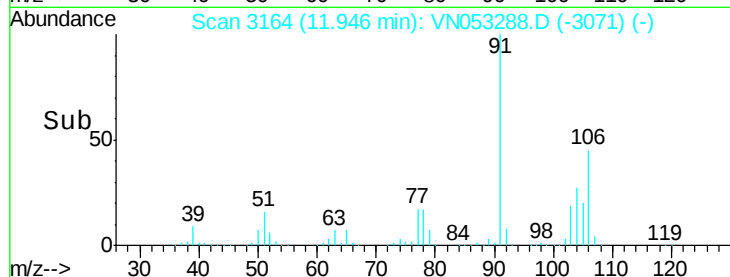
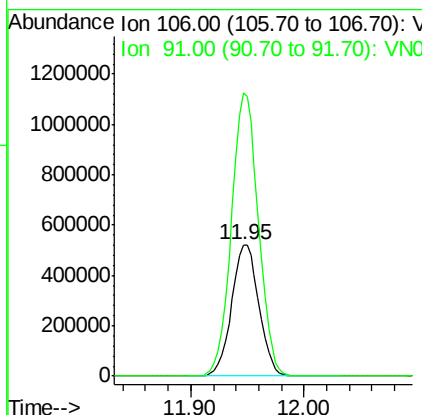
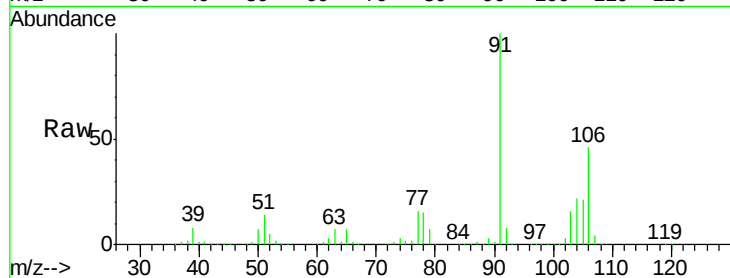
#69
o-Xylene
Concen: 49.963 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 871154
Ion Ratio Lower Upper
106 100
91 213.6 106.8 320.4

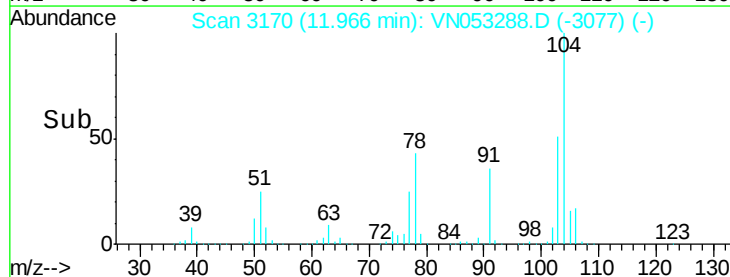
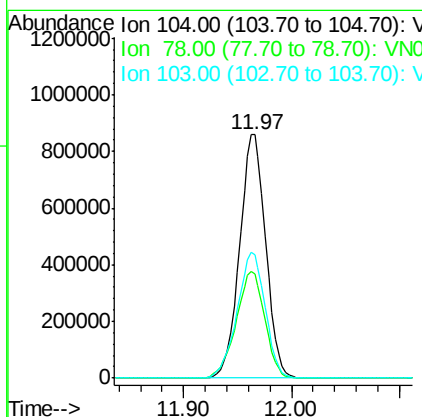
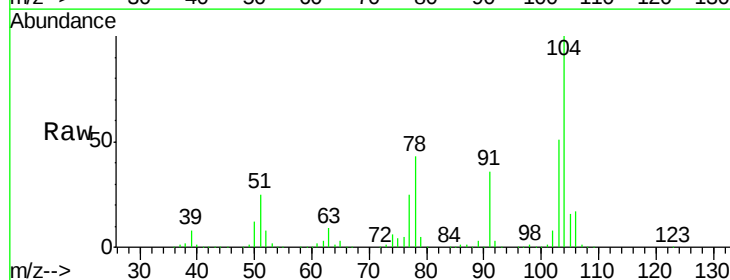
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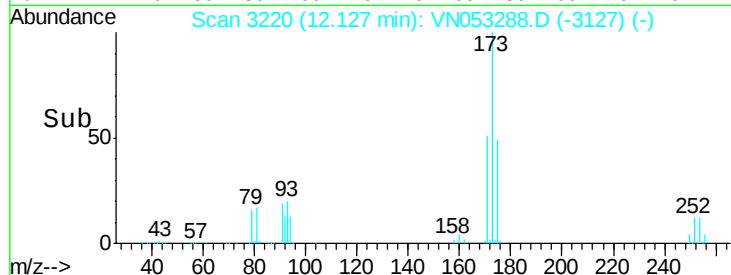
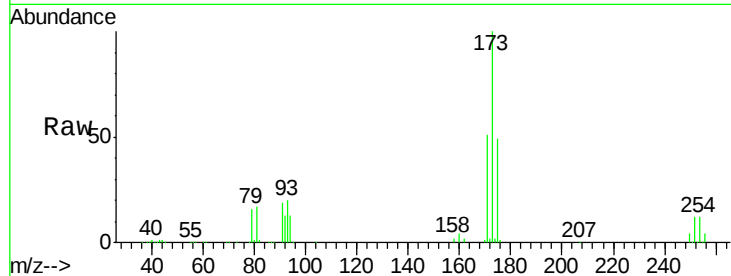
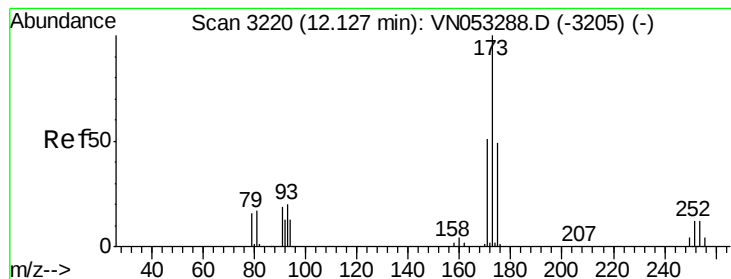
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#70
Styrene
Concen: 50.704 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion:104 Resp: 1443450
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.6 44.5 66.7





#71

Bromoform

Concen: 49.838 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Tot Ion:	173	Resp:	347461
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.3	72.8
254	0.2	0.2	0.2

Instrument :

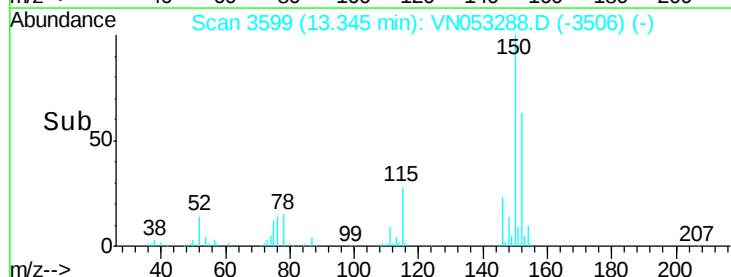
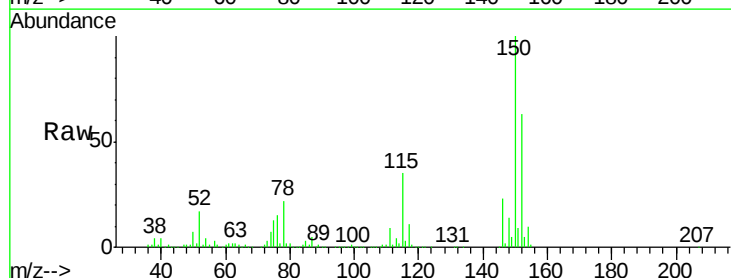
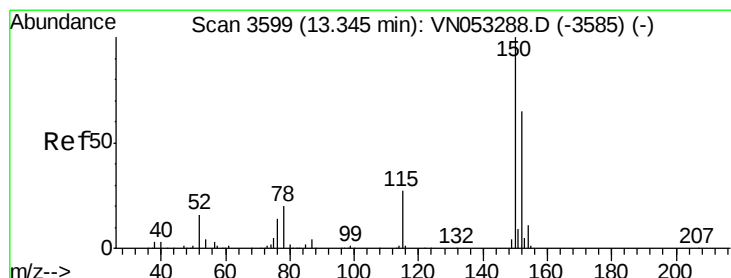
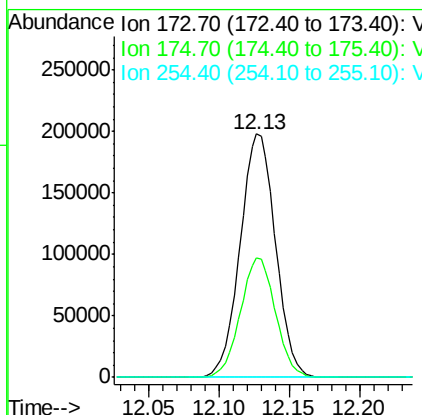
MSVOA_N

ClientSampled :

VSTDICCC050

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

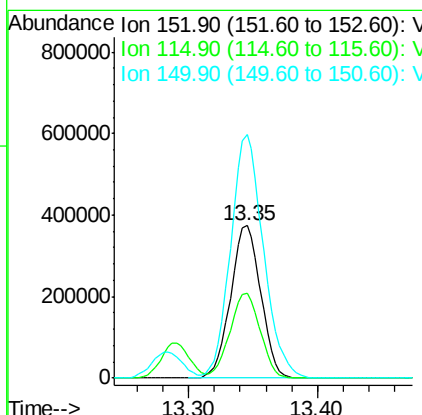
RT: 13.35 min Scan# 3599

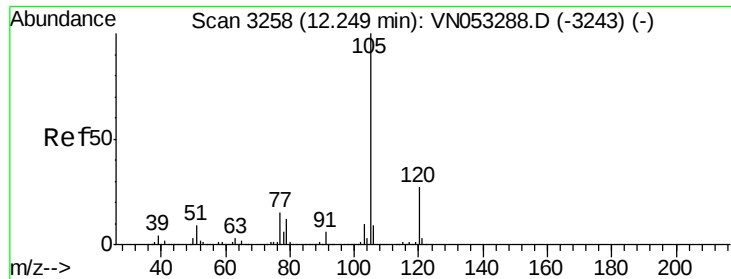
Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Tgt Ion:	152	Resp:	606439
Ion Ratio	Lower	Upper	
152	100		
115	56.0	28.0	84.0
150	173.3	0.0	346.6





#73

Isopropylbenzene

Concen: 48.519 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2297851

Ion Ratio Lower Upper

105 100

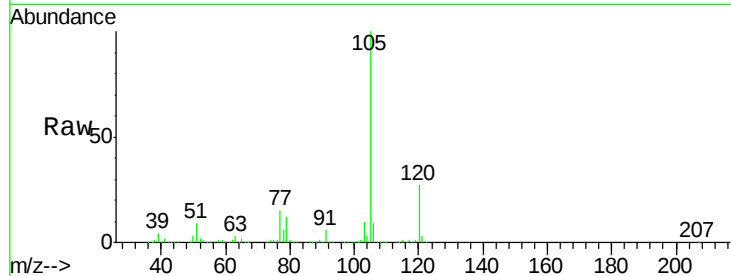
120 26.8 13.4 40.2

Manual Integrations

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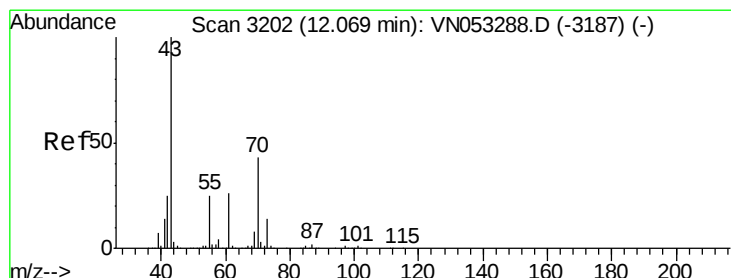
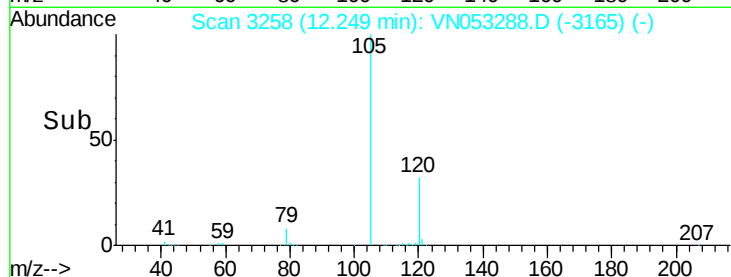
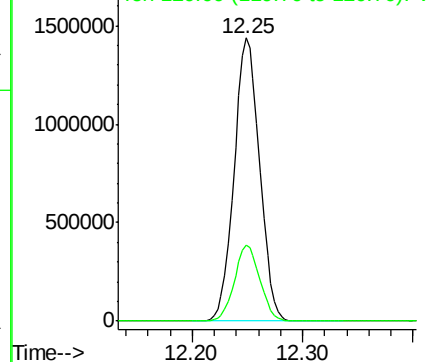
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.754 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Tgt Ion: 43 Resp: 701688

Ion Ratio Lower Upper

43 100

70 43.8 35.0 52.6

55 25.0 20.0 30.0

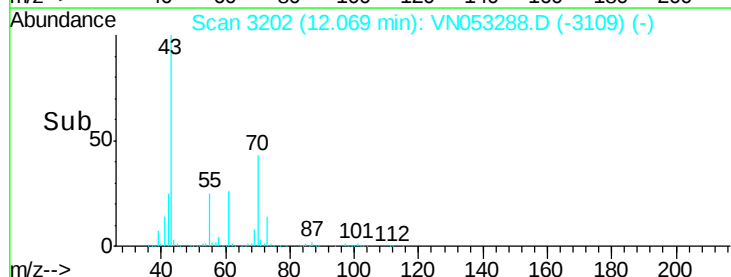
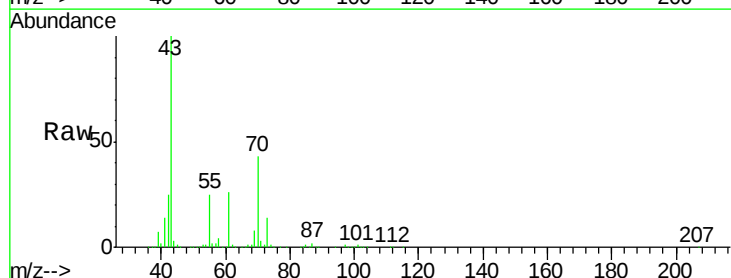
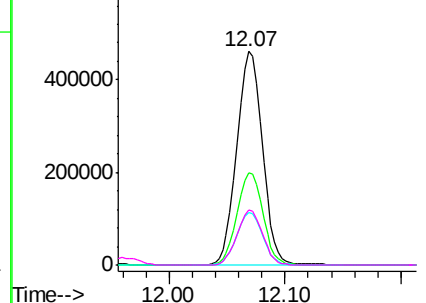
61 25.4 20.3 30.5

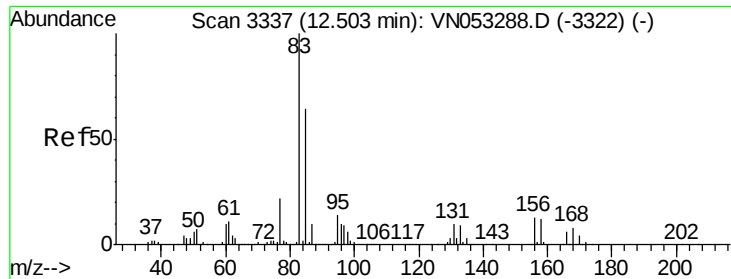
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.346 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

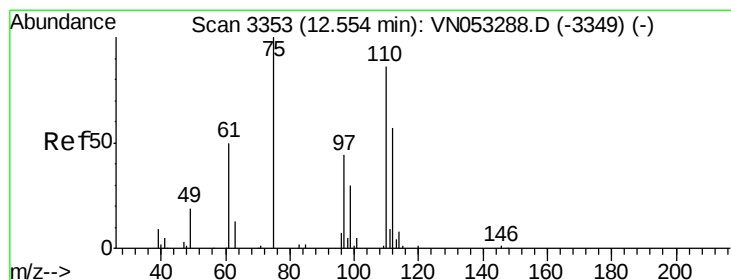
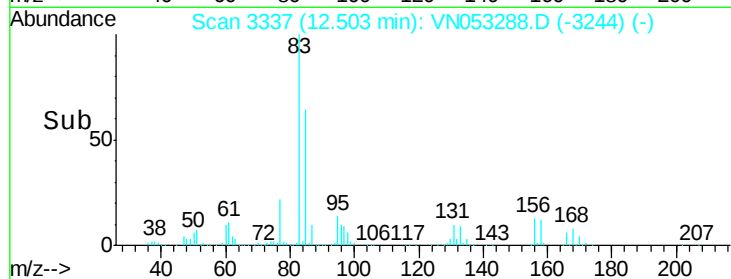
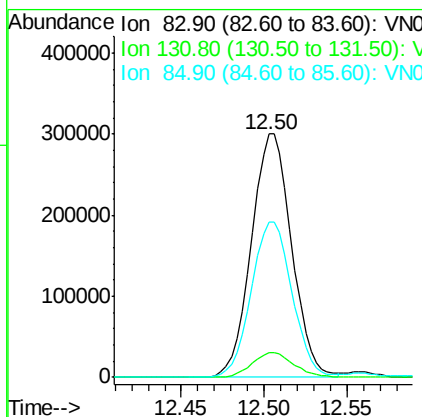
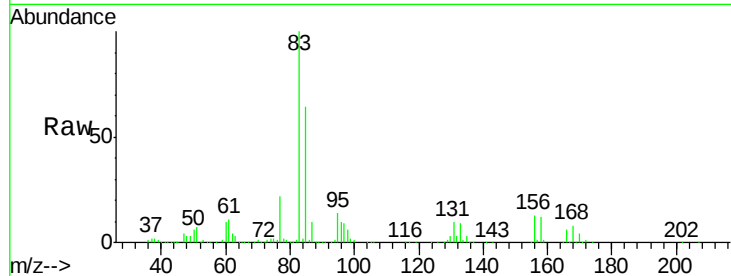
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	508631
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.016 ug/l m

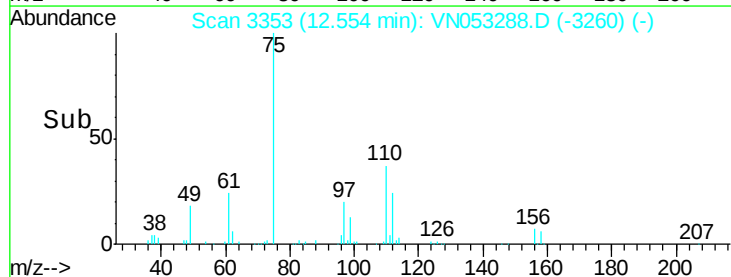
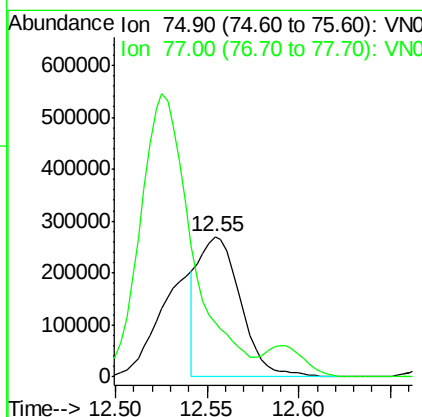
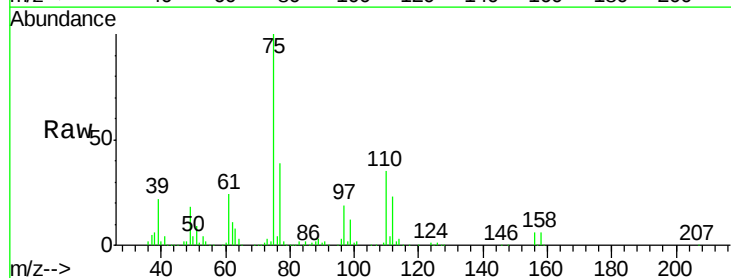
RT: 12.55 min Scan# 3353

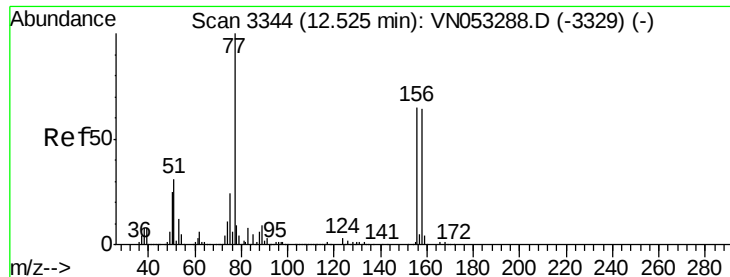
Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Tgt Ion:	75	Resp:	430651
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.736 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 600908

Ion Ratio Lower Upper

156 100

77 178.7 89.3 268.1

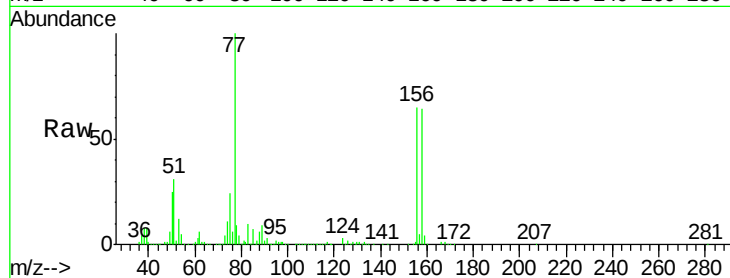
158 97.9 48.9 146.8

Manual Integrations

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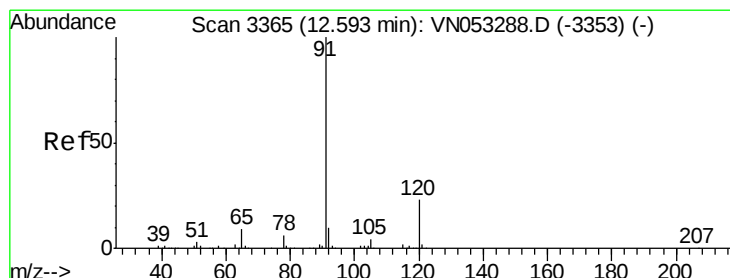
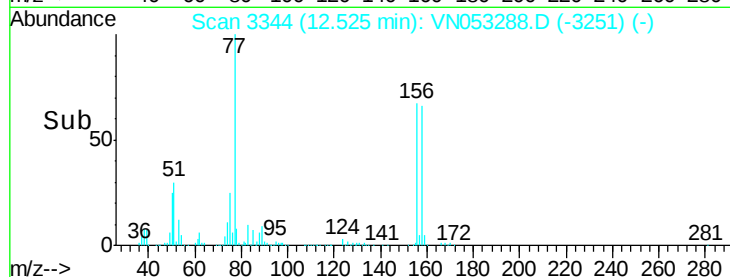
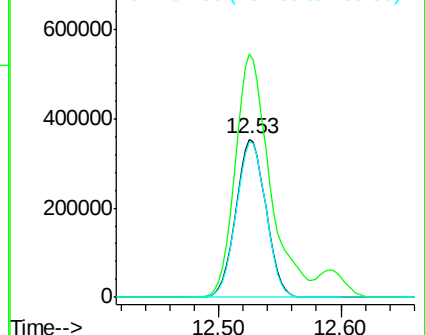
1/8/2019 10:24:10 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.584 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053288.D

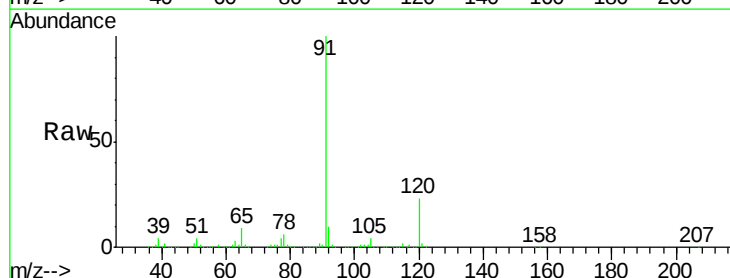
Acq: 4 Jan 2019 18:35

Tgt Ion: 91 Resp: 2619797

Ion Ratio Lower Upper

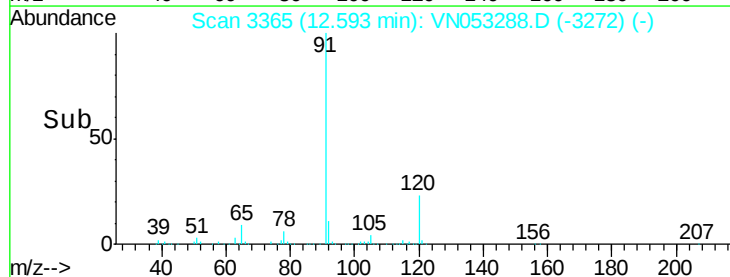
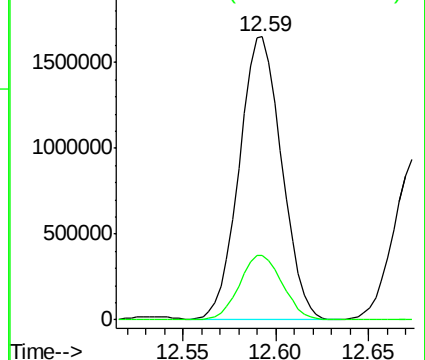
91 100

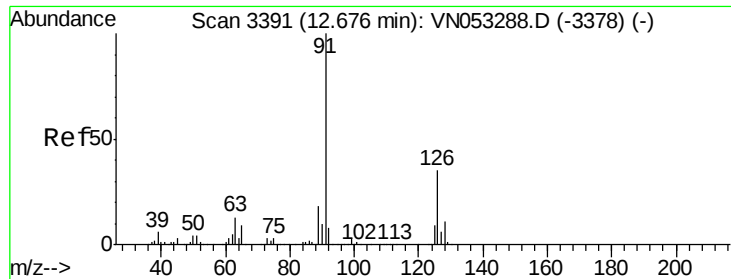
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.275 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1547673

Ion Ratio Lower Upper

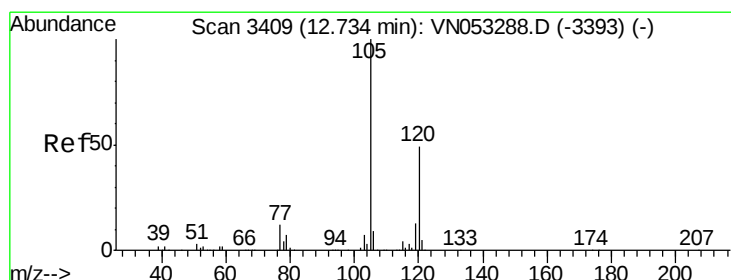
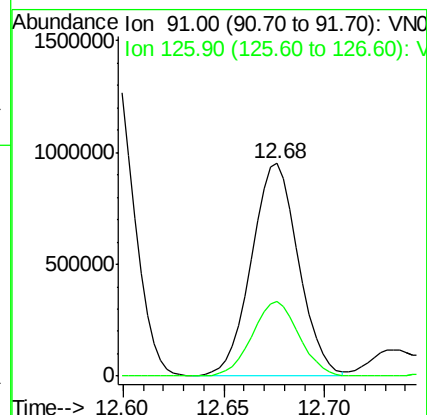
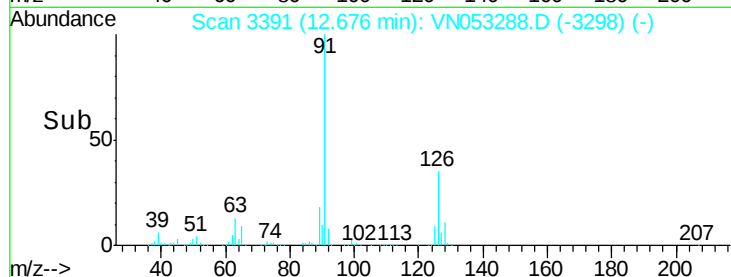
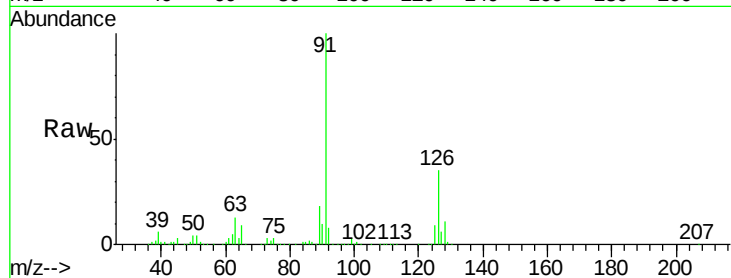
91 100

126 35.0 17.5 52.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 47.985 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053288.D

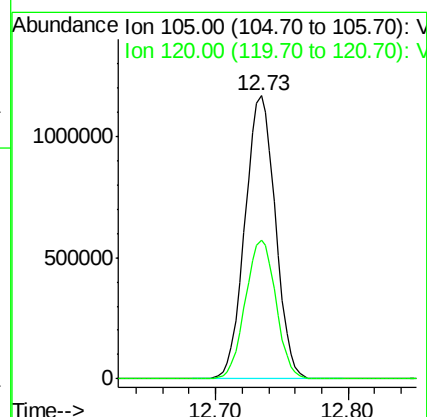
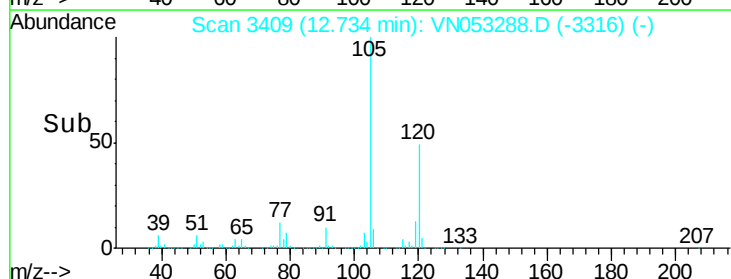
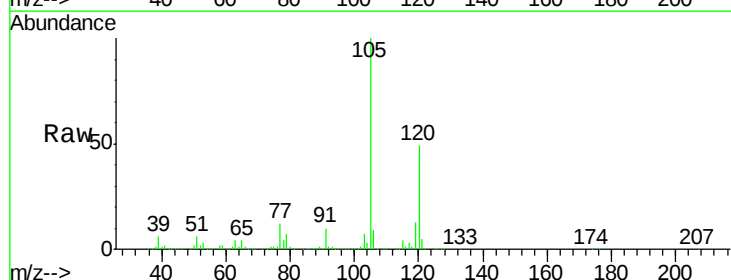
Acq: 4 Jan 2019 18:35

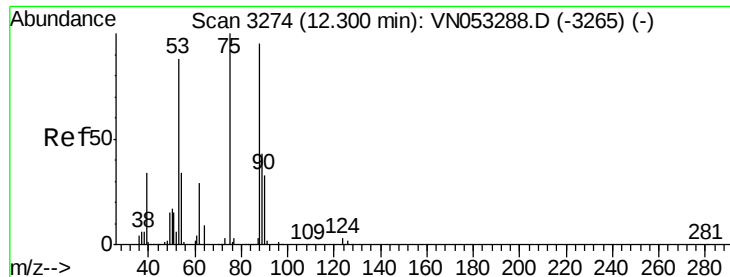
Tgt Ion: 105 Resp: 1850192

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





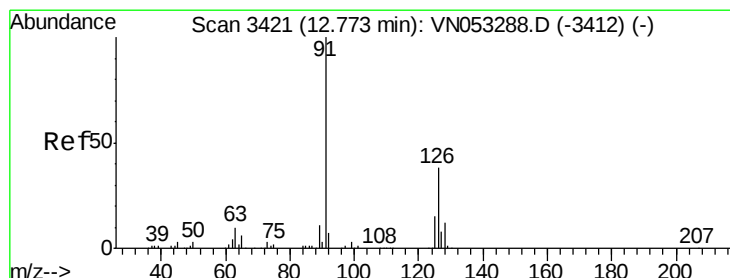
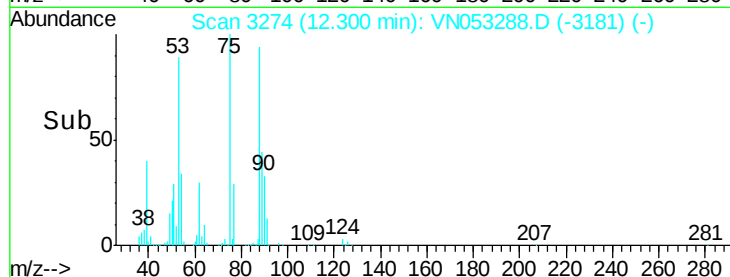
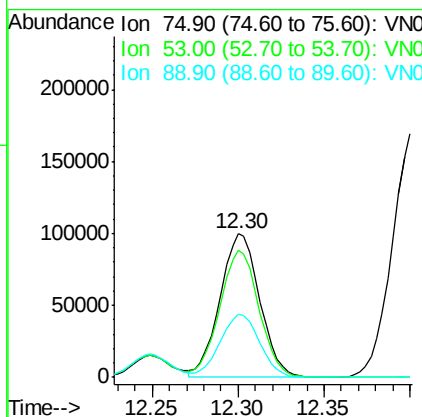
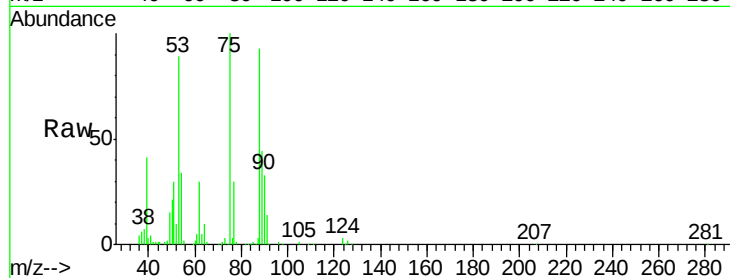
#81
trans-1,4-Dichloro-2-butene
Concen: 50.776 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.1	70.5	105.7
89	44.2	35.4	53.0

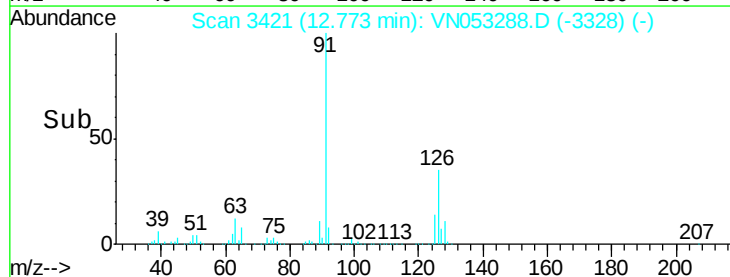
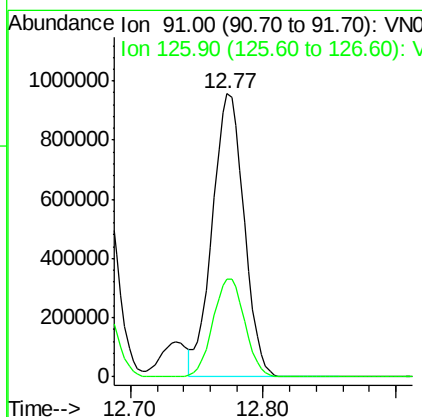
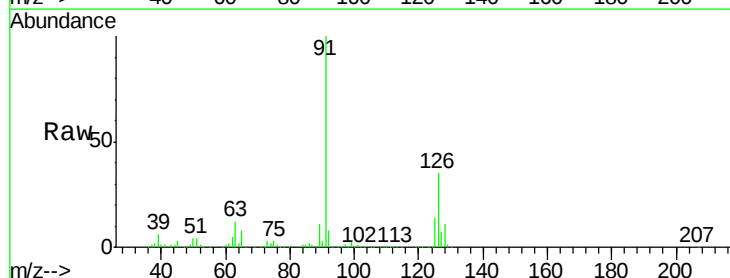
Manual Integrations
APPROVED

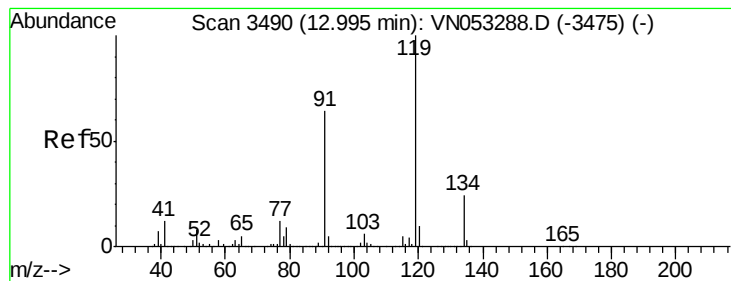
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#82
4-Chlorotoluene
Concen: 48.420 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.4	52.2





#83

tert-Butylbenzene

Concen: 46.872 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:119 Resp: 1596178

Ion Ratio Lower Upper

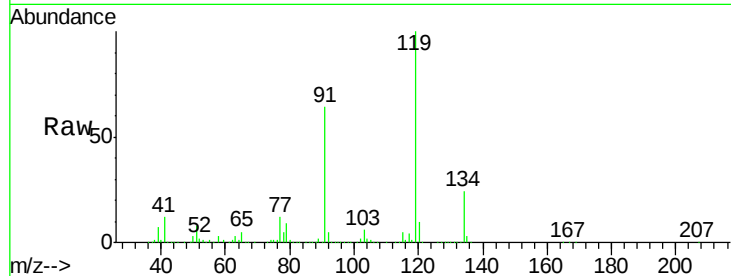
119 100

91 63.3 31.6 95.0

134 25.7 12.9 38.6

Manual Integrations
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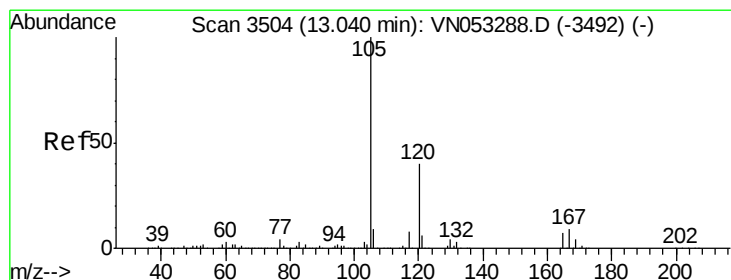
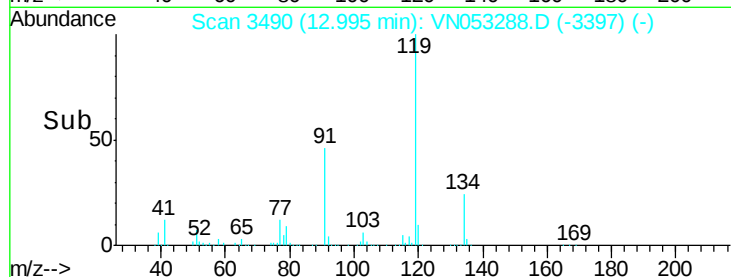
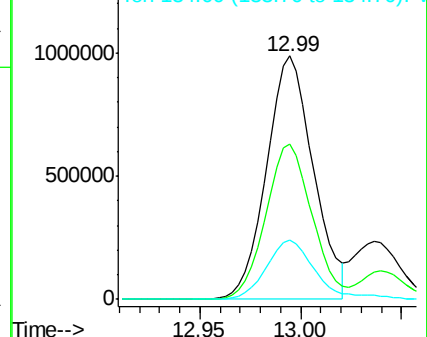
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.626 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053288.D

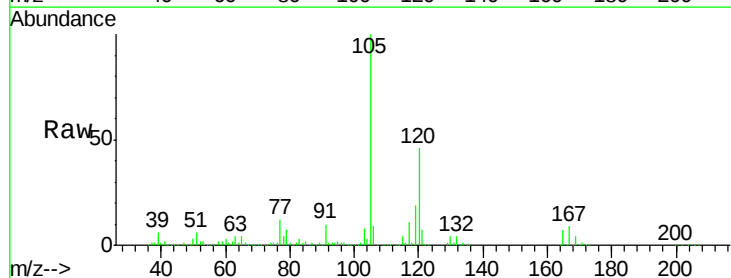
Acq: 4 Jan 2019 18:35

Tgt Ion:105 Resp: 1885752

Ion Ratio Lower Upper

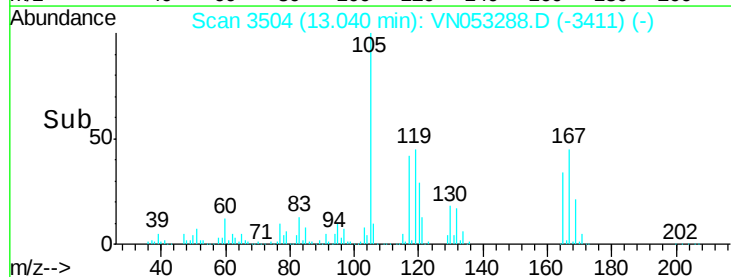
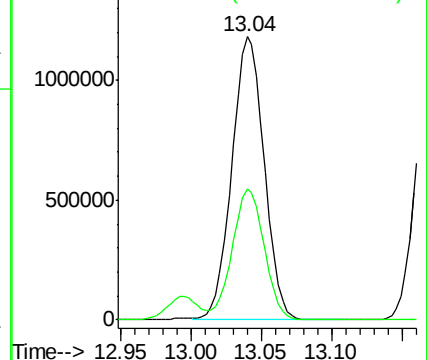
105 100

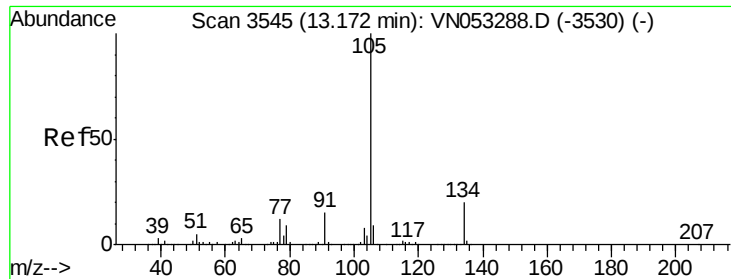
120 46.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.365 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 2131234

Ion Ratio Lower Upper

105 100

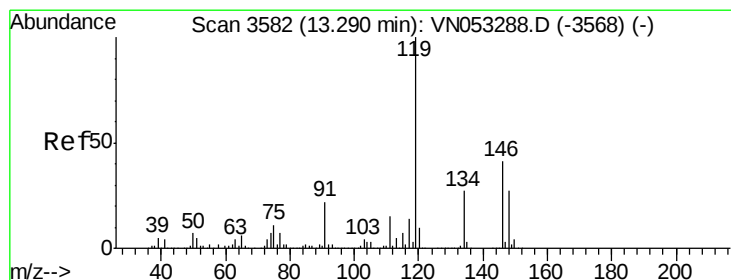
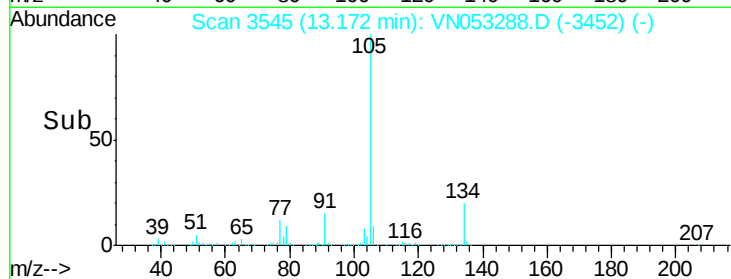
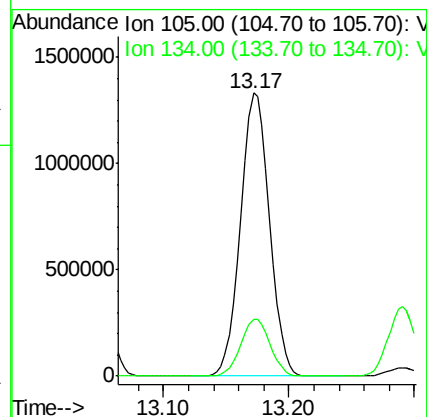
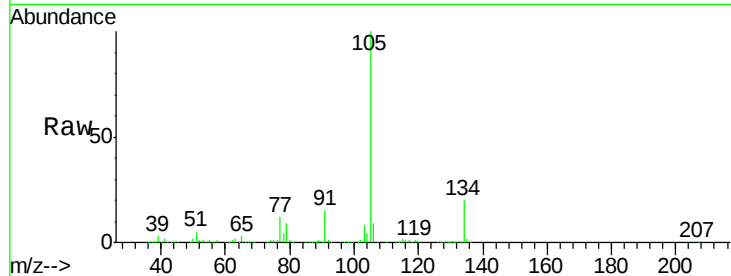
134 20.4 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.104 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053288.D

Acq: 4 Jan 2019 18:35

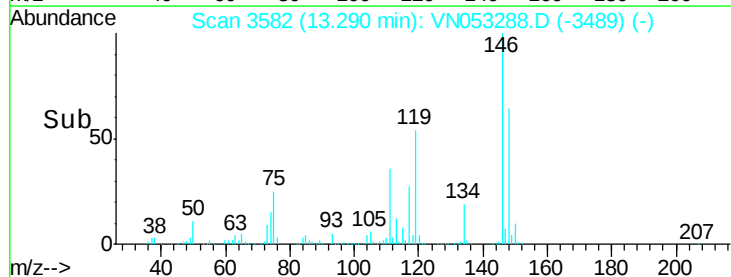
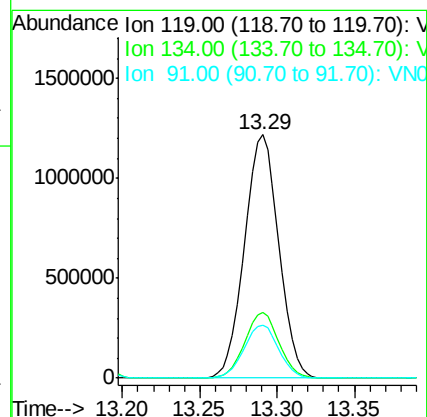
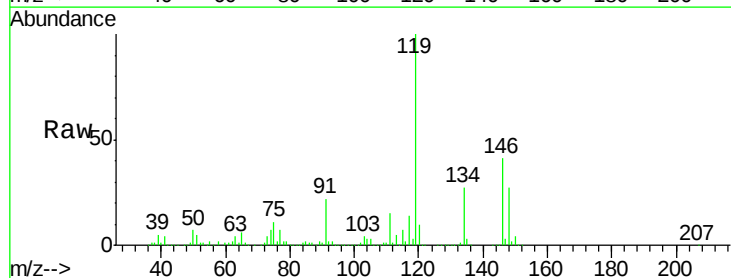
Tgt Ion:119 Resp: 1871060

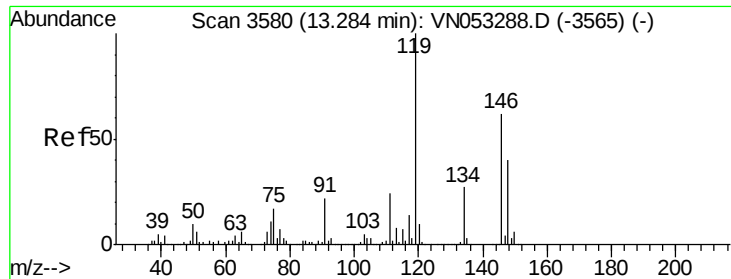
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.1 11.1 33.1





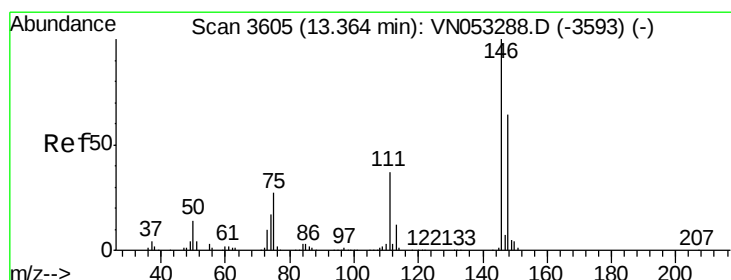
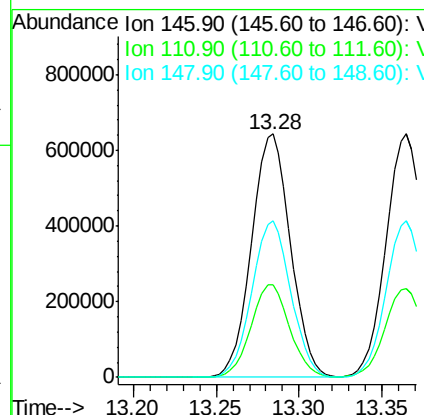
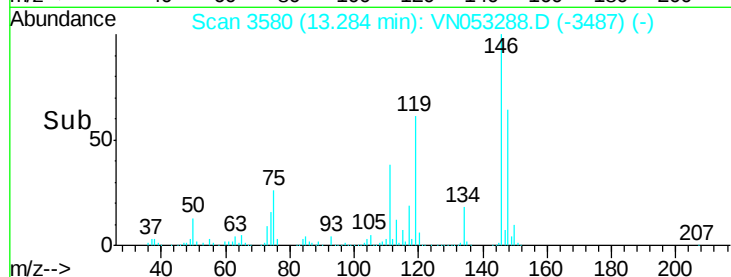
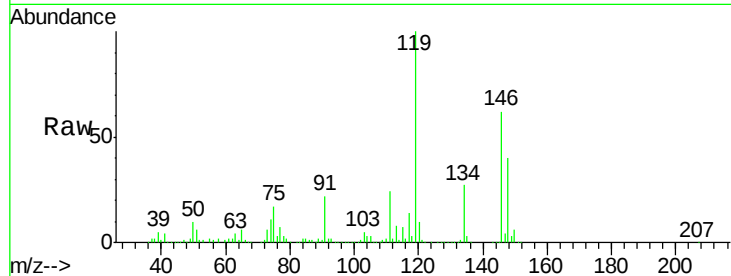
#87
 1,3-Dichlorobenzene
 Concen: 48.240 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:146 Resp: 1051091
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.5
 148 64.1 32.0 96.2

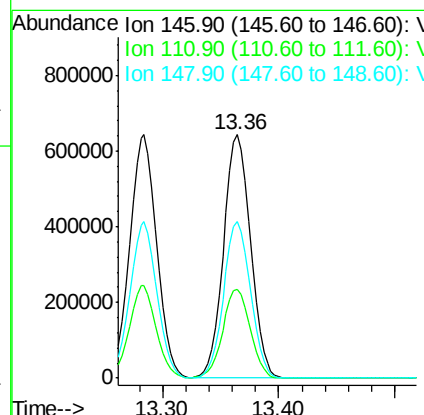
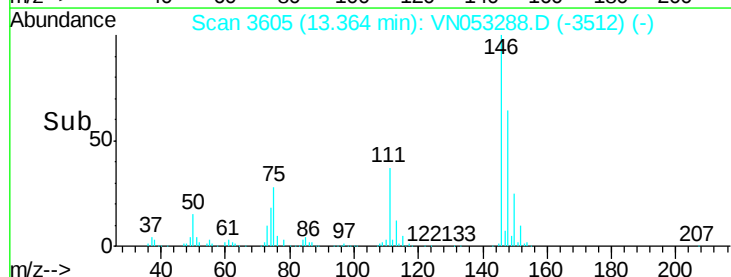
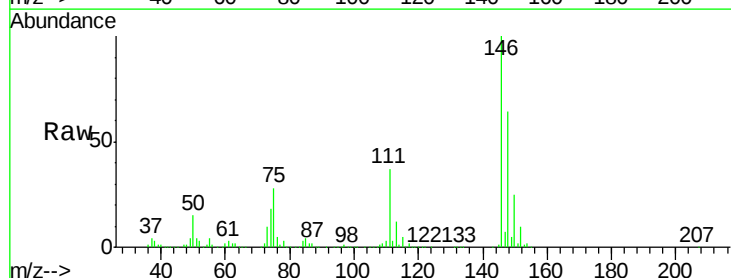
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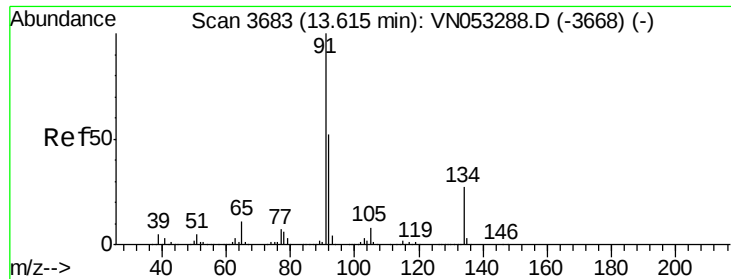
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#88
 1,4-Dichlorobenzene
 Concen: 46.998 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion:146 Resp: 1037856
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.0 32.0 96.0





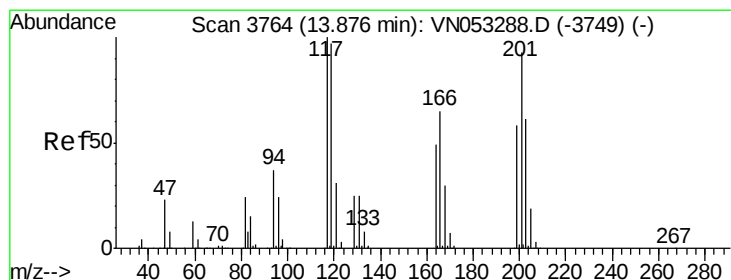
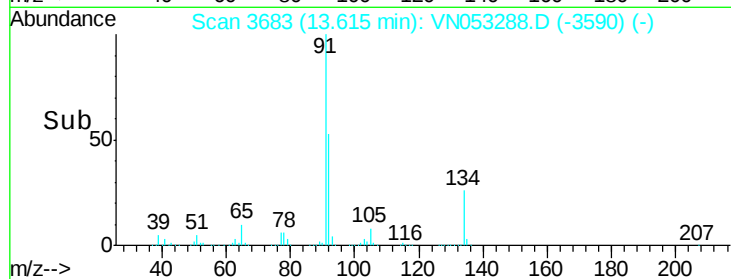
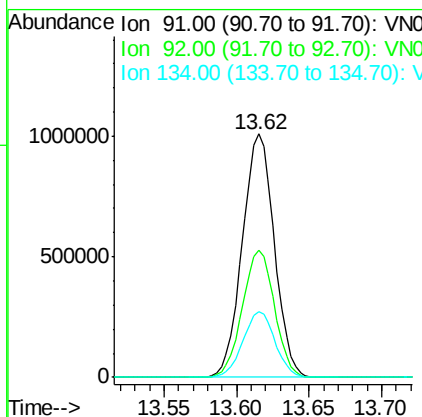
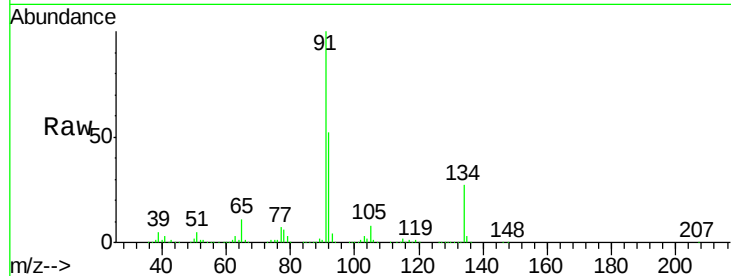
#89
n-Butylbenzene
Concen: 45.412 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1548933
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 27.0 13.5 40.5

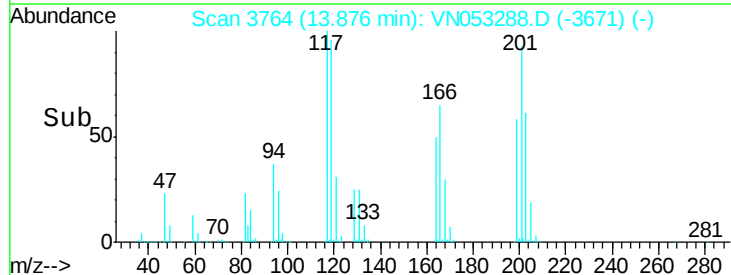
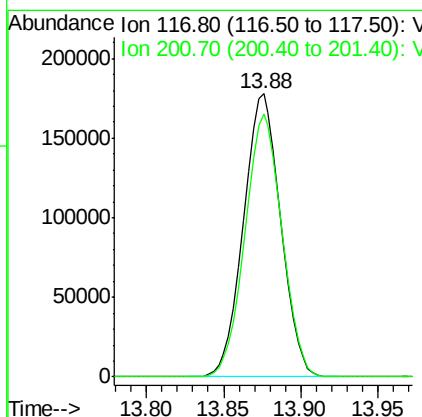
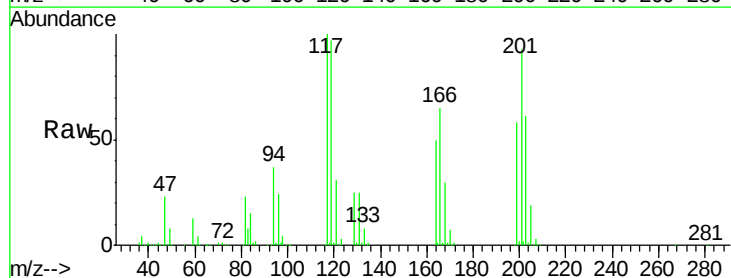
Manual Integrations
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#90
Hexachloroethane
Concen: 48.640 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion: 117 Resp: 298110
Ion Ratio Lower Upper
117 100
201 92.2 46.1 138.3





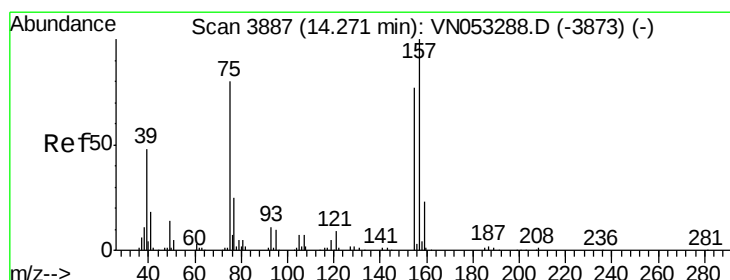
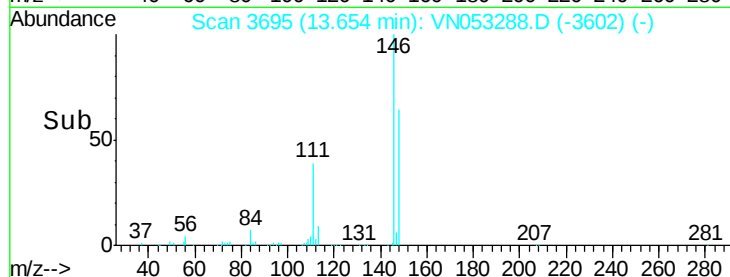
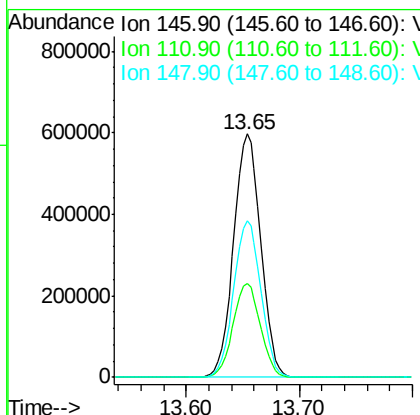
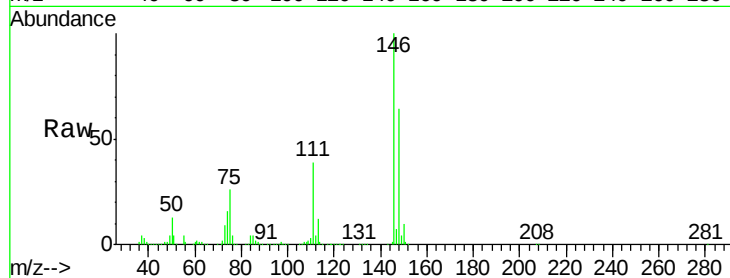
#91
 1,2-Dichlorobenzene
 Concen: 48.580 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	64.4	32.2	96.6

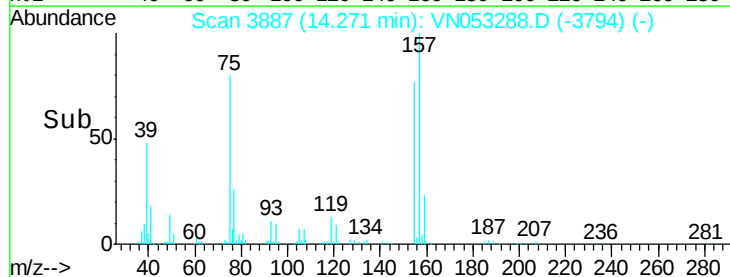
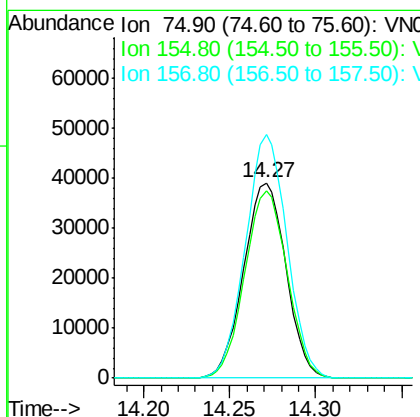
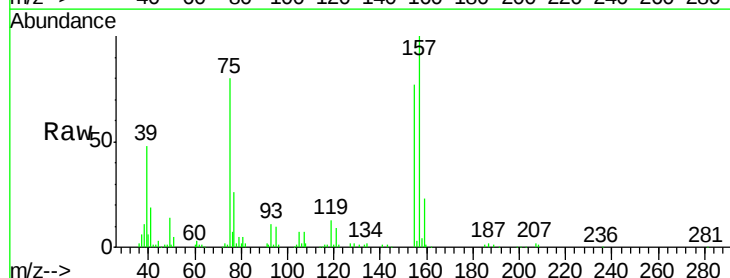
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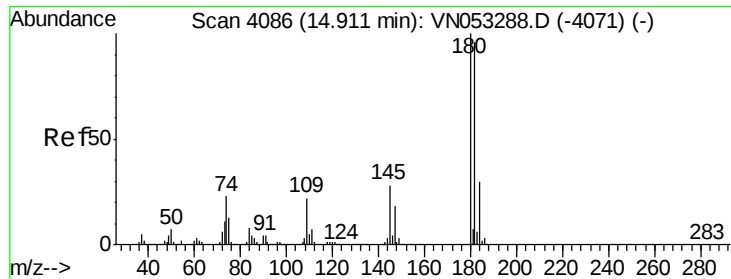
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.444 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	48.1	144.3
157	122.9	61.5	184.4





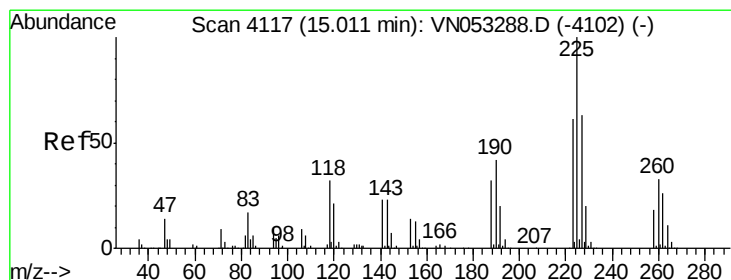
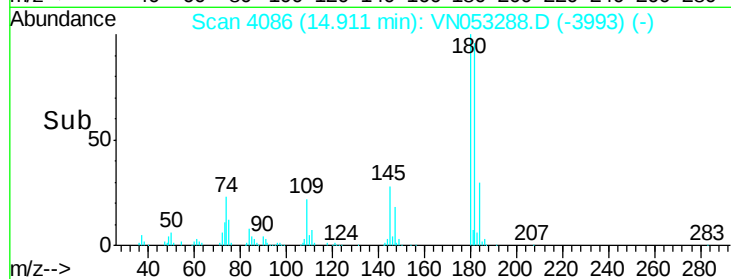
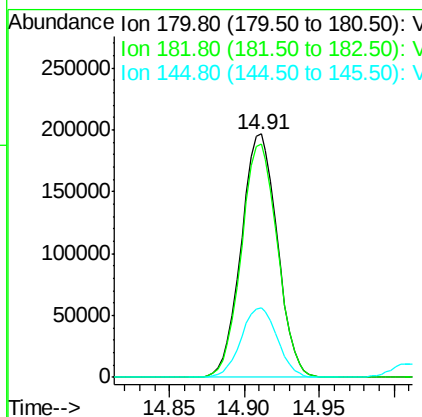
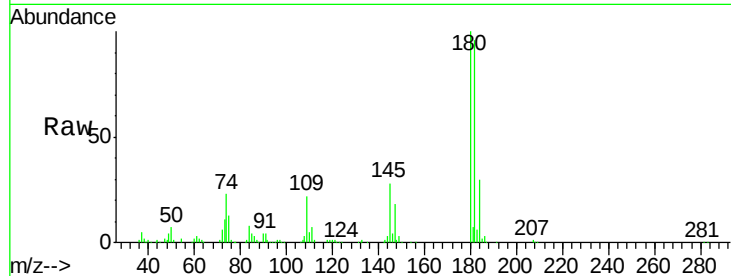
#93
 1,2,4-Trichlorobenzene
 Concen: 28.599 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.8	143.4	
145	28.7	14.4	43.0	

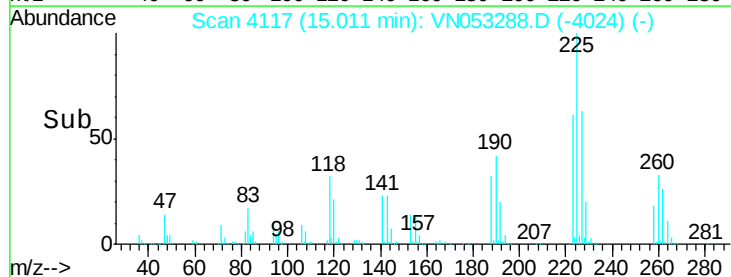
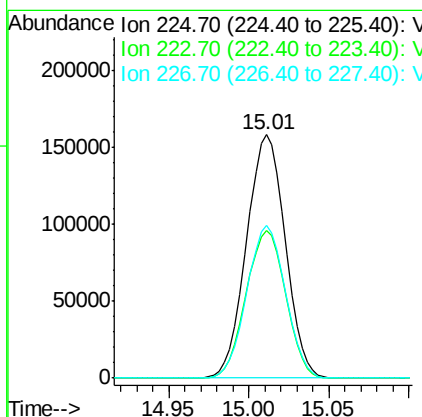
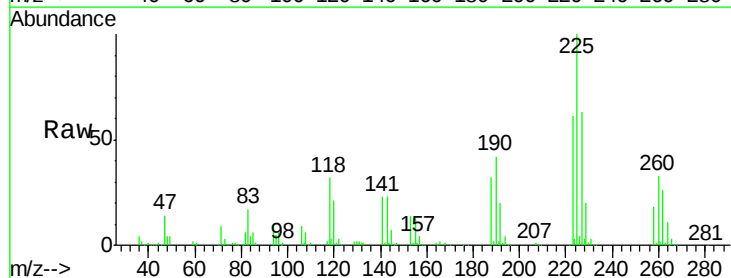
Manual Integrations
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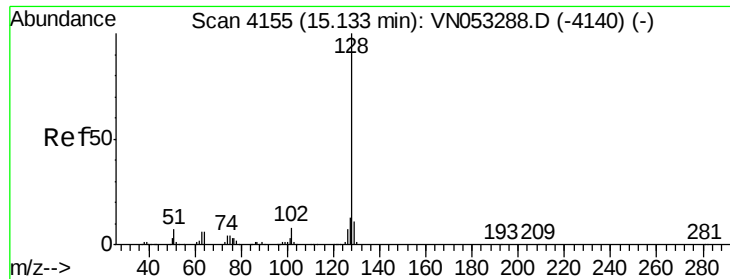
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#94
 Hexachlorobutadiene
 Concen: 37.451 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053288.D
 Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	30.9	92.8	
227	62.8	31.4	94.2	





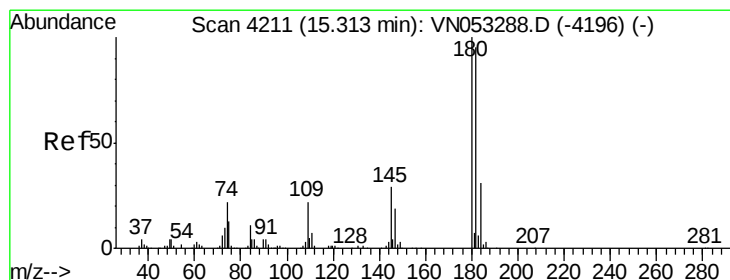
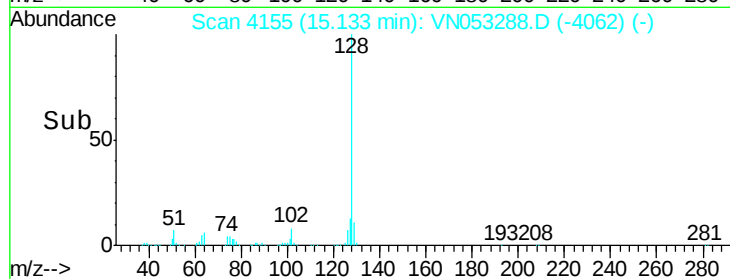
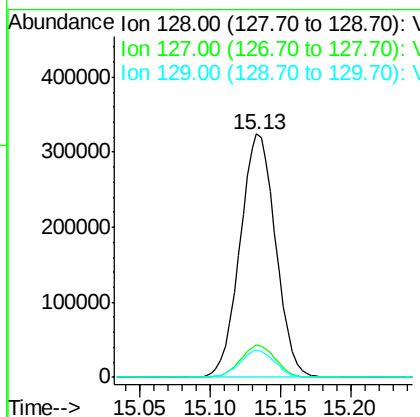
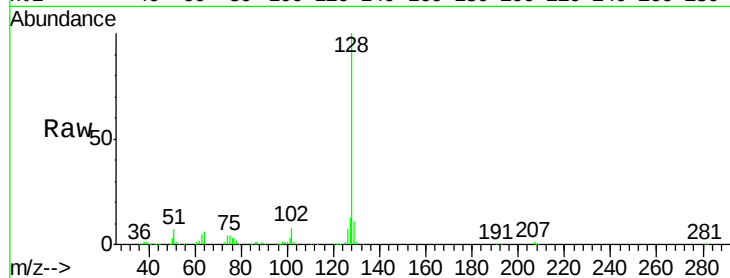
#95
Naphthalene
Concen: 22.887 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.250 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053288.D
Acq: 4 Jan 2019 18:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.0
145	29.7	14.9	44.5

