

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053291.D
 Acq On : 4 Jan 2019 20:23
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN010519

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:25 AM

Quant Time: Jan 08 10:22:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	955636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1459704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1308483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	620484	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	492074	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	413642	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	10.09	98	1787374	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	620871	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	427313	50.720	ug/l	99
3) Chloromethane	2.06	50	576090	48.965	ug/l	99
4) Vinyl Chloride	2.19	62	558092	49.699	ug/l	99
5) Bromomethane	2.57	94	371024	50.563	ug/l	99
6) Chloroethane	2.71	64	328252	48.429	ug/l	99
7) Trichlorofluoromethane	3.02	101	714071	49.093	ug/l	99
8) Diethyl Ether	3.41	74	284944	49.981	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	447421	48.536	ug/l	99
10) Methyl Iodide	3.96	142	669829	51.837	ug/l	100
11) Tert butyl alcohol	4.78	59	150944	252.415	ug/l	99
12) 1,1-Dichloroethene	3.74	96	448635	50.314	ug/l	100
13) Acrolein	3.61	56	205669	273.539	ug/l	100
14) Allyl chloride	4.33	41	743379	51.726	ug/l	96
15) Acrylonitrile	4.99	53	886199	248.248	ug/l	100
16) Acetone	3.82	43	569937	238.082	ug/l	98
17) Carbon Disulfide	4.06	76	1379528	50.182	ug/l	99
18) Methyl Acetate	4.33	43	410453	45.616	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1268753	50.698	ug/l	99
20) Methylene Chloride	4.55	84	506986	47.479	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	478835	50.014	ug/l	100
22) Diisopropyl ether	5.95	45	1546436	49.949	ug/l	98
23) Vinyl Acetate	5.90	43	5013592	257.363	ug/l	100
24) 1,1-Dichloroethane	5.85	63	883149	49.458	ug/l	99
25) 2-Butanone	6.83	43	972617	238.452	ug/l	100
26) 2,2-Dichloropropane	6.83	77	631671	48.393	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	551061	50.402	ug/l	99
28) Bromochloromethane	7.20	49	391176	51.407	ug/l	99
29) Tetrahydrofuran	7.21	42	657746	244.362	ug/l	99
30) Chloroform	7.37	83	865152	49.225	ug/l	98
31) Cyclohexane	7.66	56	835983	49.264	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	731396	49.939	ug/l	99
36) 1,1-Dichloropropene	7.80	75	681382	50.001	ug/l	100
37) Ethyl Acetate	6.93	43	441419	49.730	ug/l	100
38) Carbon Tetrachloride	7.78	117	635756	50.545	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	793154	50.240	ug/l	99
40) Benzene	8.04	78	2065760	49.626	ug/l	100
41) Methacrylonitrile	7.18	41	270762	49.134	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	604503	48.958	ug/l	100
43) Isopropyl Acetate	8.17	43	815258	46.688	ug/l	99
44) Trichloroethene	8.84	130	558758	48.885	ug/l	98
45) 1,2-Dichloropropane	9.12	63	543063	49.742	ug/l	98
46) Dibromomethane	9.21	93	318787	50.079	ug/l	100
47) Bromodichloromethane	9.40	83	661779	49.886	ug/l	99
48) Methyl methacrylate	9.20	41	402266	50.707	ug/l	100
49) 1,4-Dioxane	9.20	88	85149	1007.421	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2180250	248.285	ug/l	100
52) Toluene	10.16	92	1277298	50.016	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	703262	51.822	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	807797	51.512	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	459683	48.954	ug/l	99
56) Ethyl methacrylate	10.43	69	639980	52.447	ug/l	100
57) 1,3-Dichloropropane	10.71	76	788553	50.217	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1659654	251.579	ug/l	99
59) 2-Hexanone	10.75	43	1490442	247.723	ug/l	99
60) Dibromochloromethane	10.90	129	511132	50.468	ug/l	99
61) 1,2-Dibromoethane	11.01	107	467444	50.445	ug/l	99
64) Tetrachloroethene	10.63	164	594664	48.286	ug/l	99
65) Chlorobenzene	11.43	112	1409086	49.572	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	496467	49.900	ug/l	99
67) Ethyl Benzene	11.51	91	2440547	50.528	ug/l	100
68) m/p-Xylenes	11.62	106	1856211	102.201	ug/l	100
69) o-Xylene	11.95	106	897976	50.502	ug/l	99
70) Styrene	11.96	104	1493876	51.622	ug/l	100
71) Bromoform	12.13	173	358300	50.985	ug/l #	99
73) Isopropylbenzene	12.25	105	2372123	51.348	ug/l	100
74) N-amyl acetate	12.07	43	723581	52.453	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	533546	50.207	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	467644m	51.673	ug/l	
77) Bromobenzene	12.53	156	619304	50.229	ug/l	99
78) n-propylbenzene	12.59	91	2699282	51.656	ug/l	100
79) 2-Chlorotoluene	12.67	91	1601181	50.640	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1910598	51.344	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	165413	53.775	ug/l	99
82) 4-Chlorotoluene	12.77	91	1650100	50.894	ug/l	100
83) tert-Butylbenzene	12.99	119	1668063	51.092	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1947198	51.364	ug/l	100
85) sec-Butylbenzene	13.17	105	2212740	51.392	ug/l	100
86) p-Isopropyltoluene	13.29	119	1936041	51.934	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1084588	49.952	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1071880	49.766	ug/l	100
89) n-Butylbenzene	13.62	91	1590309	50.882	ug/l	100
90) Hexachloroethane	13.88	117	306366	51.273	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1019178	50.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64774	50.253	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	333798	52.198	ug/l	99
94) Hexachlorobutadiene	15.01	225	261447	49.984	ug/l	99
95) Naphthalene	15.13	128	581164	53.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	218979	52.302	ug/l	100

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

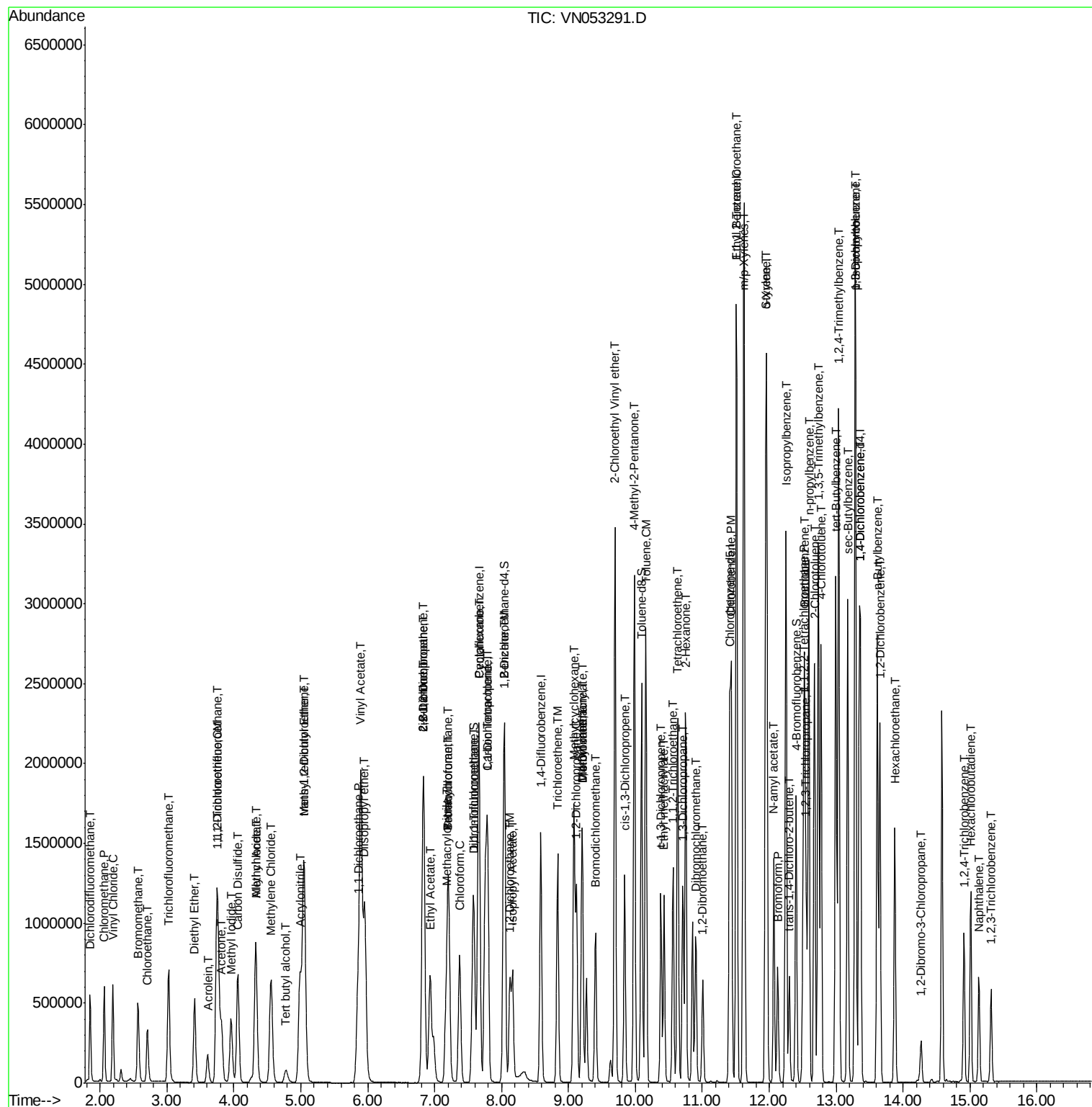
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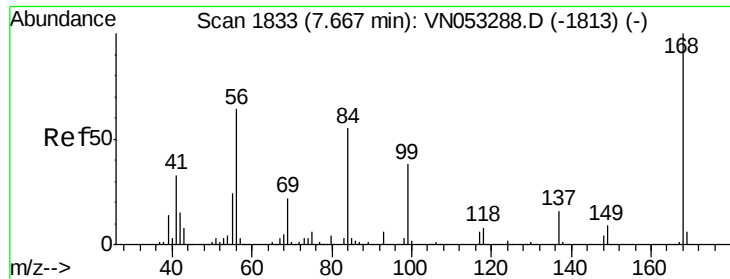
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN010519

Tot Ion:168 Resp: 955636

Ion Ratio Lower Upper

168 100

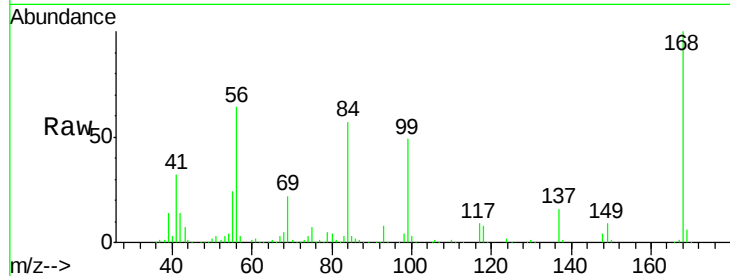
99 49.0 39.1 58.7

Manual Integrations

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1/8/2019 10:24:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

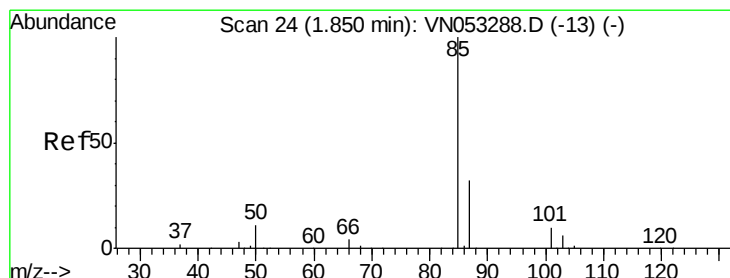
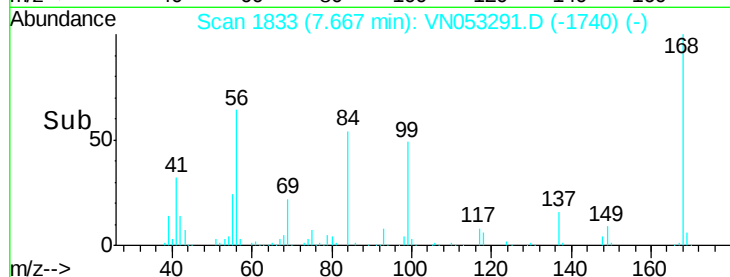
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.720 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053291.D

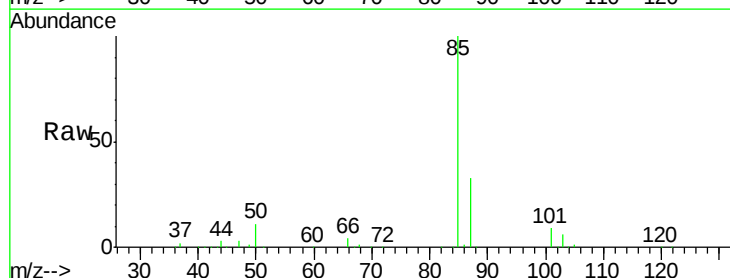
Acq: 4 Jan 2019 20:23

Tgt Ion: 85 Resp: 427313

Ion Ratio Lower Upper

85 100

87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

300000

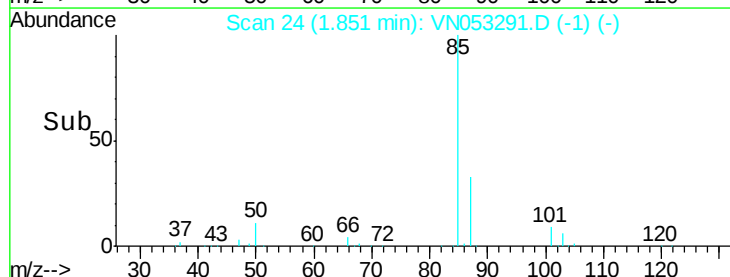
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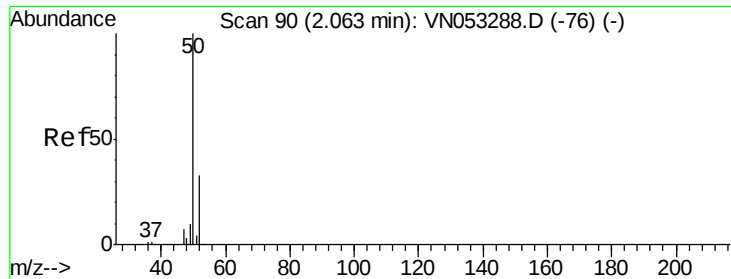
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.965 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

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ClientSampleId :

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Tot Ion: 50 Resp: 576090

Ion Ratio Lower Upper

50 100

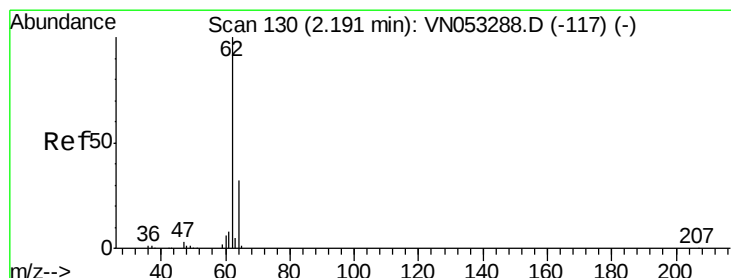
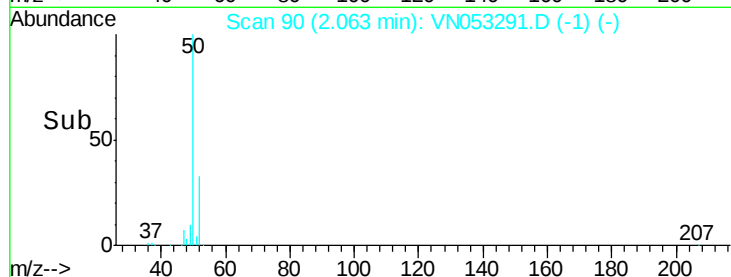
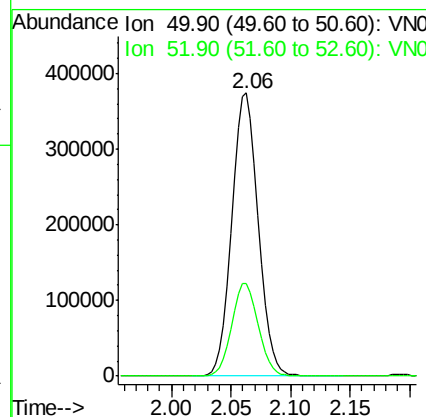
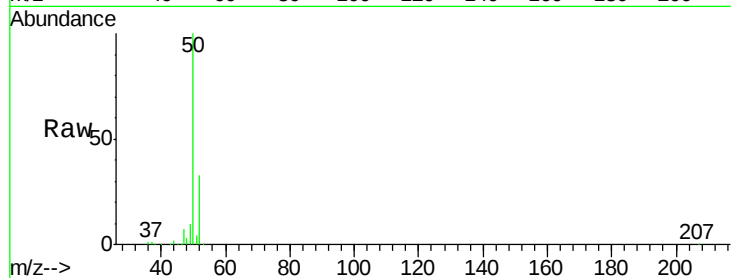
52 32.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.699 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053291.D

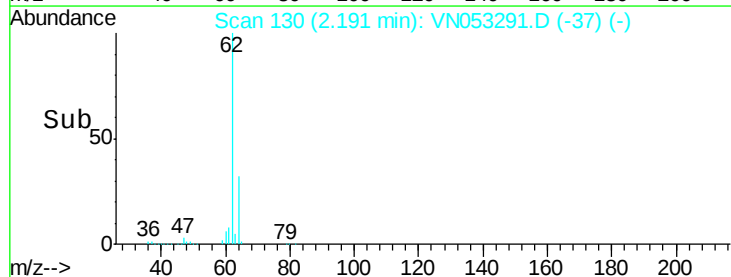
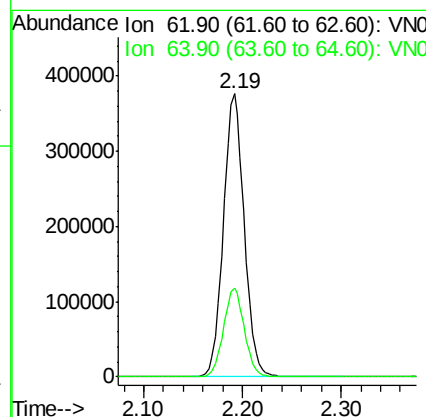
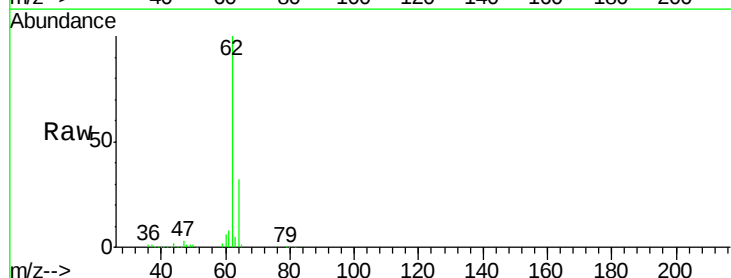
Acq: 4 Jan 2019 20:23

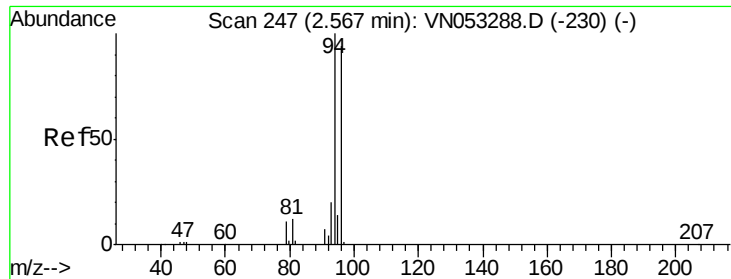
Tgt Ion: 62 Resp: 558092

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 50.563 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

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Tot Ion: 94 Resp: 371024

Ion Ratio Lower Upper

94 100

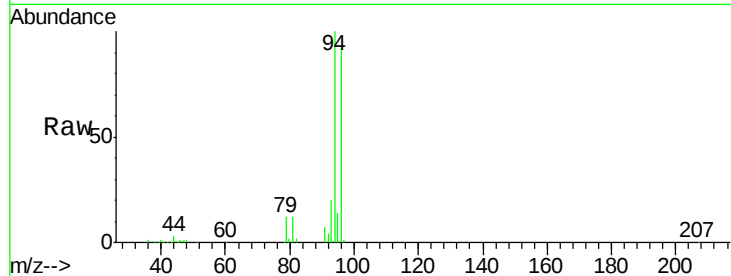
96 92.5 74.9 112.3

Manual Integrations

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1/8/2019 10:24:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

200000

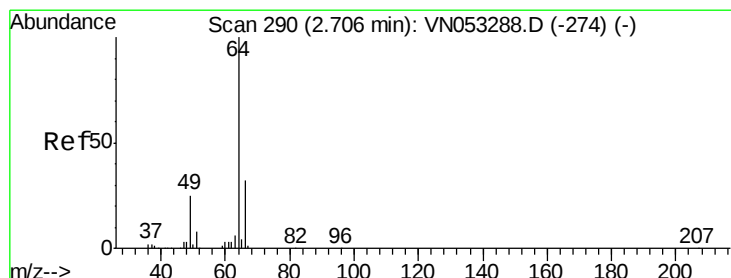
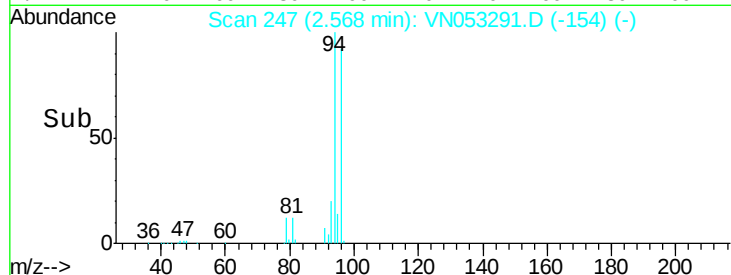
150000

100000

50000

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Time-->



#6

Chloroethane

Concen: 48.429 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053291.D

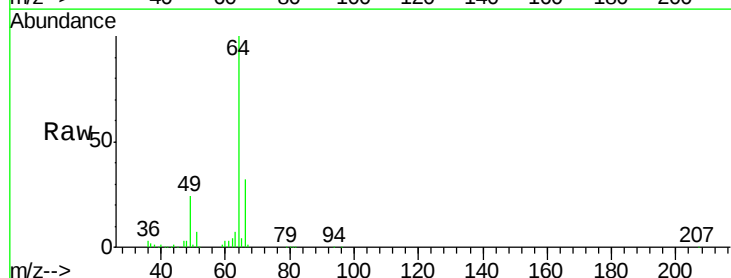
Acq: 4 Jan 2019 20:23

Tgt Ion: 64 Resp: 328252

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.71

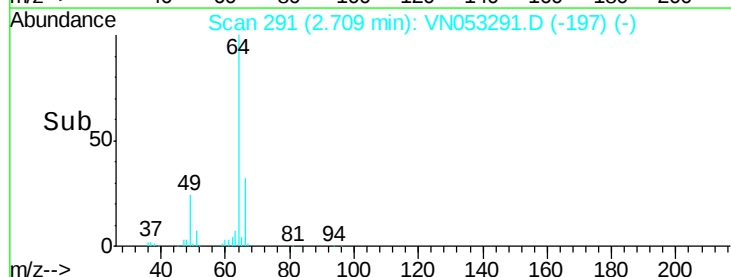
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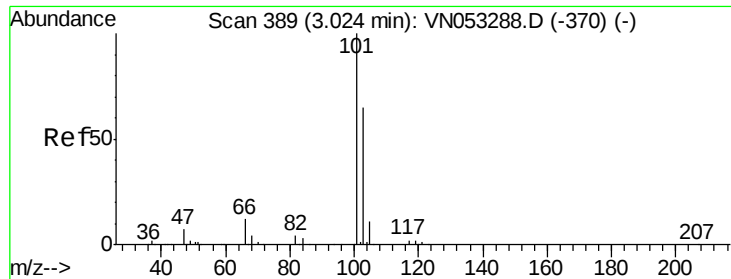
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Time-->





#7

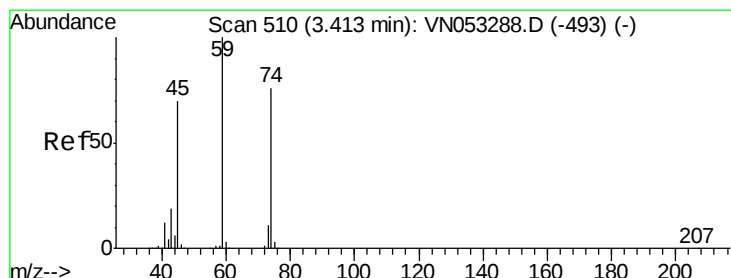
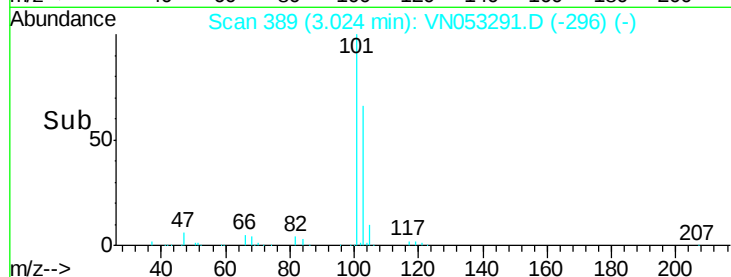
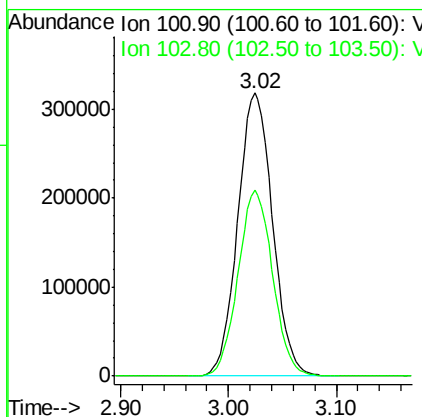
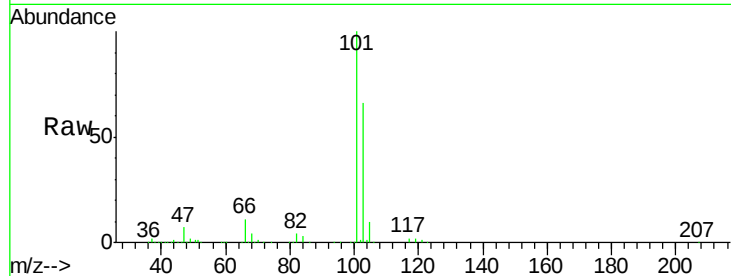
Trichlorofluoromethane
 Concen: 49.093 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053291.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.1	78.1

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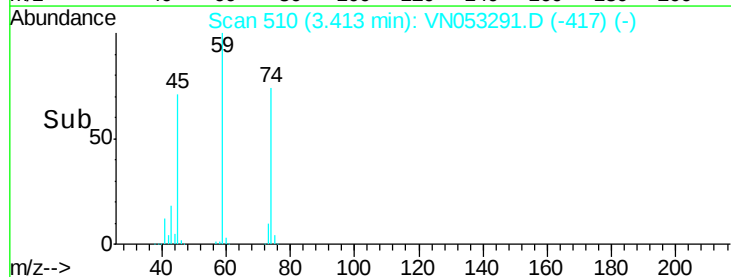
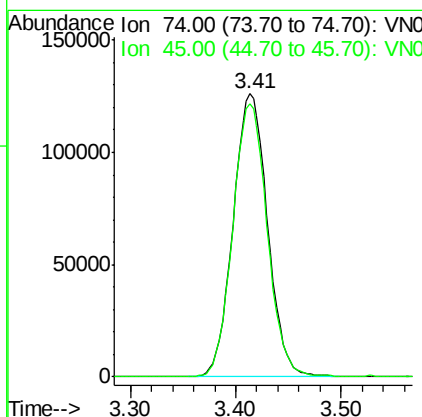
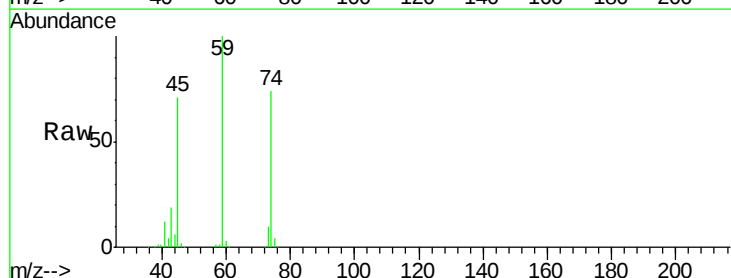
MMDadoda
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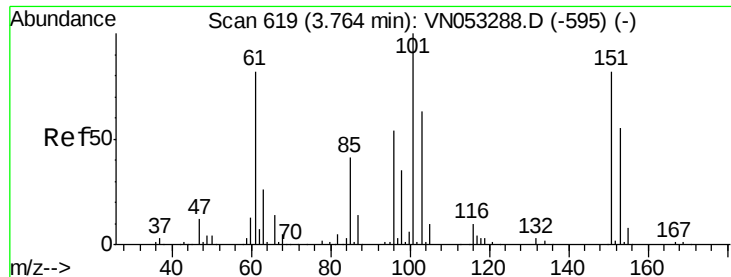


#8

Diethyl Ether
 Concen: 49.981 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.536 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

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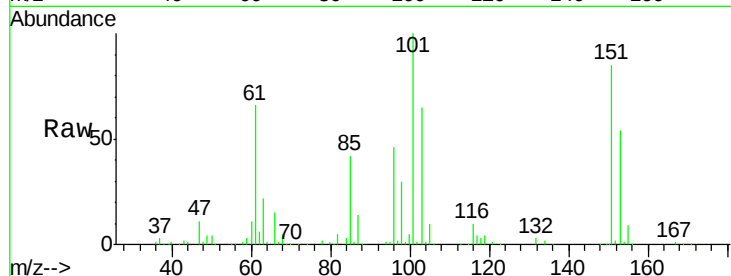
ClientSampleId :

ICVVN010519

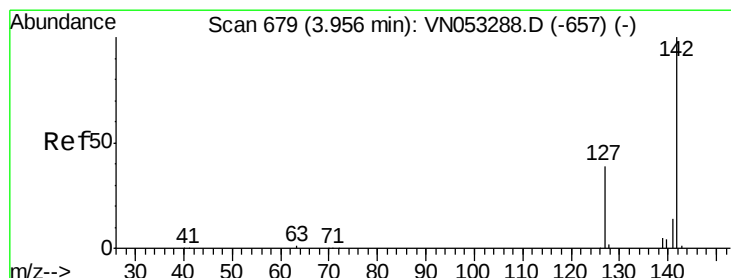
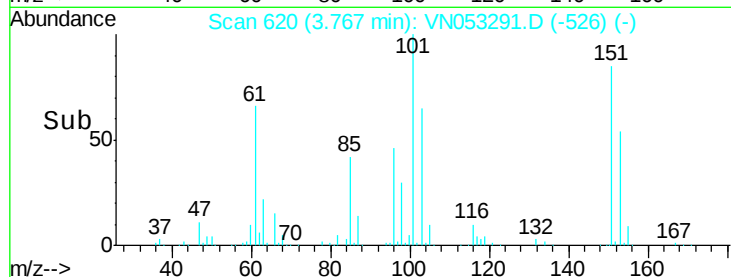
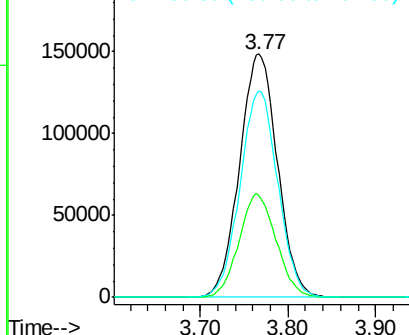
Tot Ion:	101	Resp:	447421
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.3	49.9
151	84.4	67.0	100.4

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



#10

Methyl Iodide

Concen: 51.837 ug/l

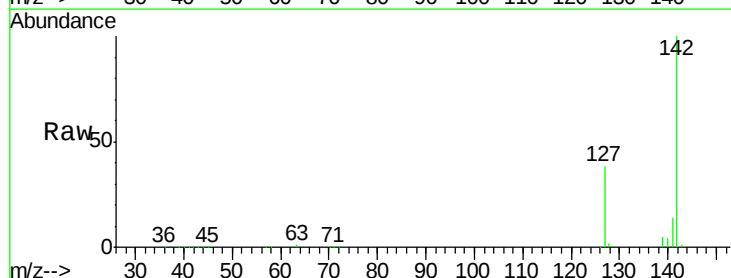
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

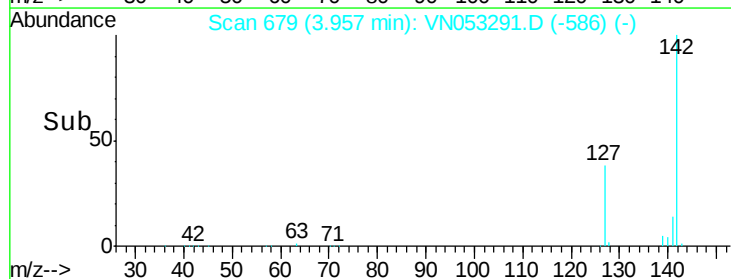
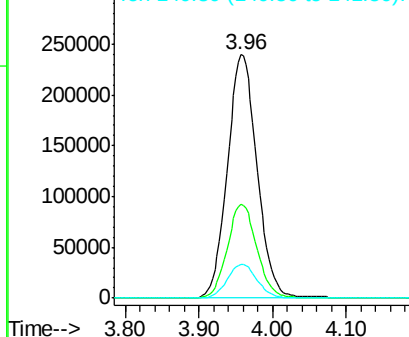
Lab File: VN053291.D

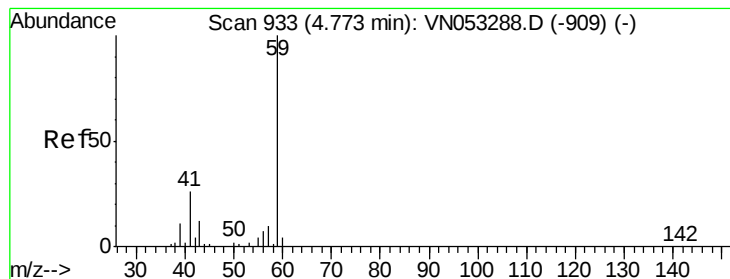
Acq: 4 Jan 2019 20:23

Tgt Ion:	142	Resp:	669829
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.9	46.3
141	14.0	11.2	16.8



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





#11

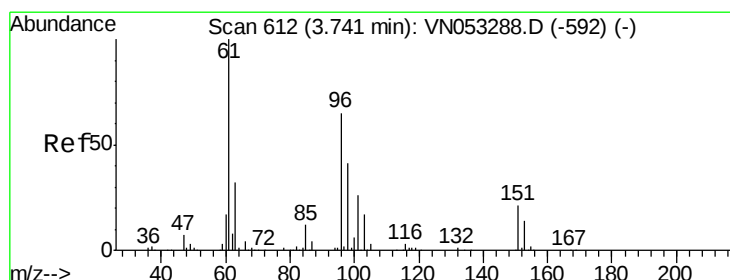
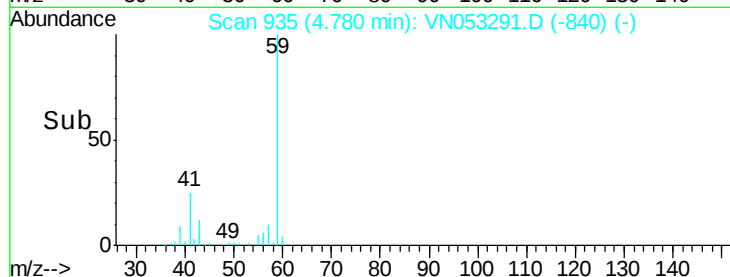
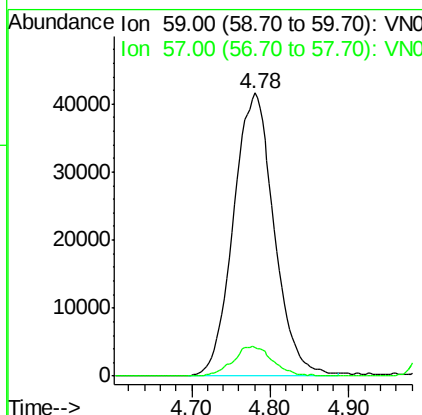
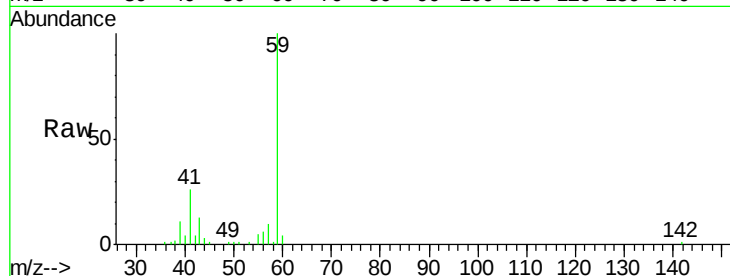
Tert butyl alcohol
 Concen: 252.415 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN010519

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.0	12.0

Manual Integrations
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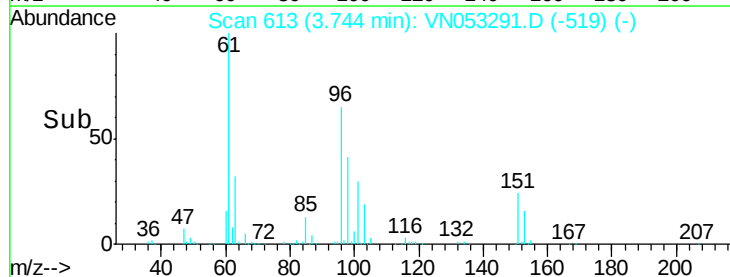
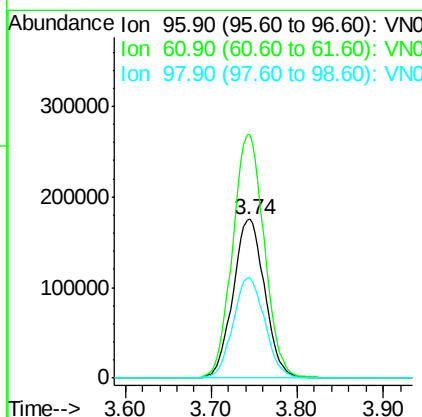
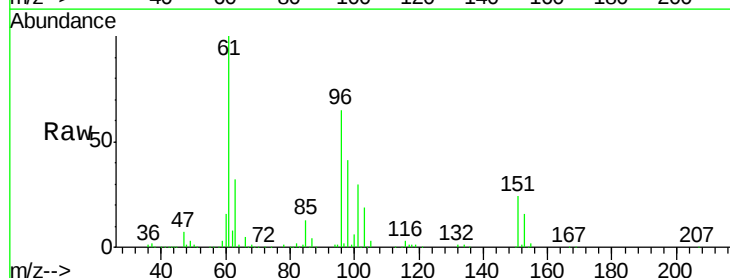
MMDadoda
 1/8/2019 10:24:25 AM

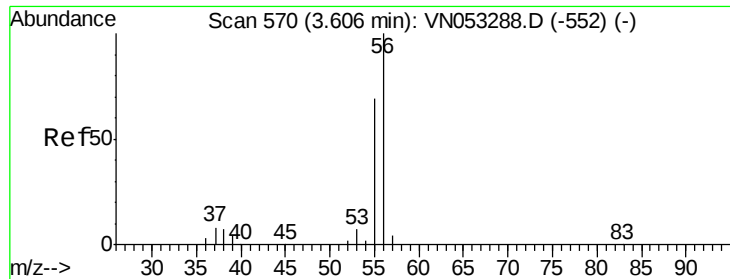


#12

1,1-Dichloroethene
 Concen: 50.314 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	123.2	184.8
98	63.3	50.5	75.7





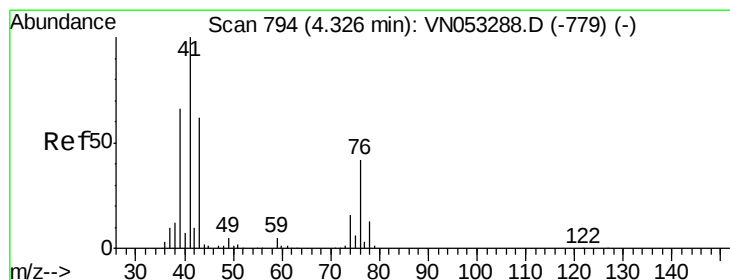
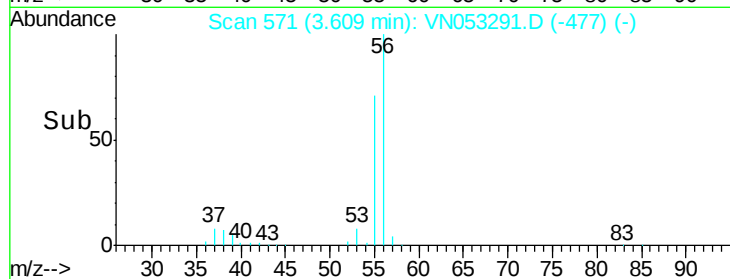
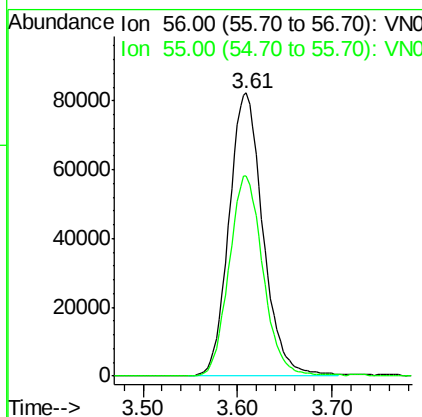
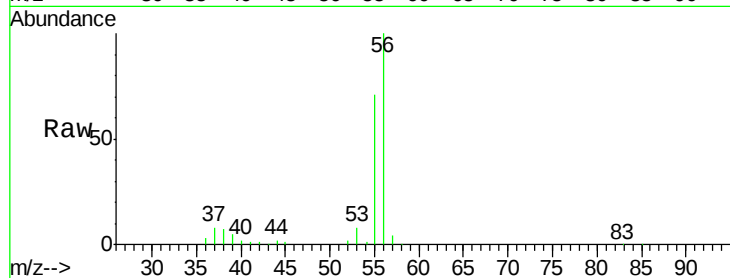
#13
Acrolein
Concen: 273.539 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion	56	55	Ratio	100	70.6	Resp	205669	Lower	56.3	Upper	84.5
Ion											

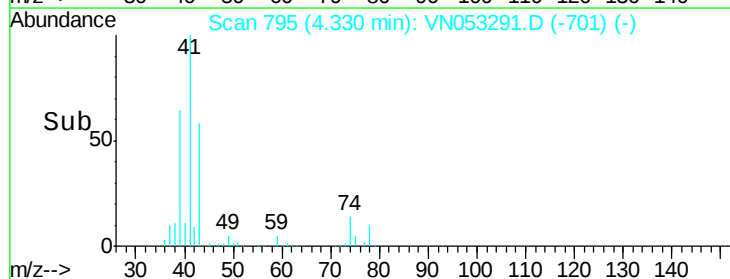
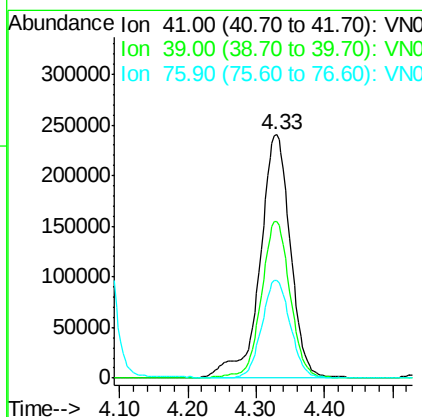
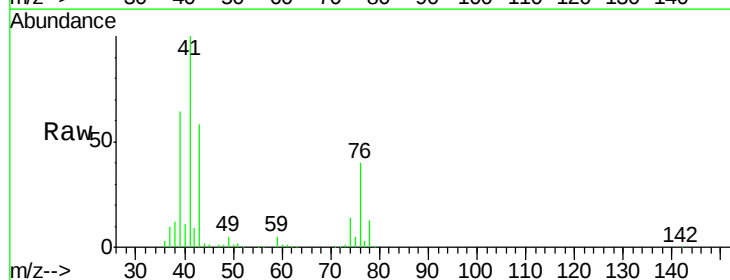
Manual Integrations
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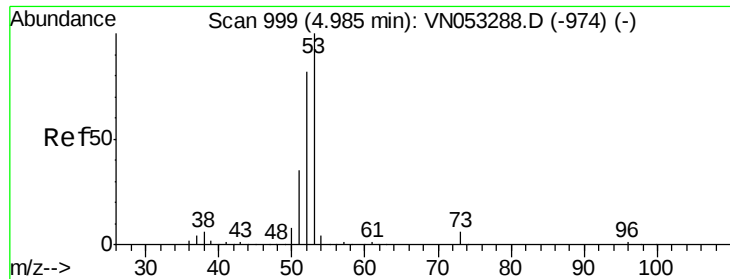
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#14
Allyl chloride
Concen: 51.726 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	41	39	76	Ratio	100	61.2	37.1	Resp	743379	Lower	51.9	Upper	77.9	46.8
Ion														





#15

Acrylonitrile

Concen: 248.248 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

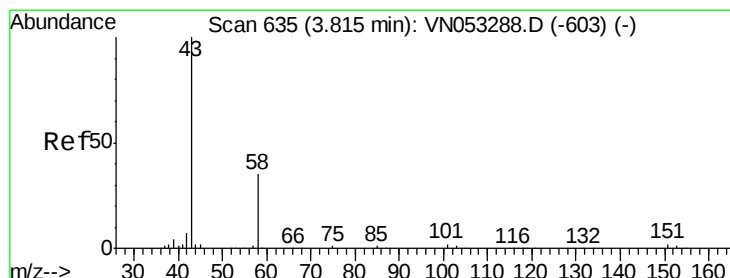
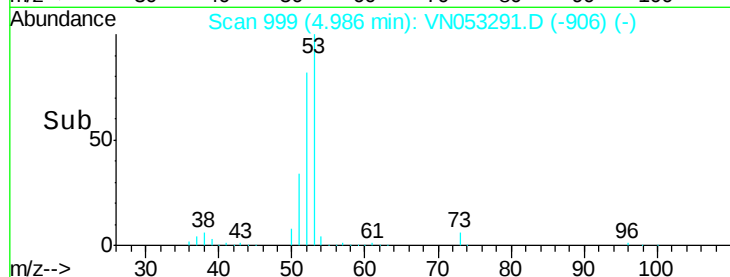
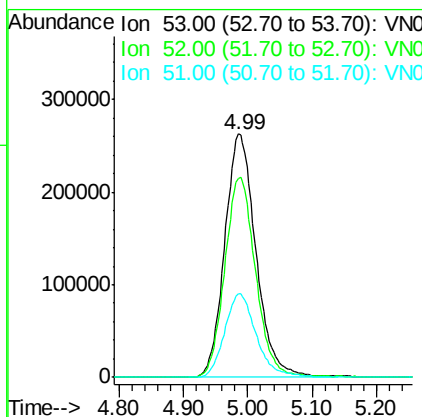
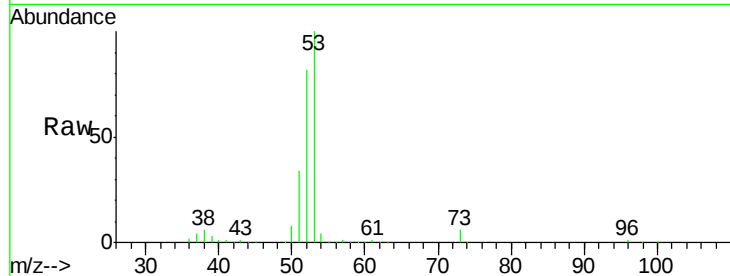
ClientSampleId :

ICVVN010519

Tot Ion:	53	Resp:	886199
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.2	97.8
51	34.9	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 238.082 ug/l

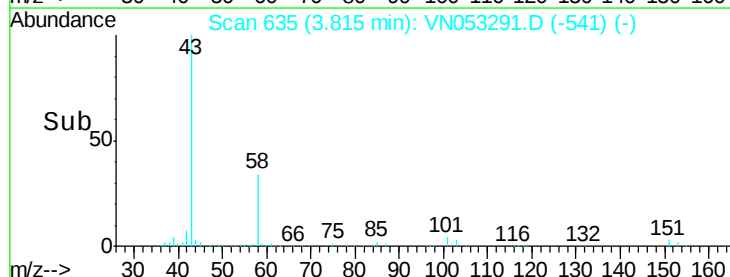
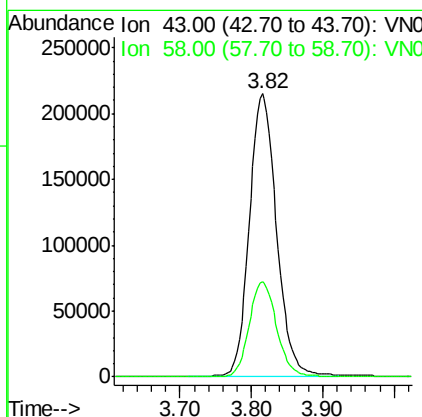
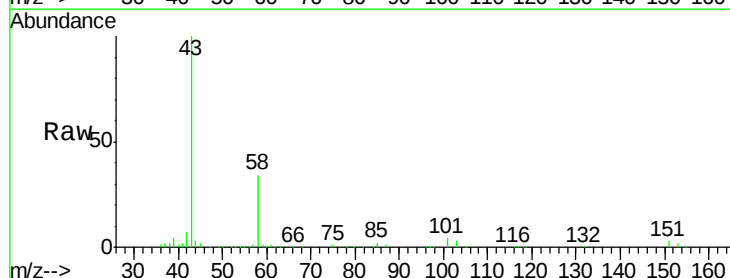
RT: 3.82 min Scan# 635

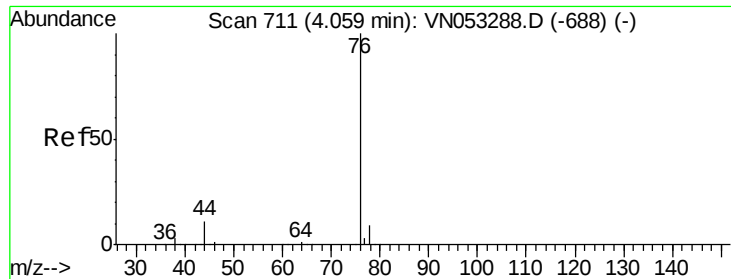
Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Tgt Ion:	43	Resp:	569937
Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.8	41.6





#17

Carbon Disulfide

Concen: 50.182 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN010519

Tot Ion: 76 Resp: 1379528

Ion Ratio Lower Upper

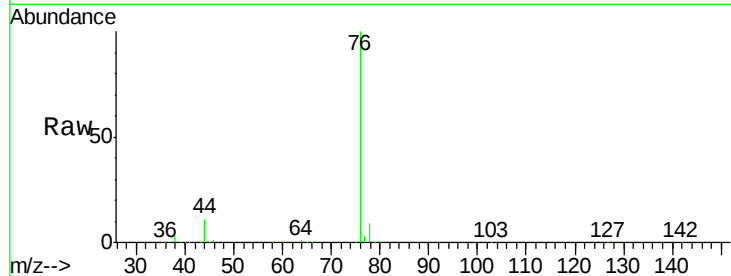
76 100

78 8.8 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VN053288.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN053291.D (-618) (-)

4.06

600000

500000

400000

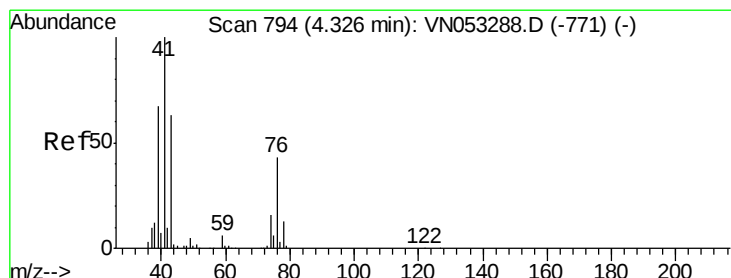
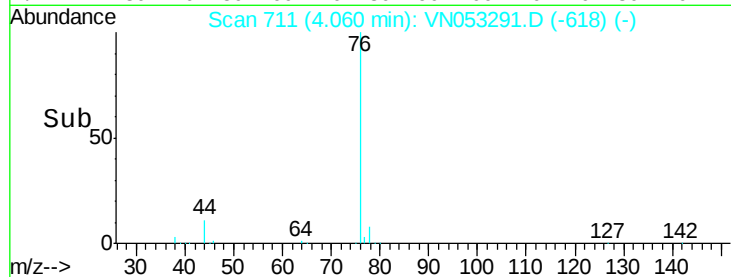
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 45.616 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053291.D

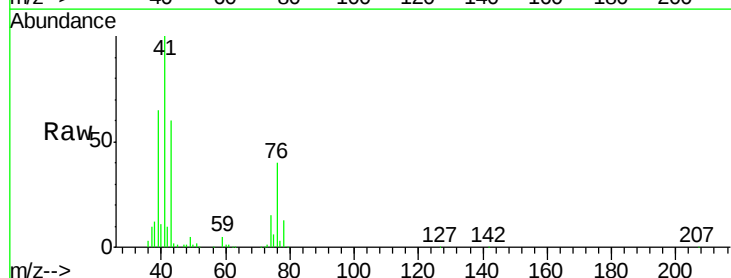
Acq: 4 Jan 2019 20:23

Tgt Ion: 43 Resp: 410453

Ion Ratio Lower Upper

43 100

74 24.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN053291.D (-701) (-)

4.33

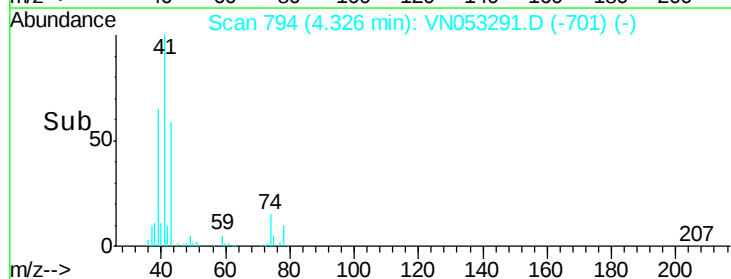
150000

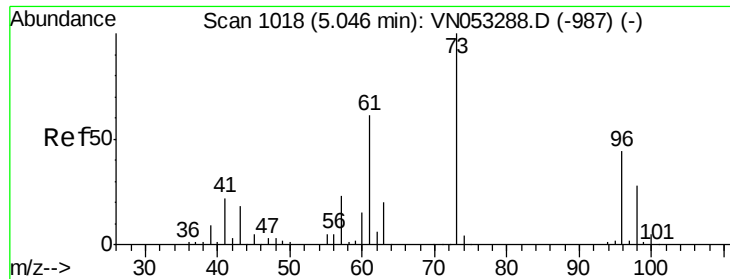
100000

50000

0

Time-->





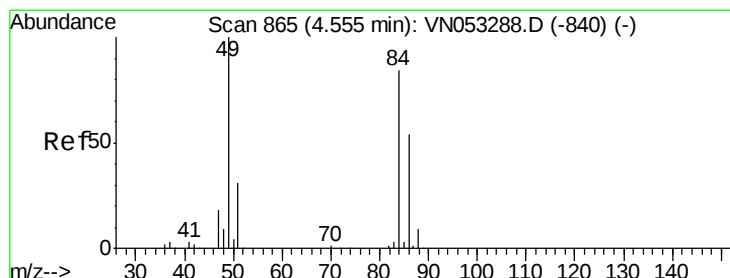
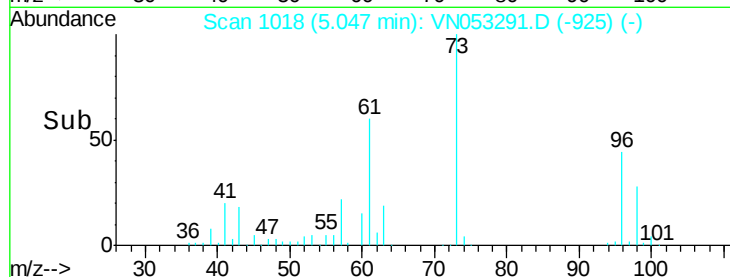
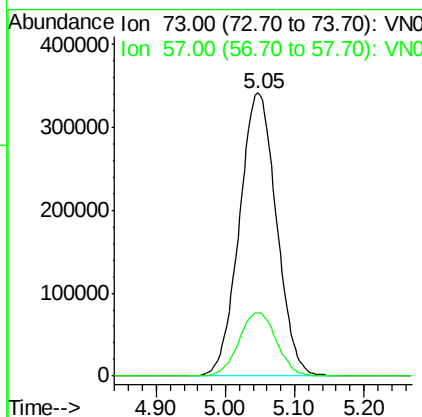
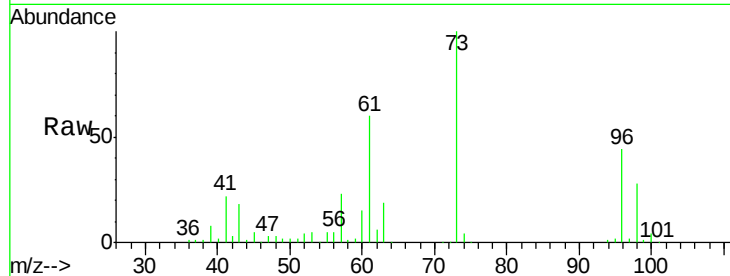
#19
Methyl tert-butyl Ether
Concen: 50.698 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion: 73 Resp: 1268753
Ion Ratio Lower Upper
73 100
57 22.5 18.5 27.7

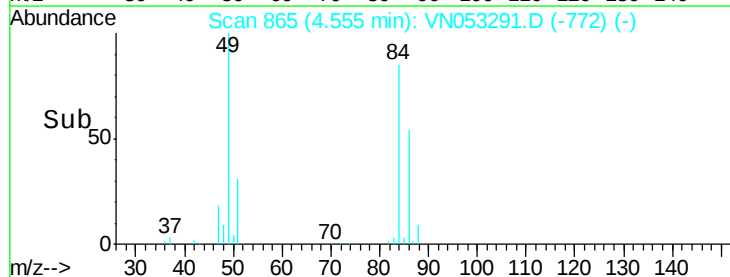
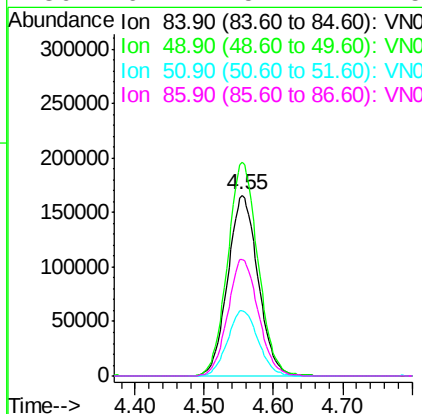
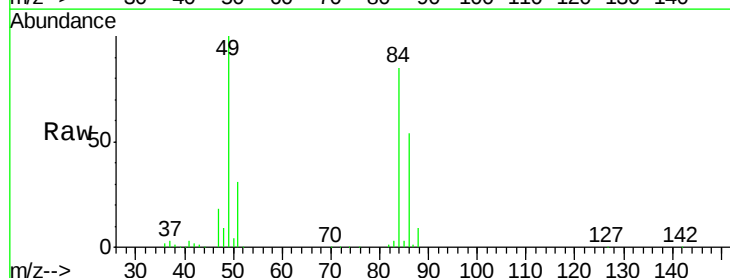
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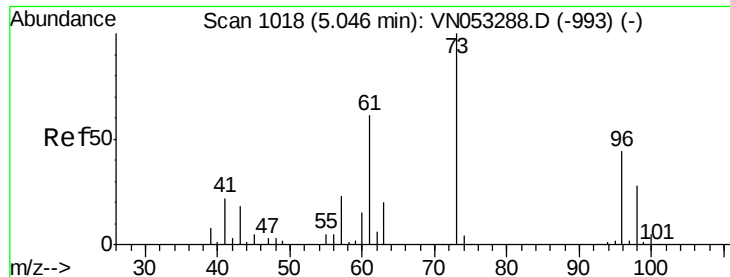
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#20
Methylene Chloride
Concen: 47.479 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion: 84 Resp: 506986
Ion Ratio Lower Upper
84 100
49 118.3 95.3 142.9
51 36.3 29.0 43.6
86 64.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 50.014 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN010519

Tot Ion: 96 Resp: 478835

Ion Ratio Lower Upper

96 100

61 137.4 110.2 165.4

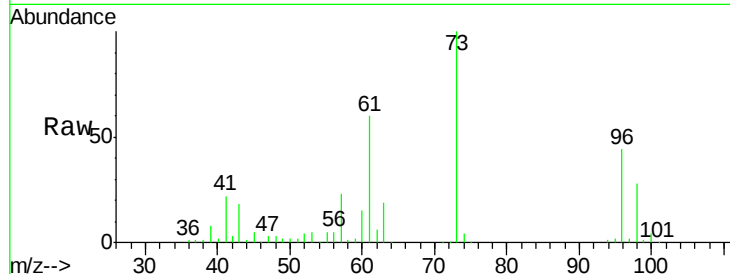
98 63.4 50.7 76.1

Manual Integrations

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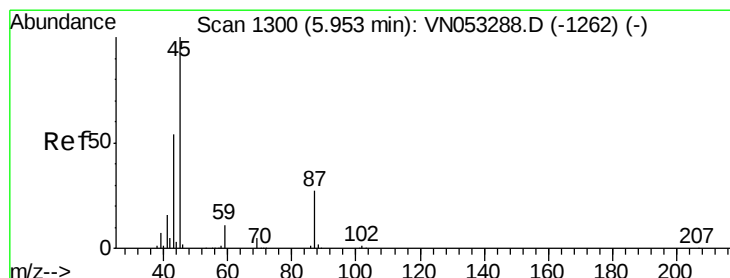
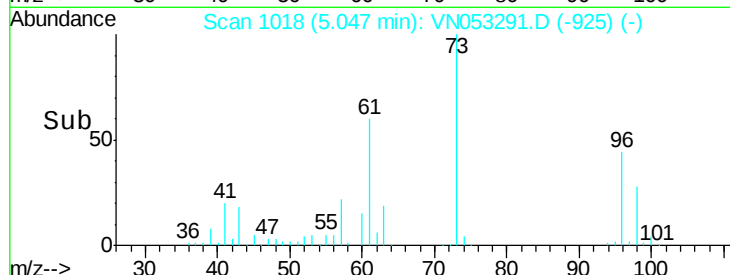
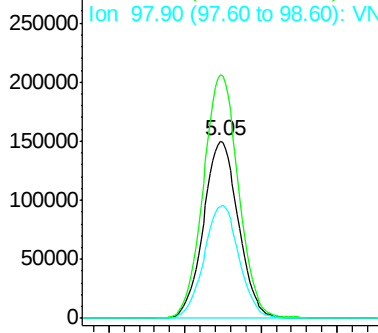


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.949 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Tgt Ion: 45 Resp: 1546436

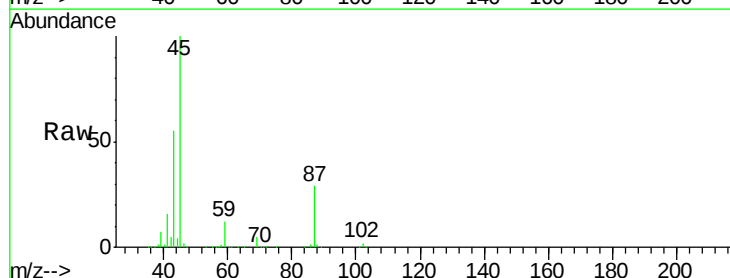
Ion Ratio Lower Upper

45 100

43 54.9 43.0 64.6

87 28.7 22.1 33.1

59 11.8 9.0 13.4



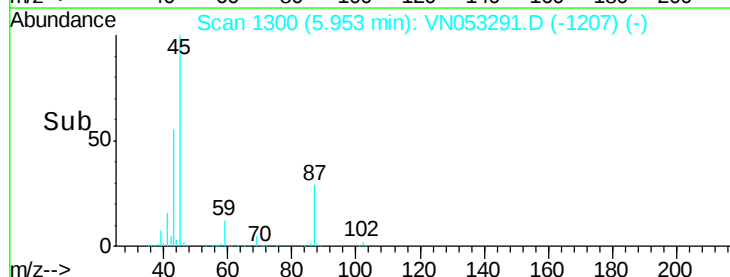
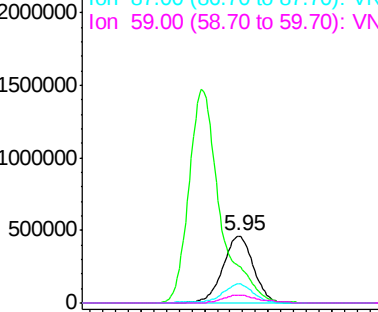
Abundance

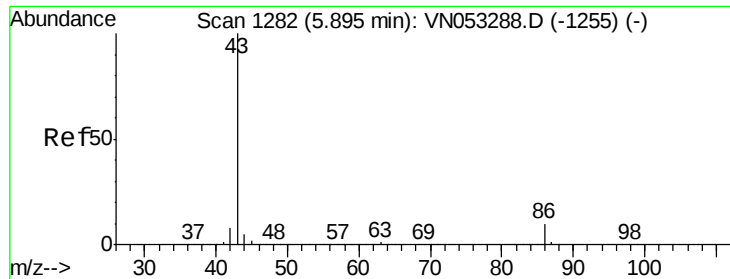
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 257.363 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN010519

Tot Ion: 43 Resp: 5013592

Ion Ratio Lower Upper

43 100

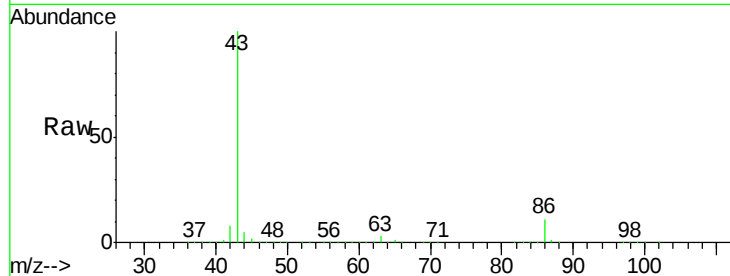
86 10.5 8.4 12.6

Manual Integrations

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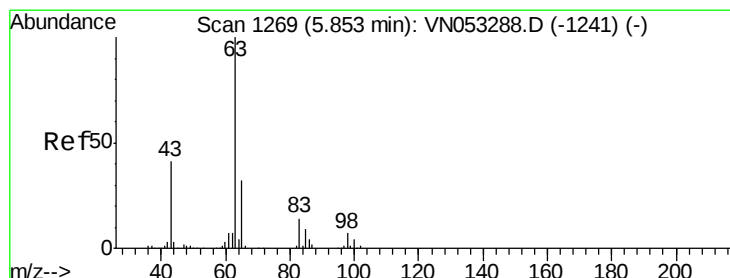
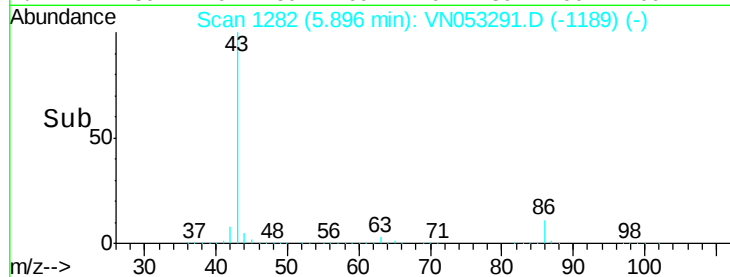
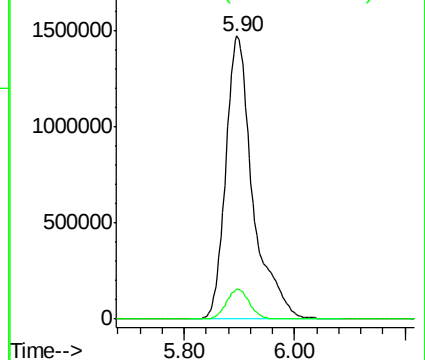
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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 49.458 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

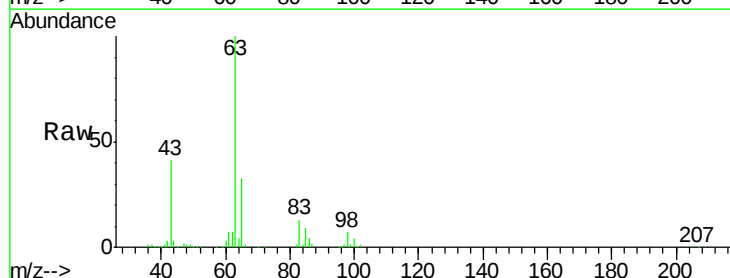
Tgt Ion: 63 Resp: 883149

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

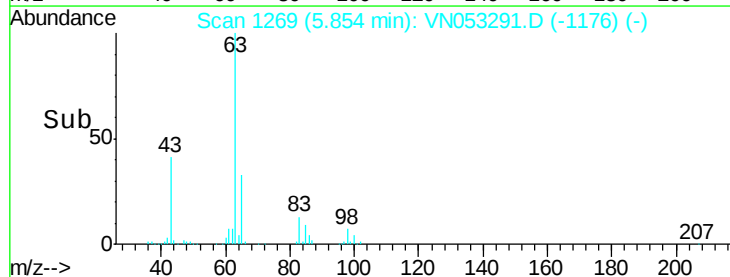
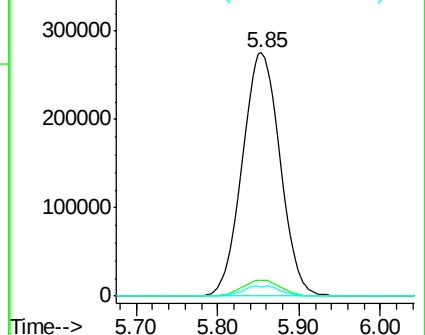
100 4.0 2.1 6.5

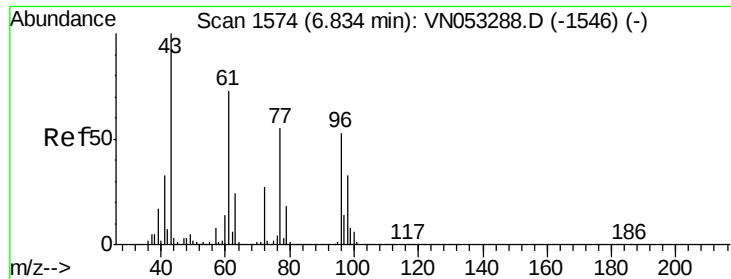


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





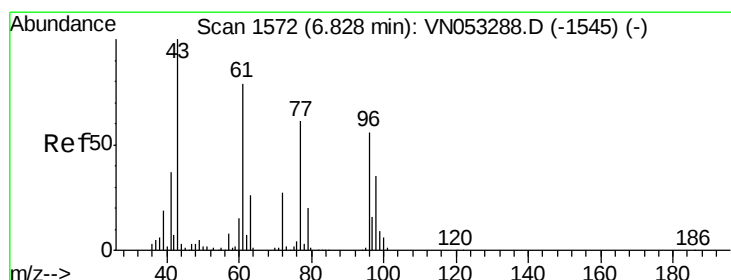
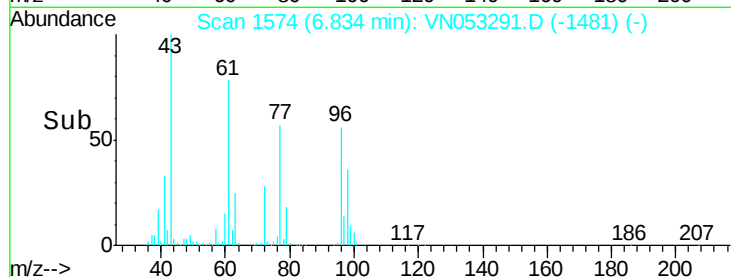
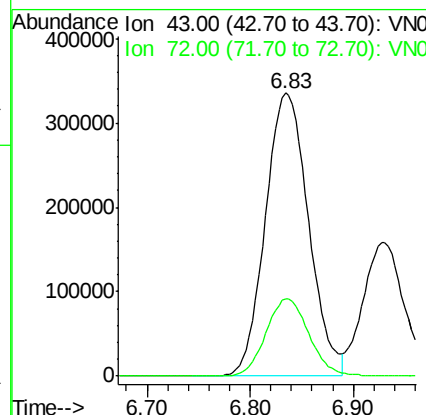
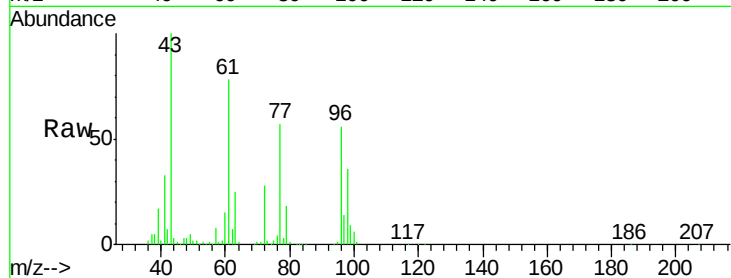
#25
2-Butanone
Concen: 238.452 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN010519

Tot Ion: 43 Resp: 972617
Ion Ratio Lower Upper
43 100
72 27.5 22.0 33.0

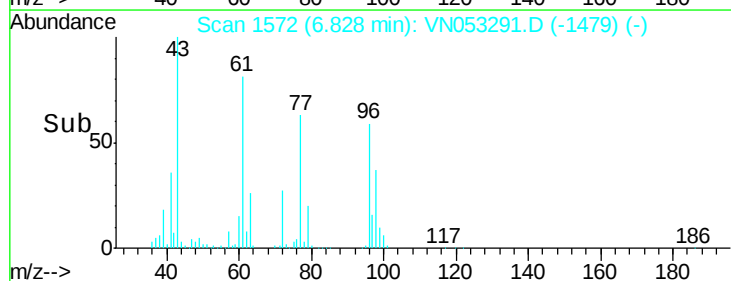
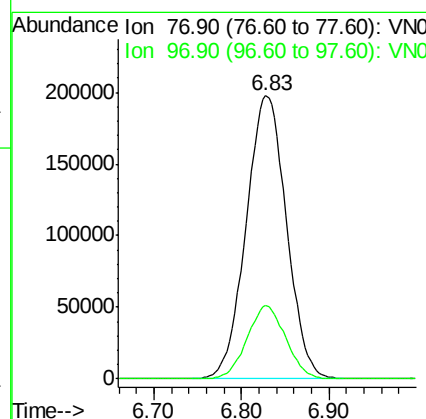
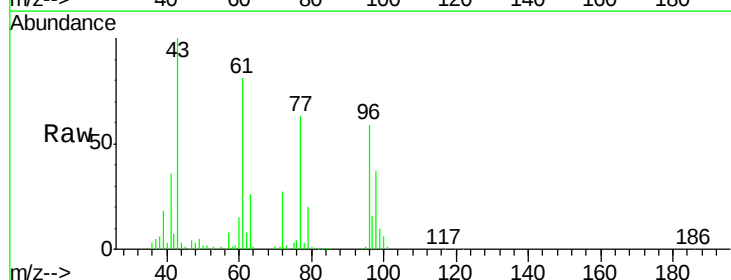
Manual Integrations
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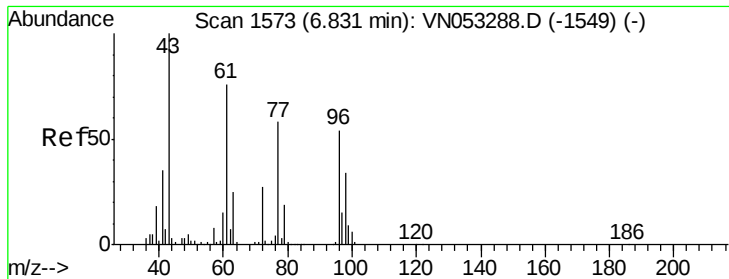
MMDadoda
1/8/2019 10:24:25 AM



#26
2,2-Dichloropropane
Concen: 48.393 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion: 77 Resp: 631671
Ion Ratio Lower Upper
77 100
97 24.9 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 50.402 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

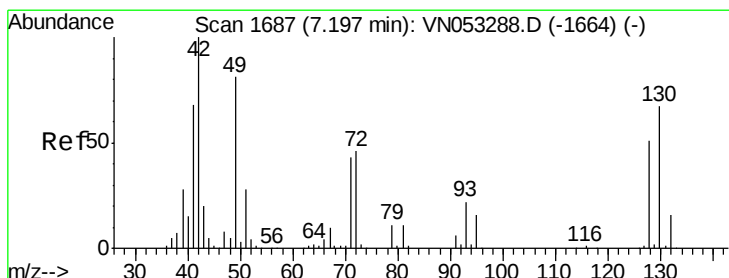
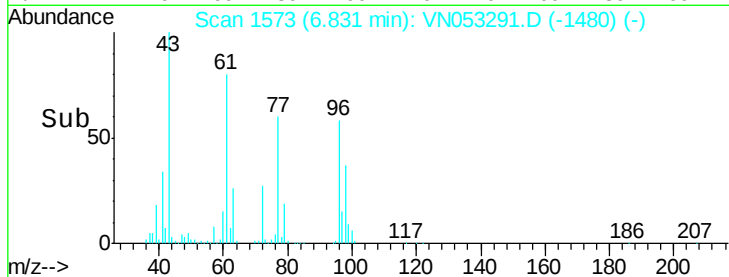
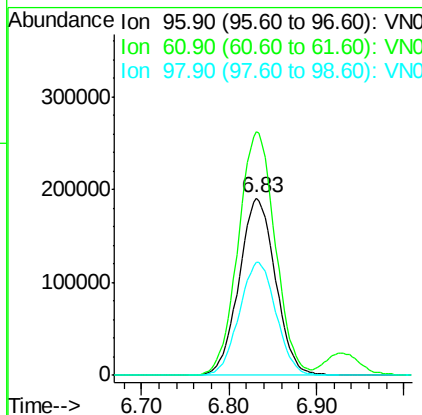
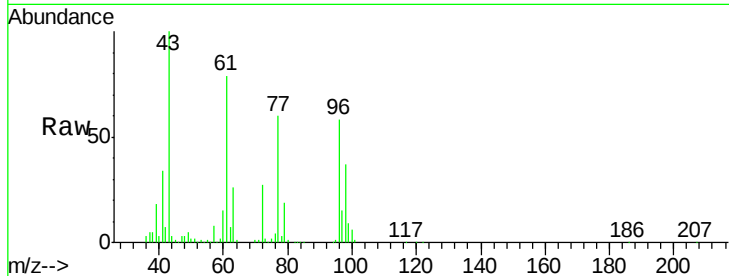
ClientSampleId :

ICVVN010519

Tot Ion:	96	Resp:	551061
Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	280.6
98	64.5	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 51.407 ug/l

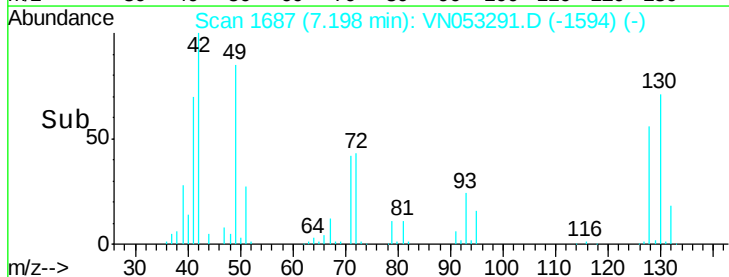
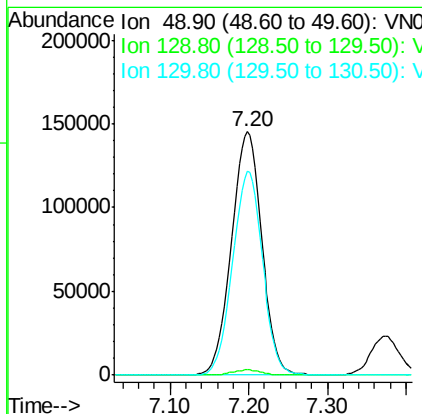
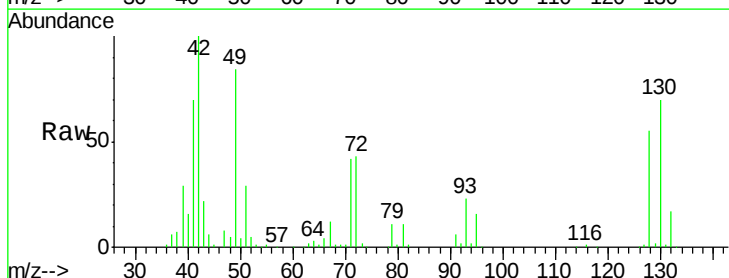
RT: 7.20 min Scan# 1687

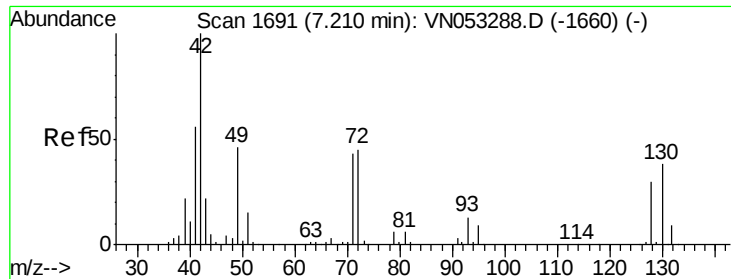
Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Tgt Ion:	49	Resp:	391176
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	82.7	65.4	98.0





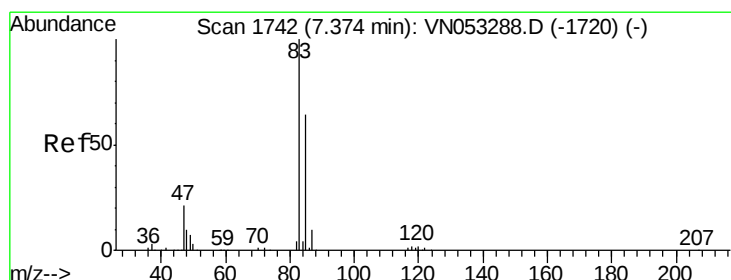
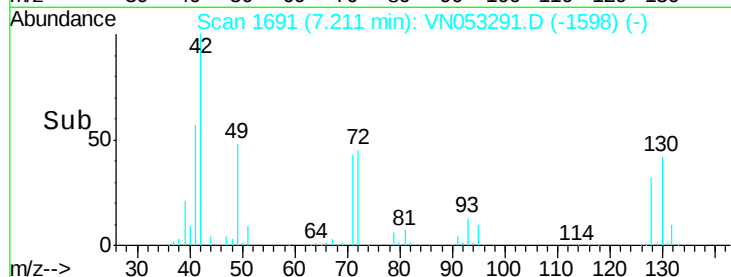
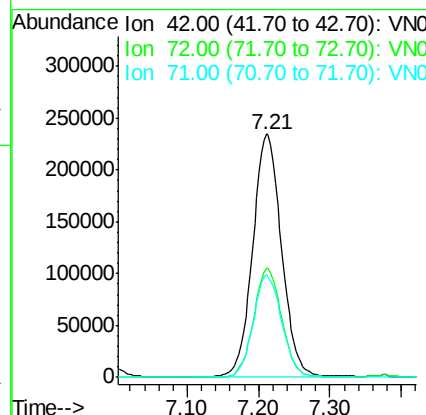
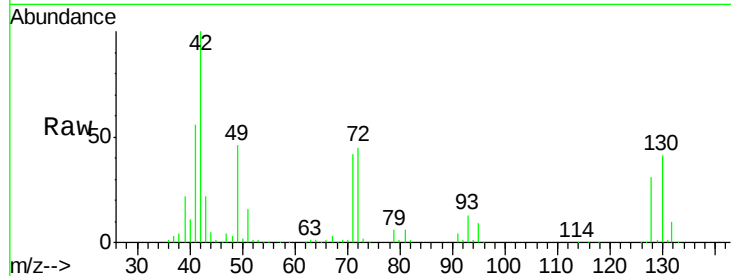
#29
Tetrahydrofuran
Concen: 244.362 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.6	53.4
71	41.8	33.8	50.8

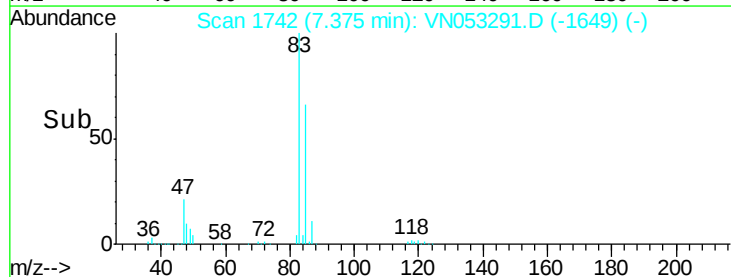
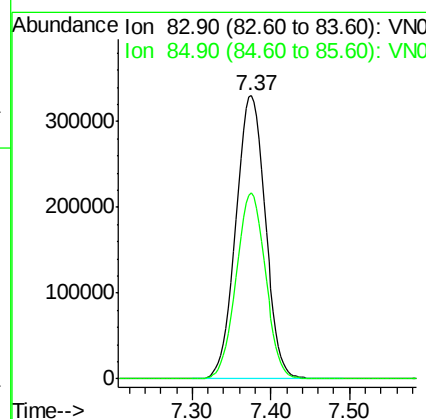
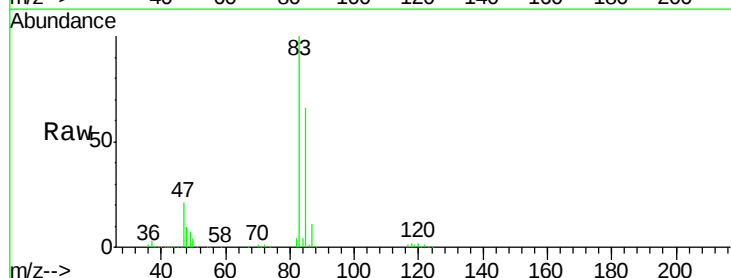
Manual Integrations
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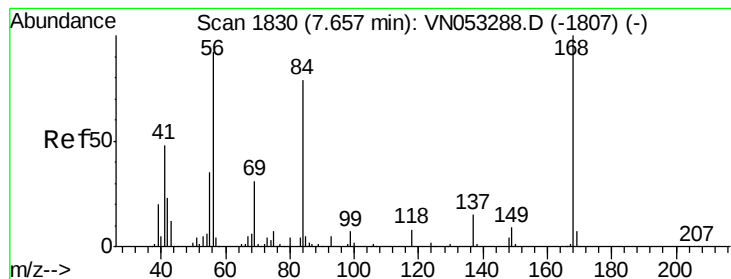
MMDadoda
1/8/2019 10:24:25 AM



#30
Chloroform
Concen: 49.225 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.3	76.9





#31

Cyclohexane

Concen: 49.264 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN010519

Tot Ion: 56 Resp: 835983

Ion Ratio Lower Upper

56 100

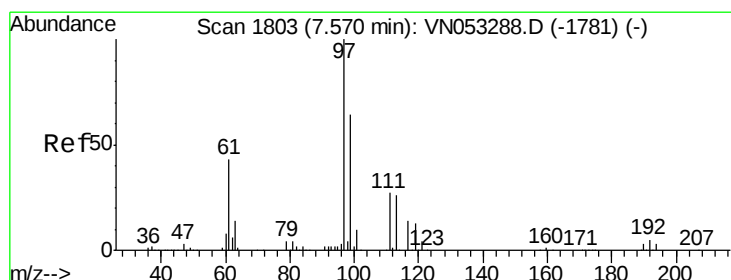
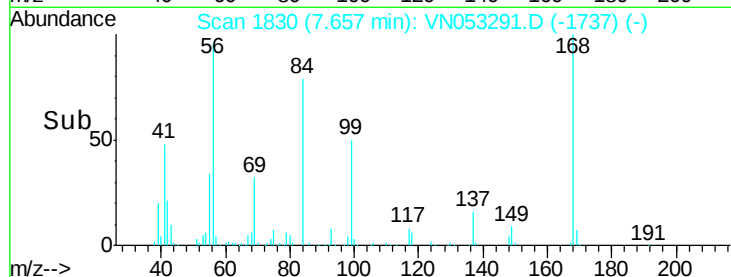
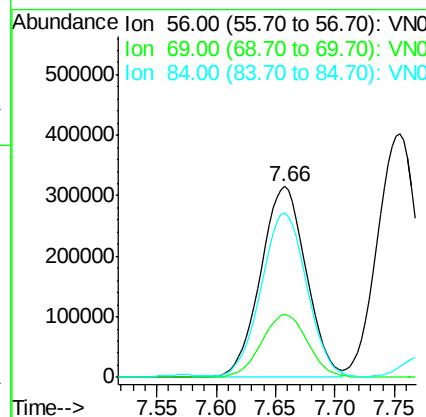
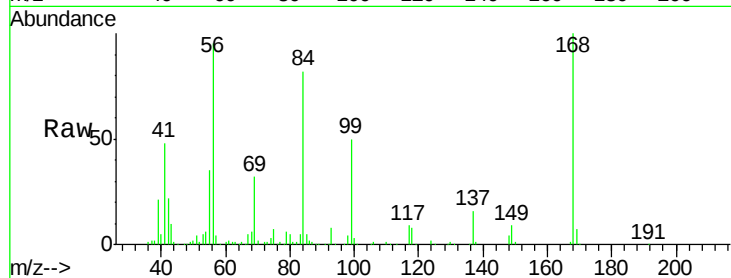
69 33.1 26.7 40.1

84 84.7 68.2 102.4

Manual Integrations
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1/8/2019 10:24:25 AM



#32

1,1,1-Trichloroethane

Concen: 49.939 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

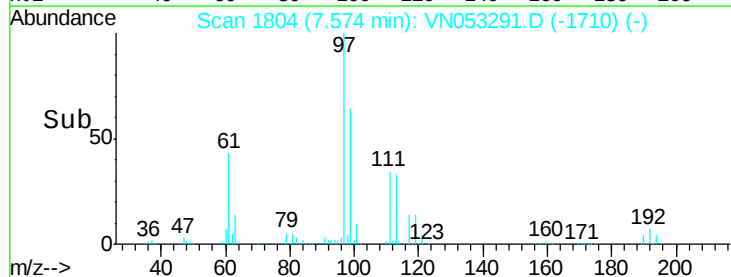
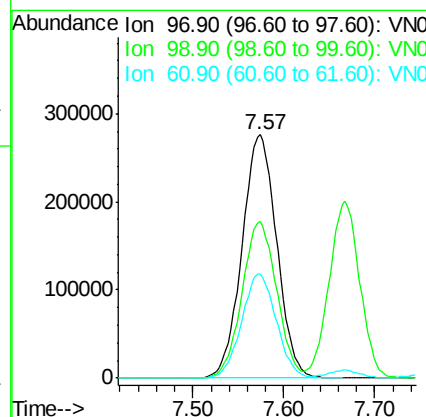
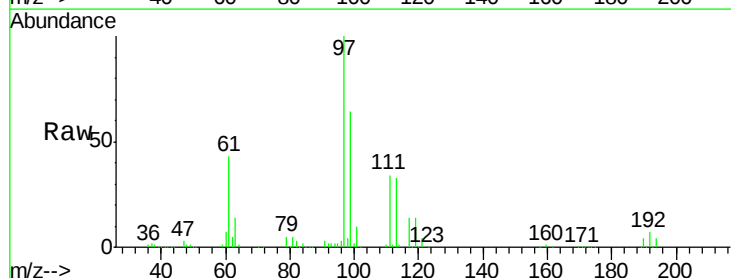
Tgt Ion: 97 Resp: 731396

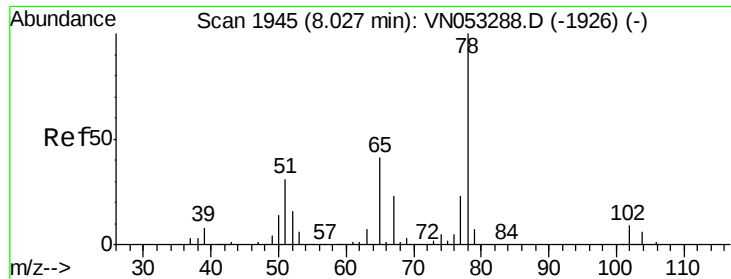
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 42.7 34.6 52.0





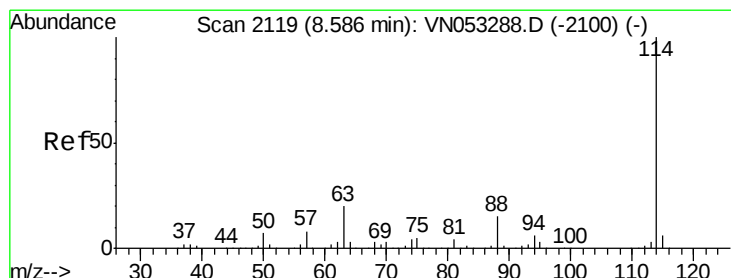
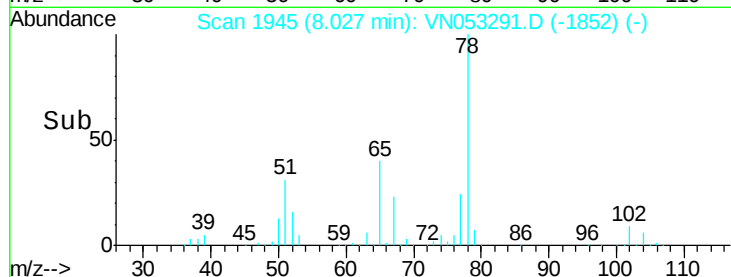
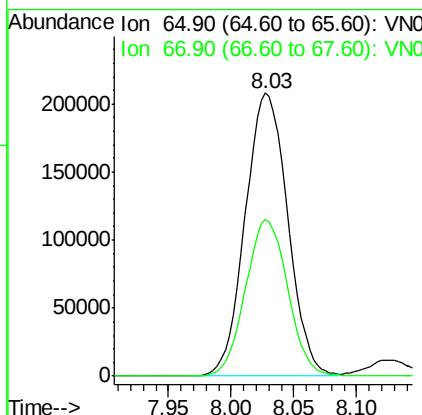
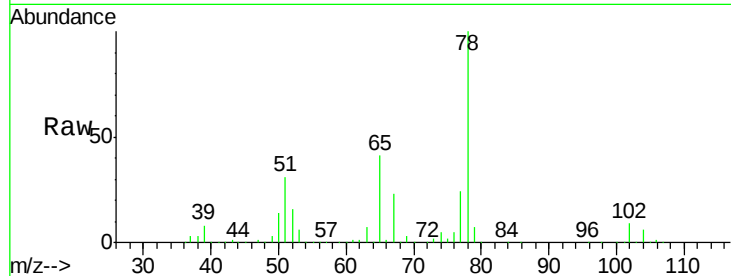
#33
 1,2-Dichloroethane-d4
 Concen: 49.939 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN010519

Tot Ion	Ratio	Resp	Lower	Upper
65	100	492074		
67	54.9	0.0	111.0	

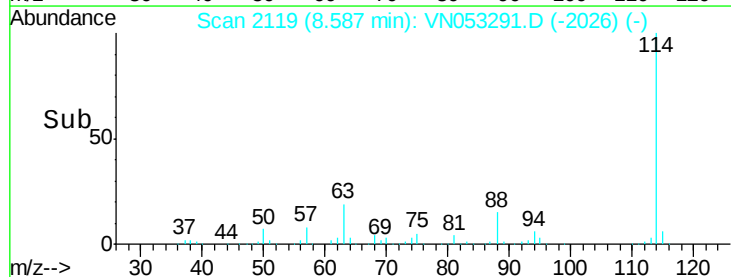
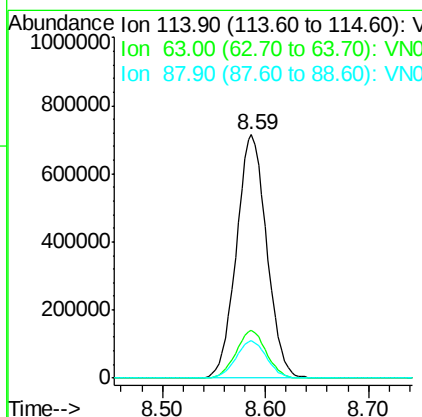
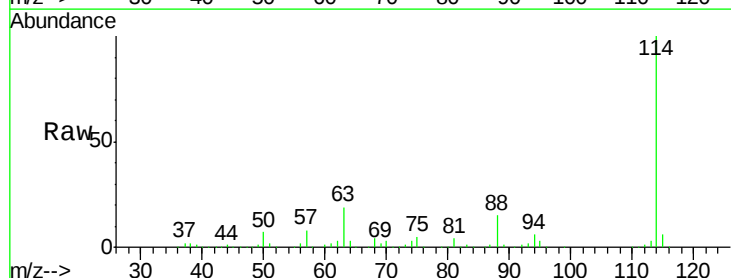
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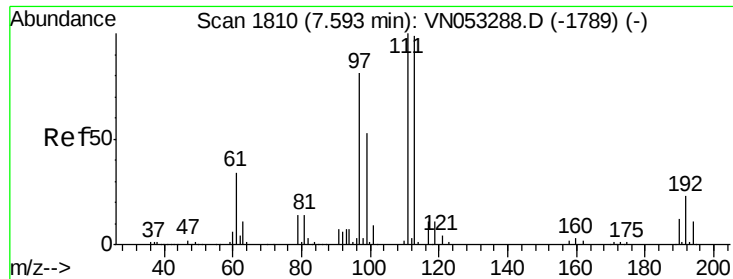
MMDadoda
 1/8/2019 10:24:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1459704		
63	19.4	0.0	39.0	
88	15.2	0.0	30.8	





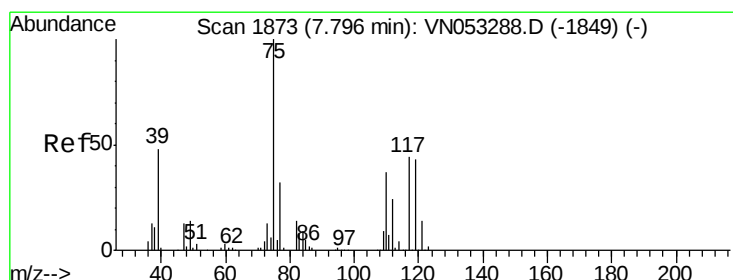
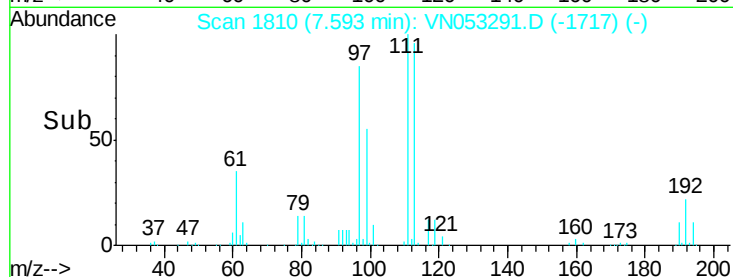
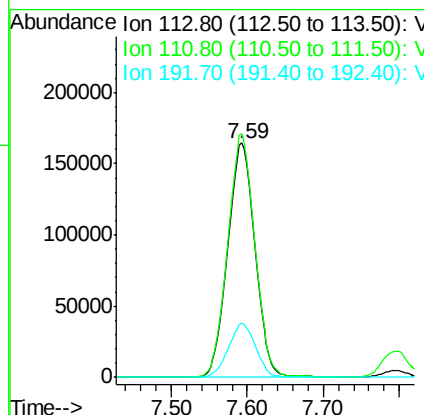
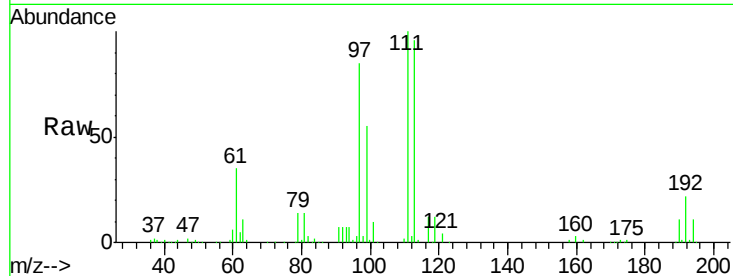
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion	Ratio	Resp	Lower	Upper
113	100	413642		
111	102.5	81.4	122.2	
192	22.8	17.9	26.9	

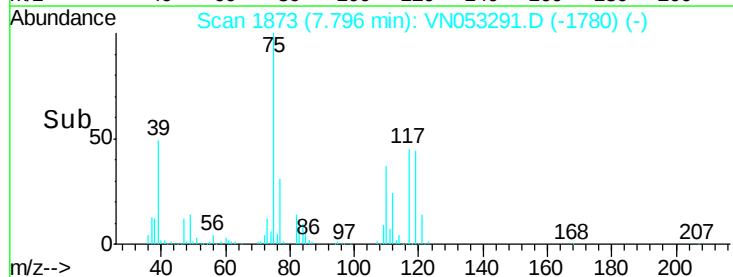
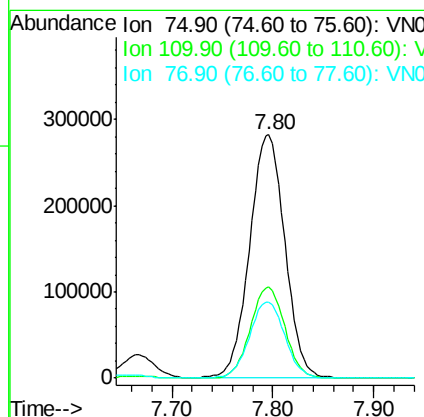
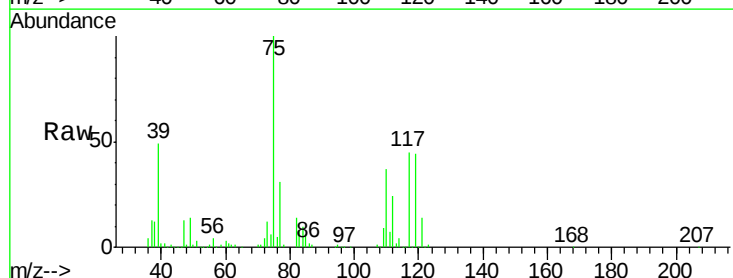
Manual Integrations
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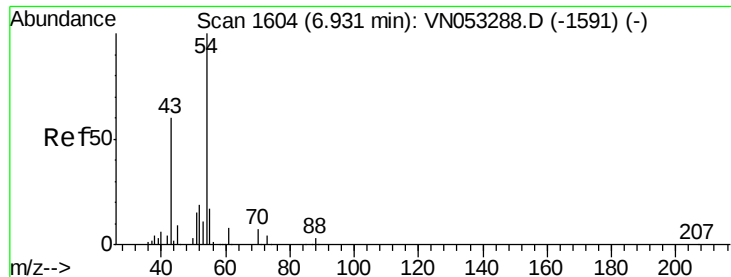
MMDadoda
1/8/2019 10:24:25 AM



#36
1,1-Dichloropropene
Concen: 50.001 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	681382		
110	36.8	18.4	55.0	
77	31.5	25.3	37.9	





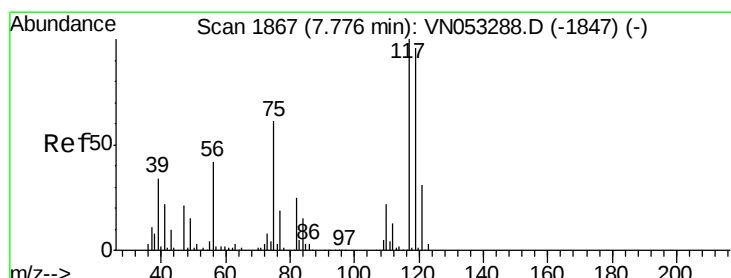
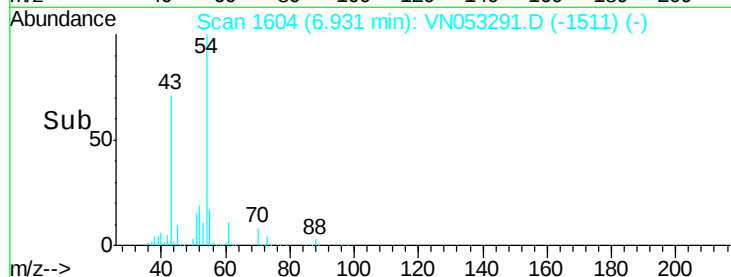
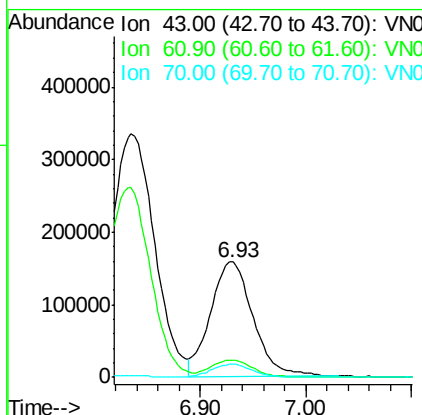
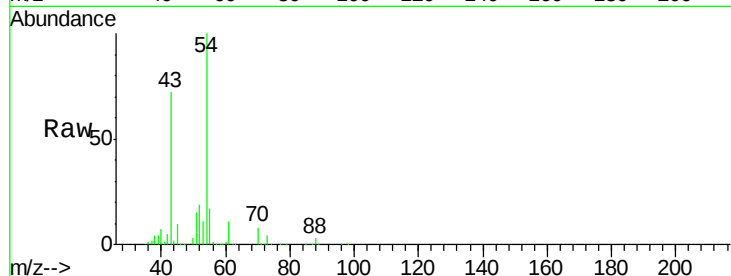
#37
Ethyl Acetate
Concen: 49.730 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.9	17.9
70	10.8	8.6	13.0

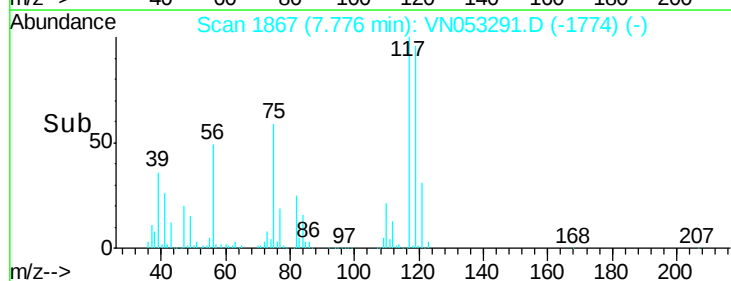
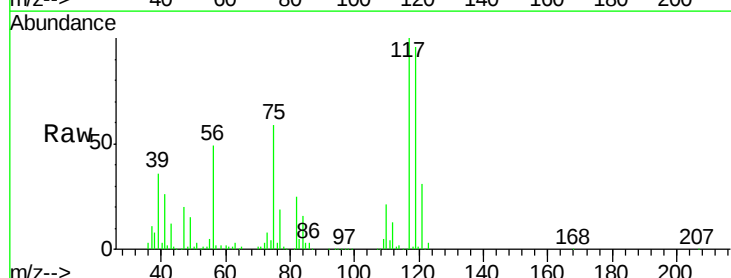
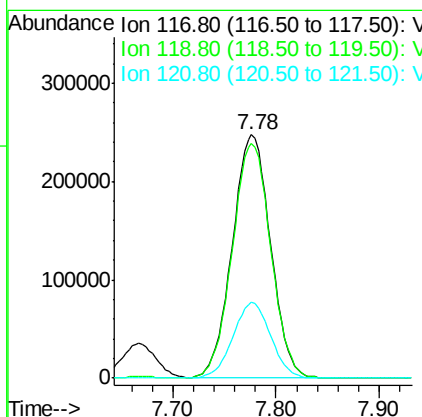
Manual Integrations
APPROVED

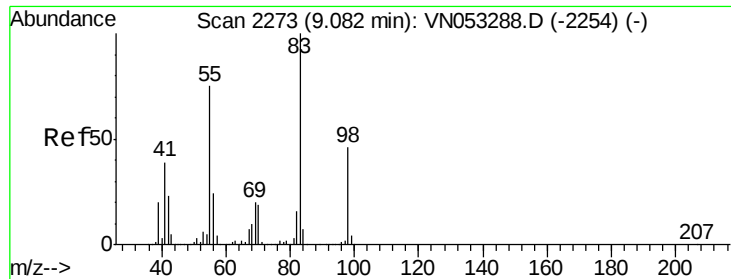
MMDadoda
1/8/2019 10:24:25 AM



#38
Carbon Tetrachloride
Concen: 50.545 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.6	115.0
121	31.0	25.0	37.4





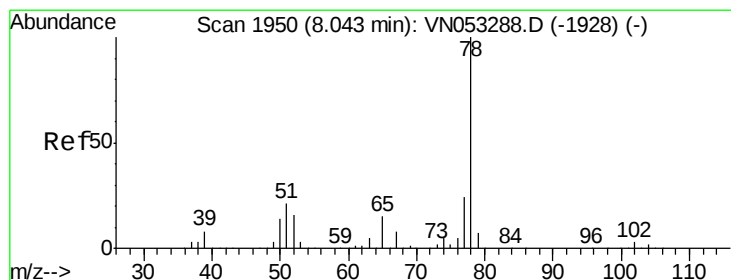
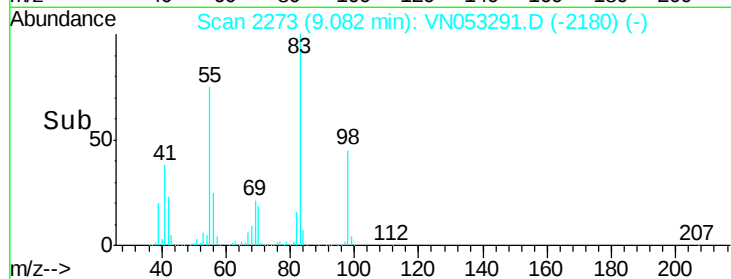
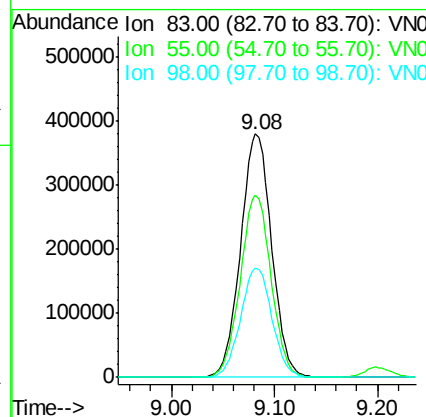
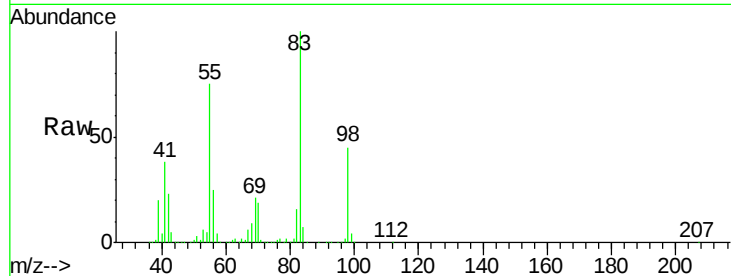
#39
Methvlcvclohexane
Concen: 50.240 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	60.1	90.1
98	44.9	36.7	55.1

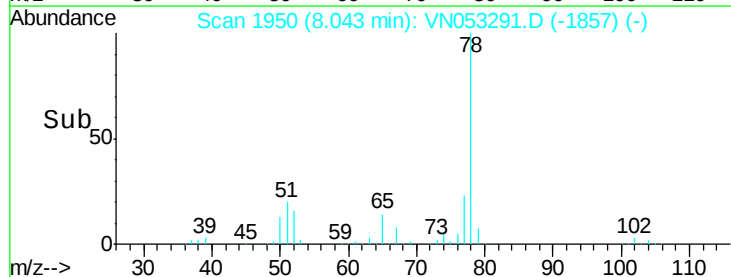
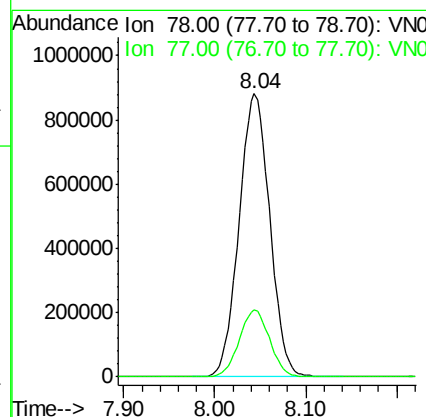
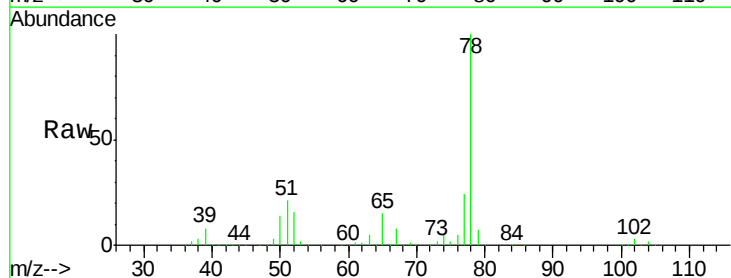
Manual Integrations
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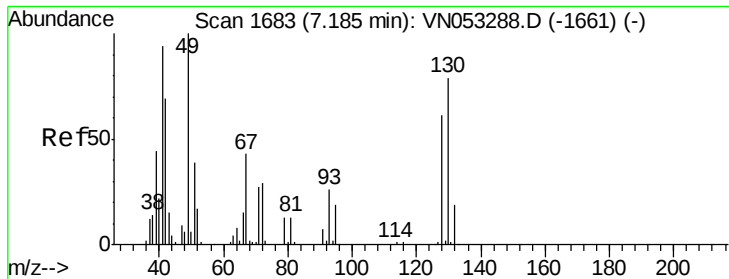
MMDadoda
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#40
Benzene
Concen: 49.626 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





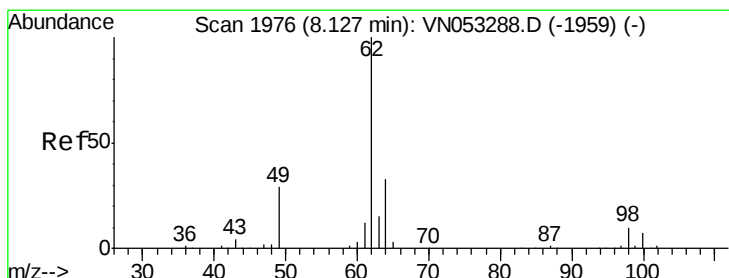
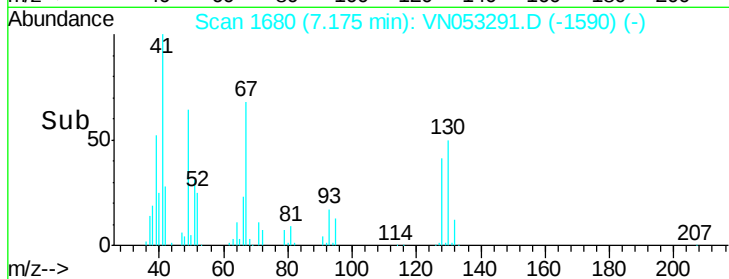
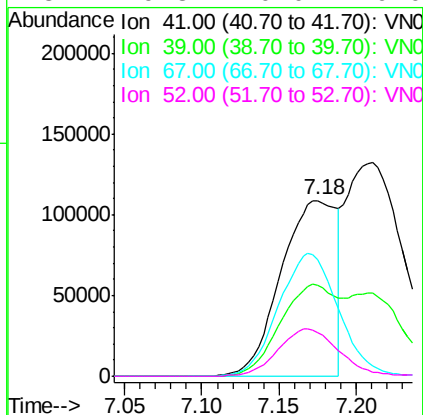
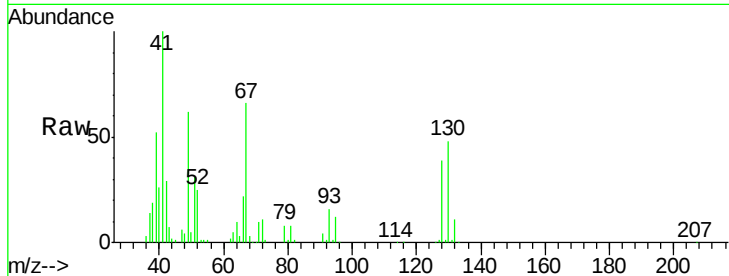
#41
Methacrylonitrile
Concen: 49.134 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN010519

Tot Ion	41	Resp	270762
Ion Ratio	Lower	Upper	
41	100		
39	55.0	0.0	0.0#
67	75.9	0.0	0.0#
52	29.8	0.0	0.0#

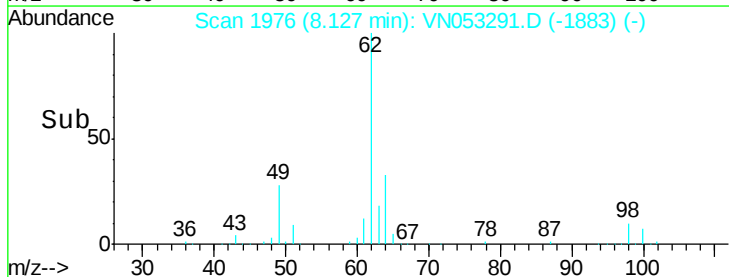
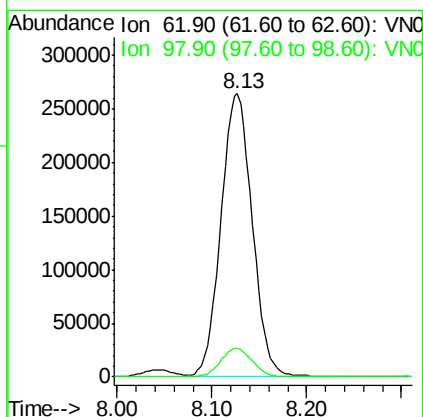
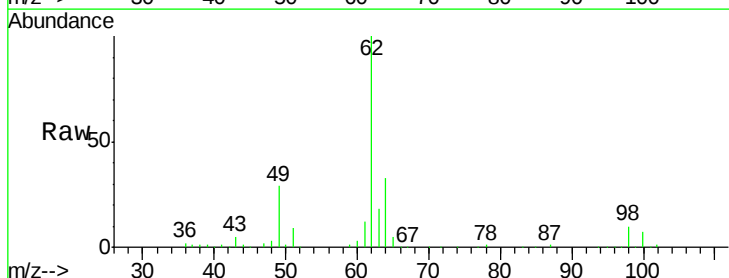
Manual Integrations
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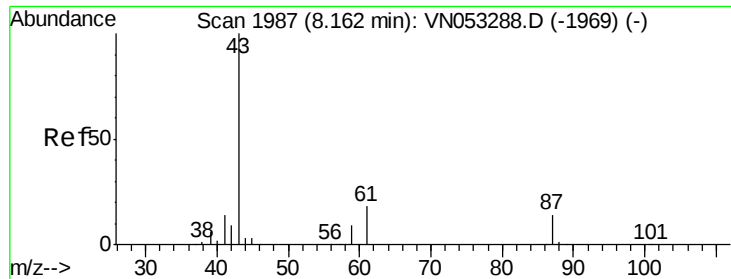
MMDadoda
1/8/2019 10:24:25 AM



#42
1,2-Dichloroethane
Concen: 48.958 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	62	Resp	604503
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 46.688 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

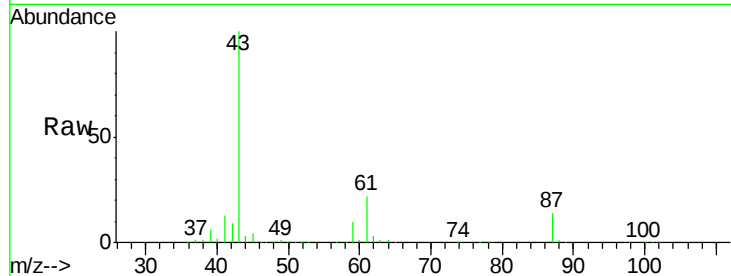
ClientSampleId :

ICVVN010519

Tot Ion:	43	Resp:	815258
Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.3	34.9
87	13.7	10.8	16.2

Manual Integrations
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MMDadoda
1/8/2019 10:24:25 AM

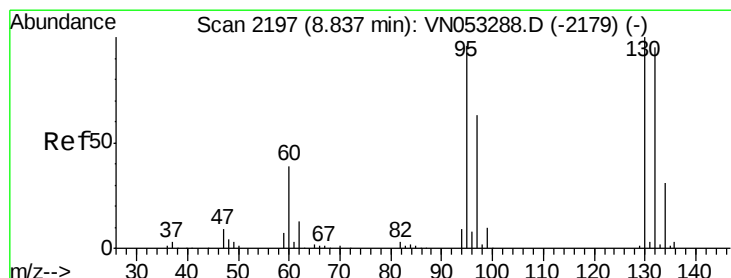
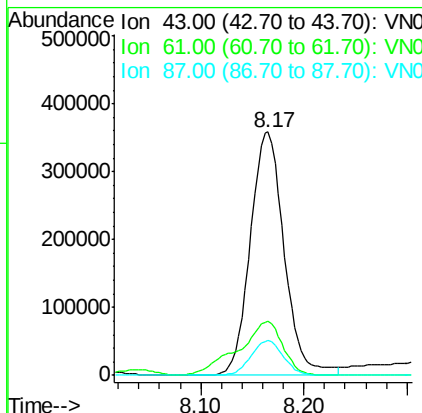
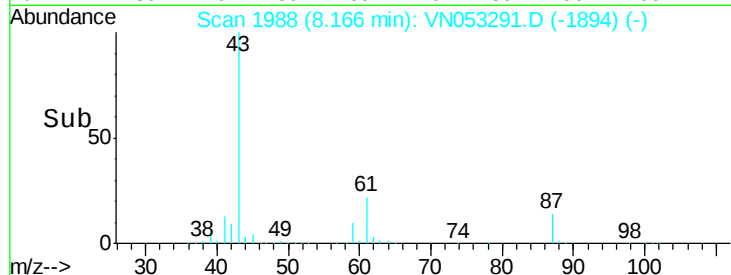


Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053288.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053288.D (-1969) (-)

Time-->



#44

Trichloroethene

Concen: 48.885 ug/l

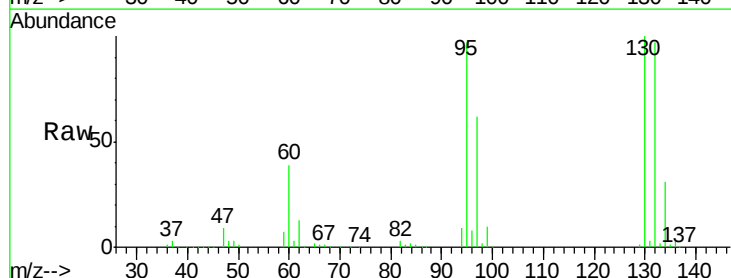
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

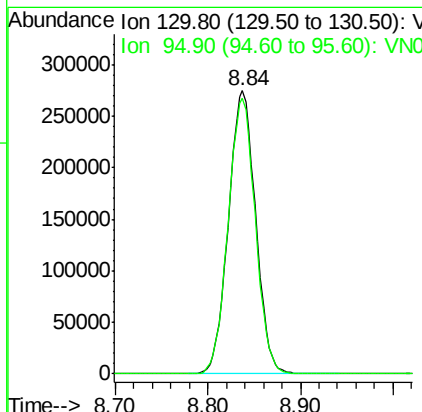
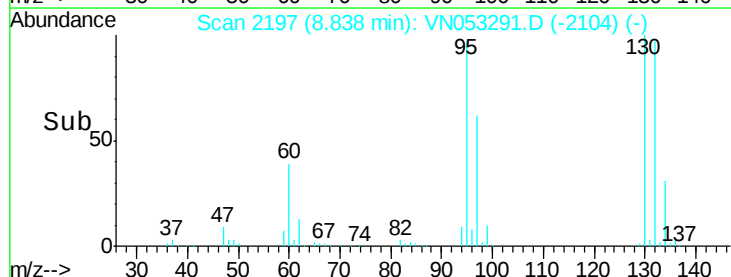
Tgt Ion:	130	Resp:	558758
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	191.8

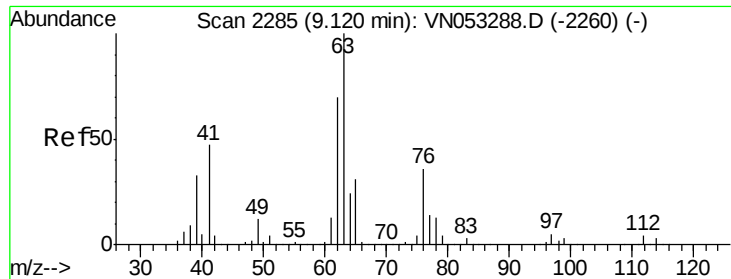


Abundance Ion 129.80 (129.50 to 130.50): VN053288.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053288.D (-2179) (-)

Time-->





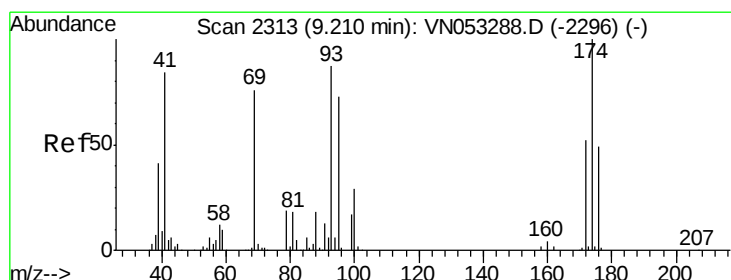
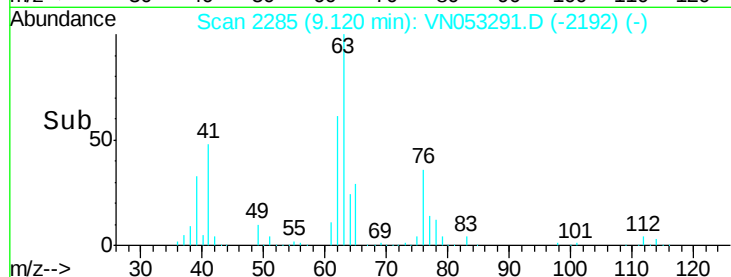
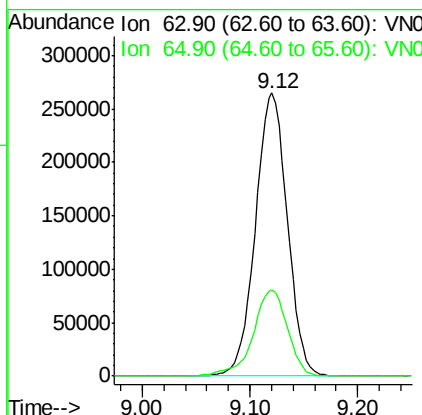
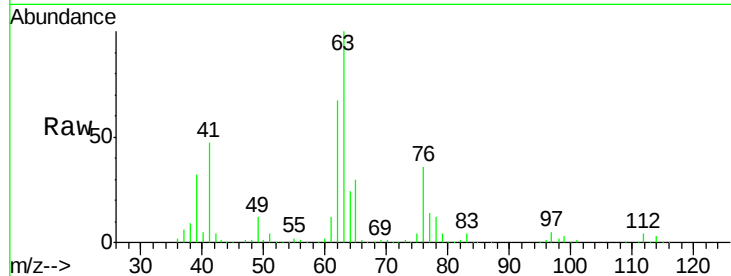
#45
 1,2-Dichloropropane
 Concen: 49.742 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN010519

Tot Ion: 63 Resp: 543063
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

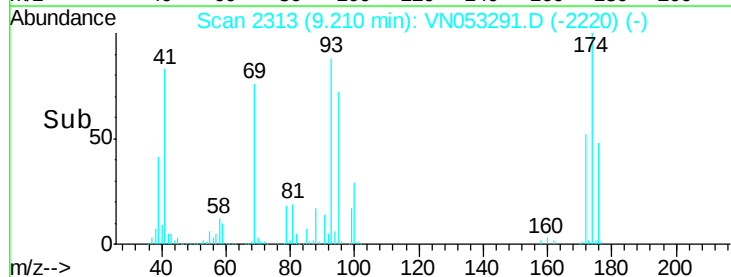
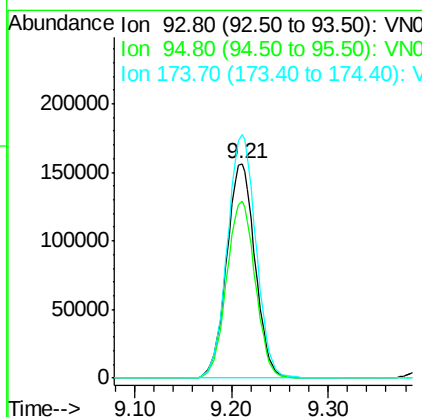
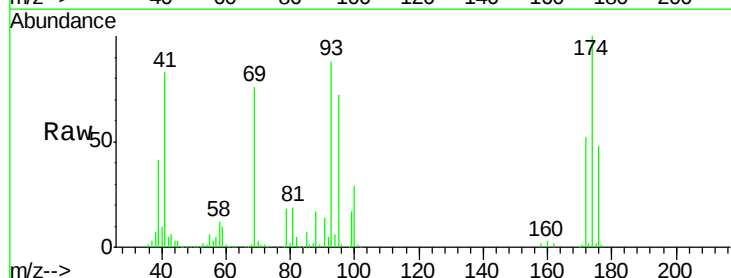
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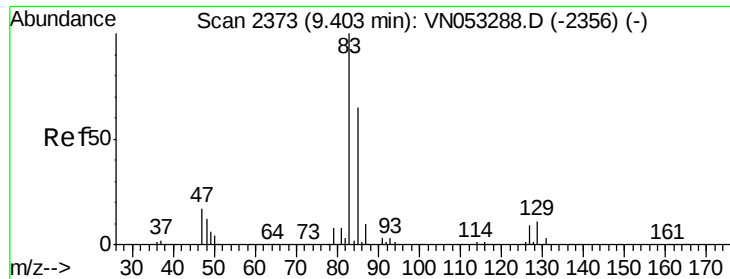
MMDadoda
 1/8/2019 10:24:25 AM



#46
 Dibromomethane
 Concen: 50.079 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Tgt Ion: 93 Resp: 318787
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 114.1 91.4 137.0





#47

Bromodichloromethane

Concen: 49.886 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

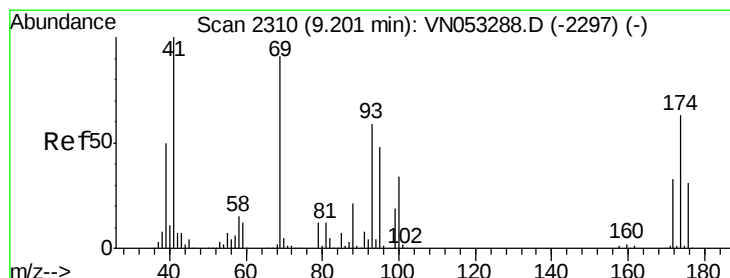
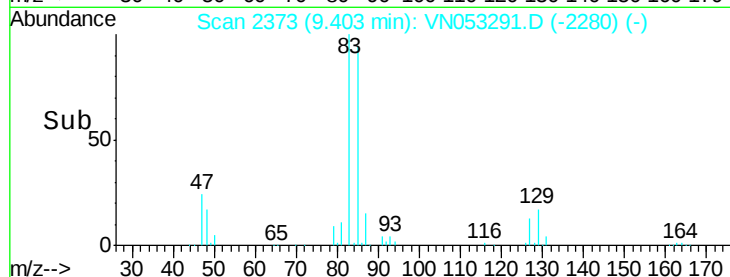
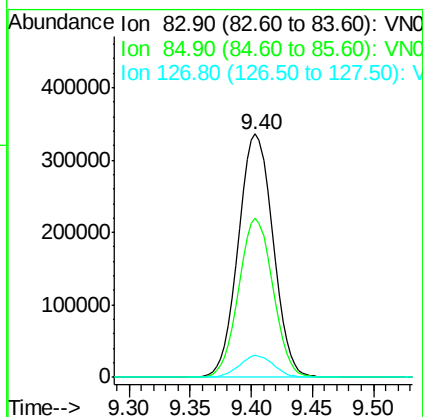
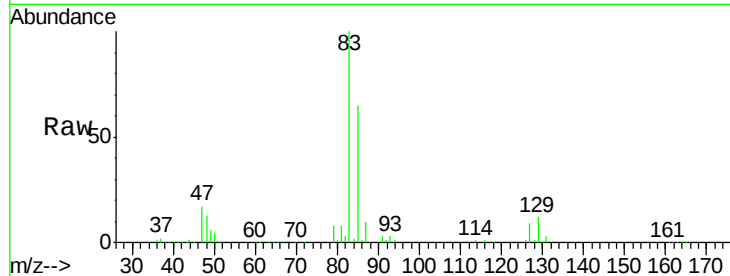
ClientSampleId :

ICVVN010519

Tot Ion:	83	Resp:	661779
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.7	77.5
127	8.9	7.0	10.6

Manual Integrations
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1/8/2019 10:24:25 AM



#48

Methyl methacrylate

Concen: 50.707 ug/l

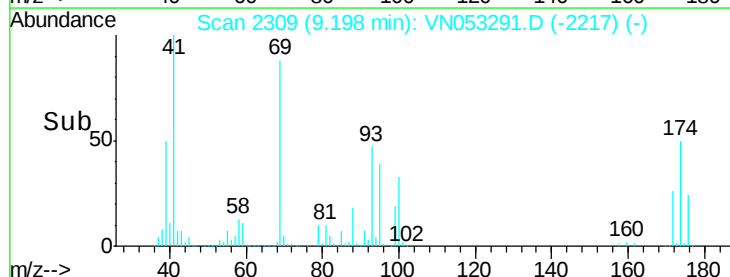
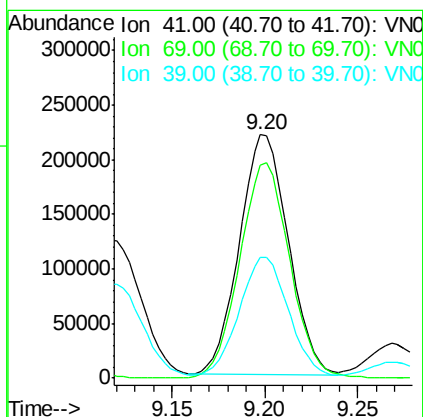
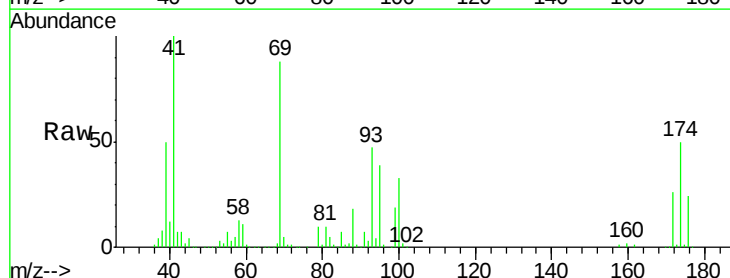
RT: 9.20 min Scan# 2309

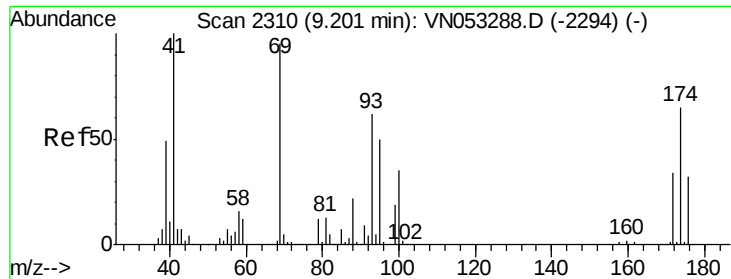
Delta R.T. -0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Tgt Ion:	41	Resp:	402266
Ion	Ratio	Lower	Upper
41	100		
69	92.0	73.5	110.3
39	51.5	41.6	62.4





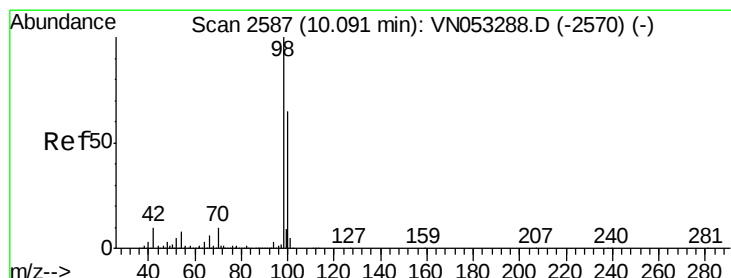
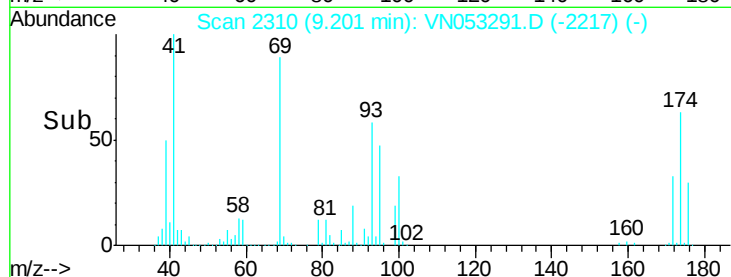
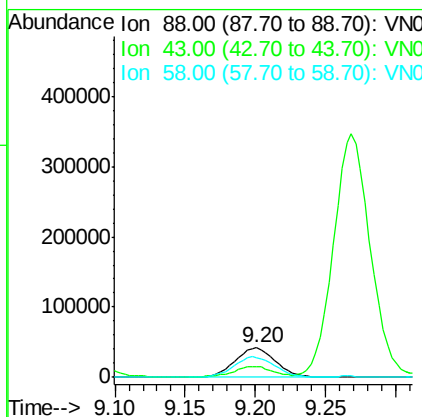
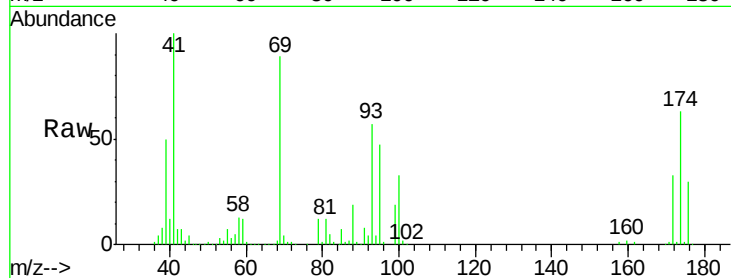
#49
1,4-Dioxane
Concen: 1007.421 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion	88	Resp	85149
Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.2	39.4
58	70.5	55.5	83.3

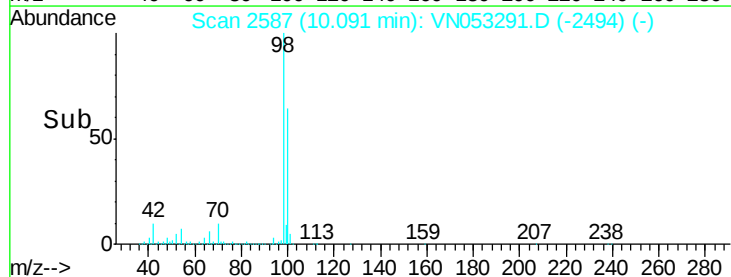
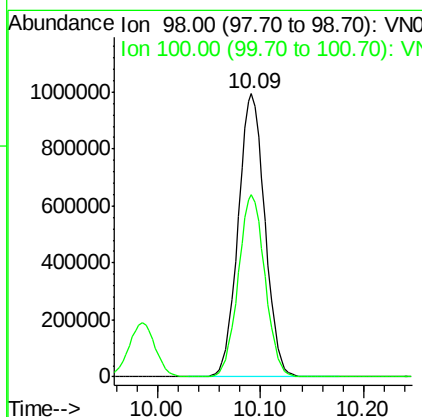
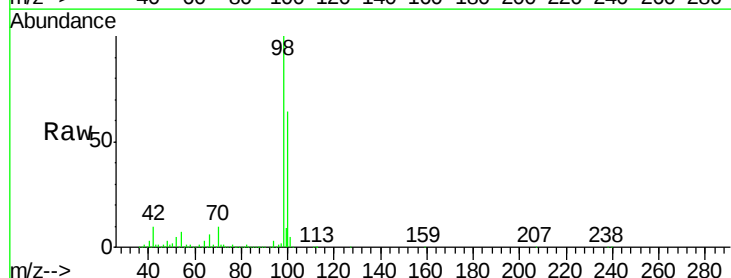
Manual Integrations
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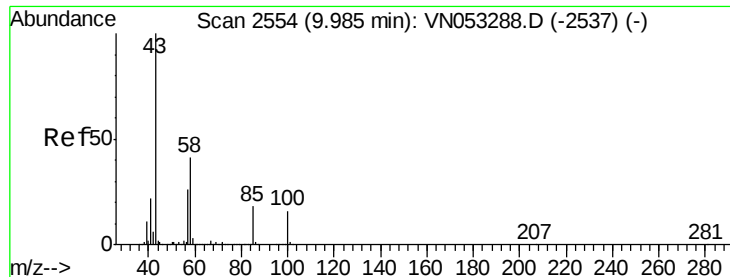
MMDadoda
1/8/2019 10:24:25 AM



#50
Toluene-d8
Concen: 1007.421 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	98	Resp	1787374
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 248.285 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN010519

Tot Ion: 43 Resp: 2180250

Ion Ratio Lower Upper

43 100

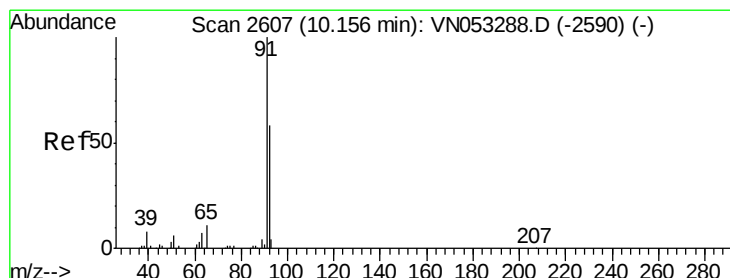
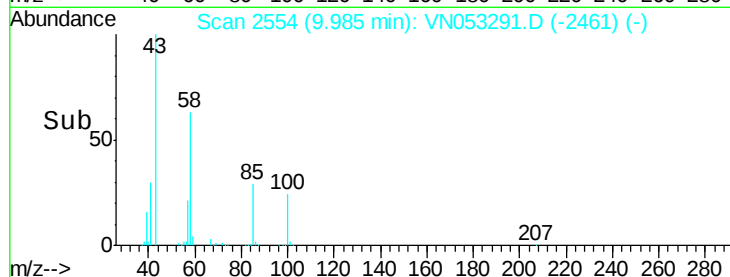
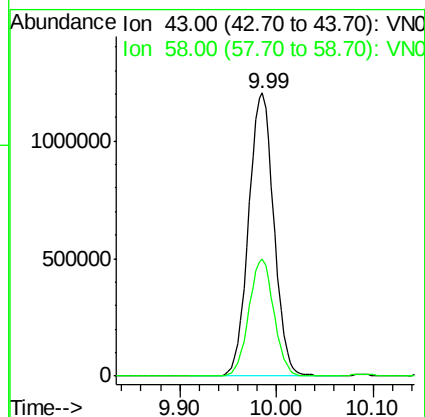
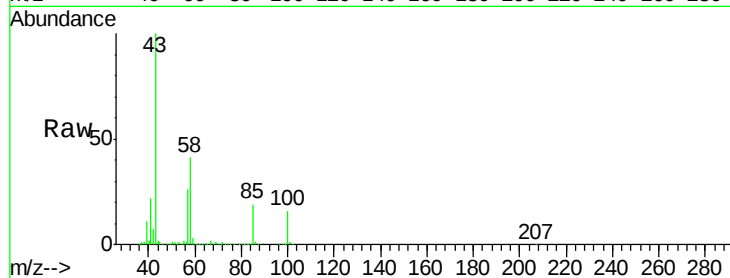
58 41.0 32.7 49.1

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#52

Toluene

Concen: 50.016 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053291.D

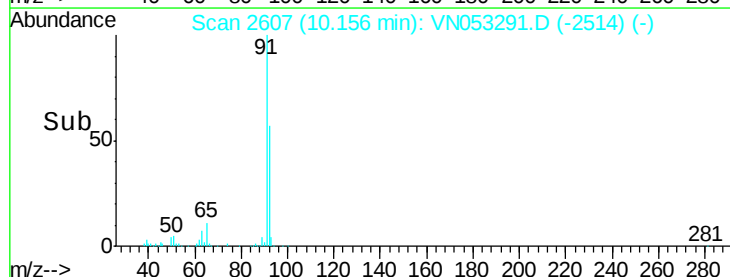
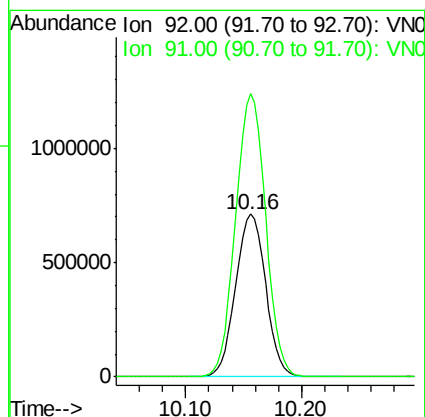
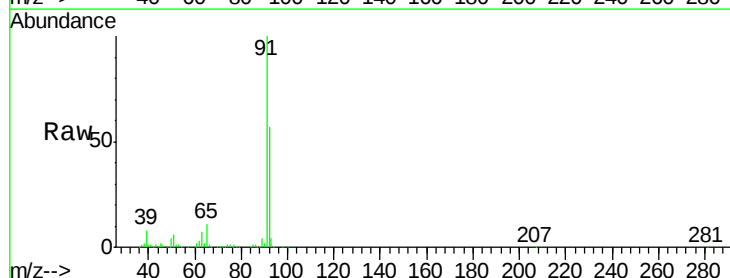
Acq: 4 Jan 2019 20:23

Tgt Ion: 92 Resp: 1277298

Ion Ratio Lower Upper

92 100

91 174.5 138.6 208.0





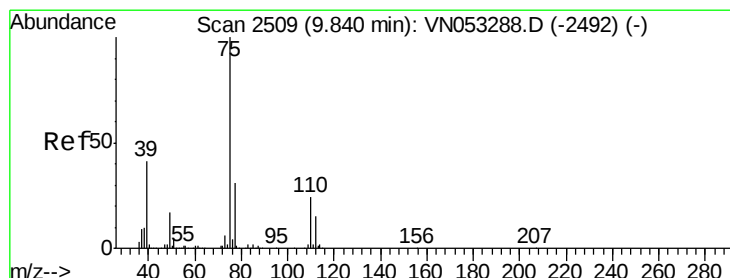
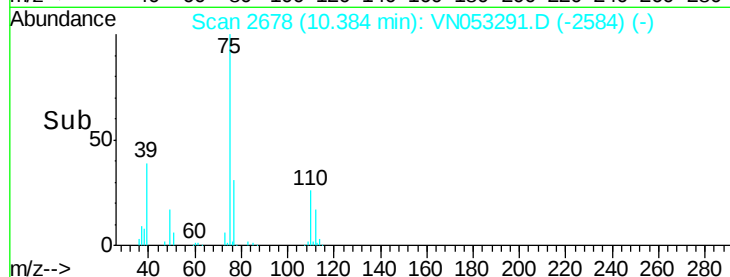
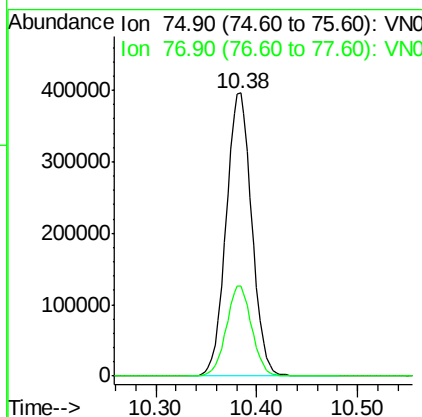
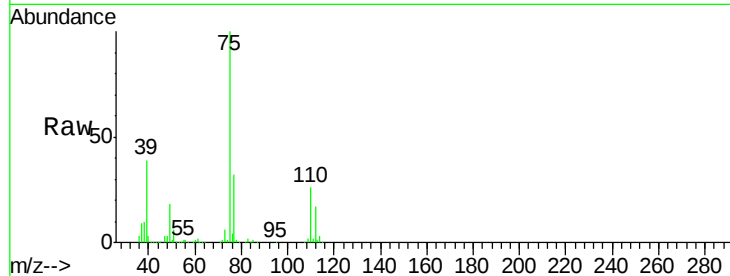
#53
t-1,3-Dichloropropene
Concen: 51.822 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN010519

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4

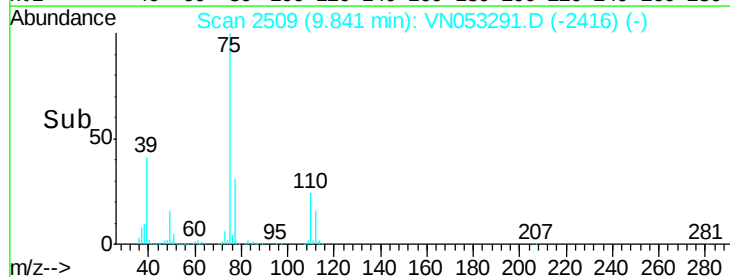
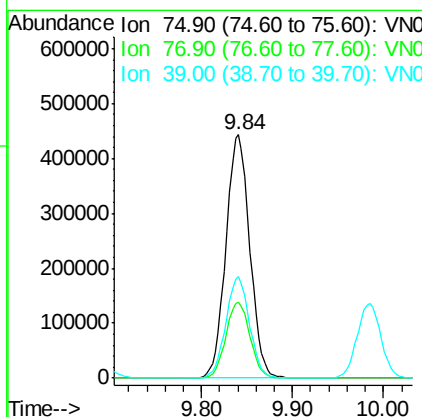
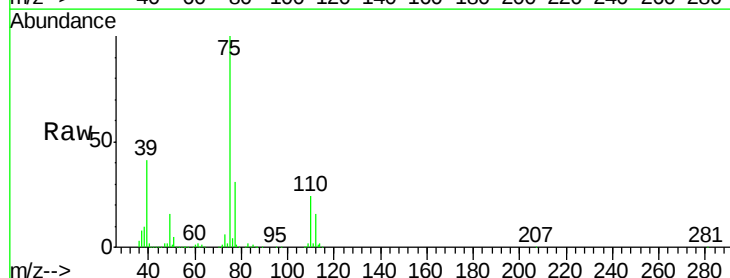
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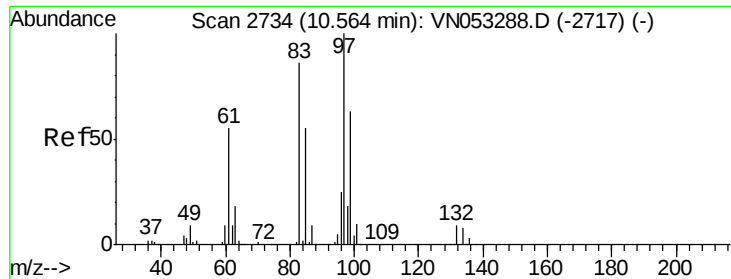
MMDadoda
1/8/2019 10:24:25 AM



#54
cis-1,3-Dichloropropene
Concen: 51.512 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	41.4	33.1	49.7





#55

1,1,2-Trichloroethane

Concen: 48.954 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

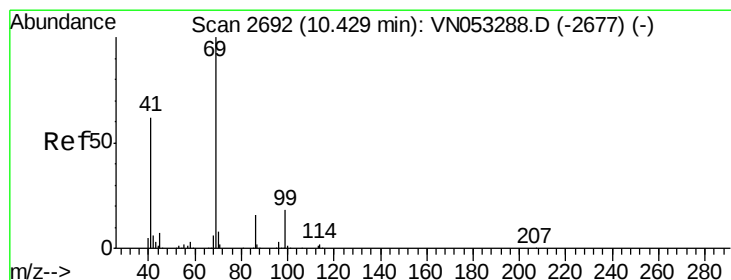
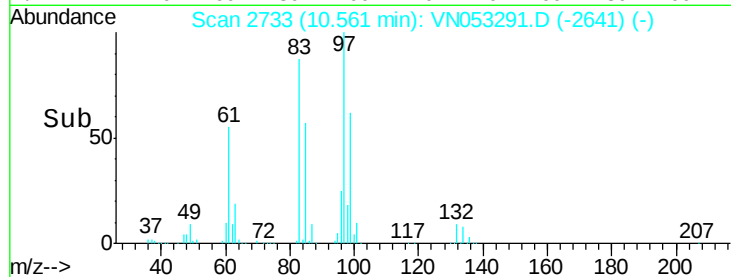
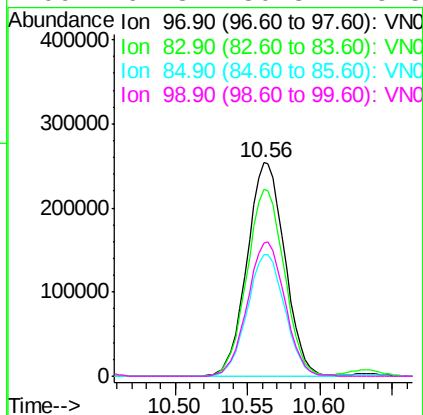
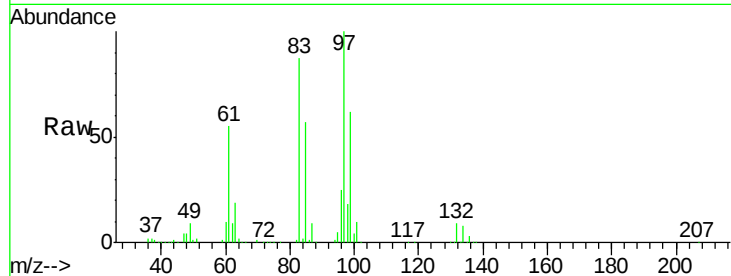
ClientSampled :

ICVVN010519

Tot Ion:	97	Resp:	459683
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.1	103.7
85	57.2	44.2	66.4
99	62.3	50.3	75.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.447 ug/l

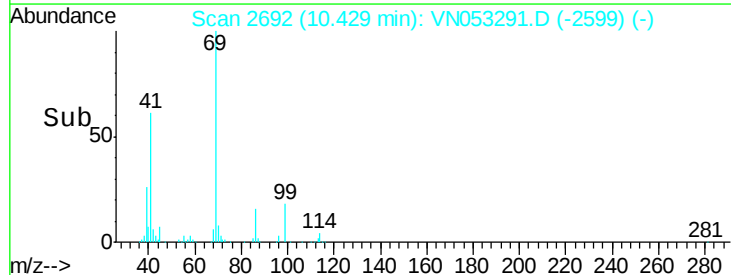
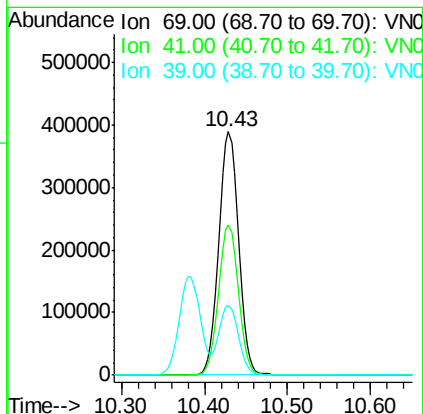
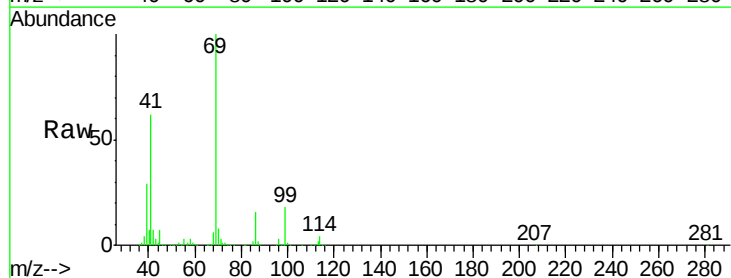
RT: 10.43 min Scan# 2692

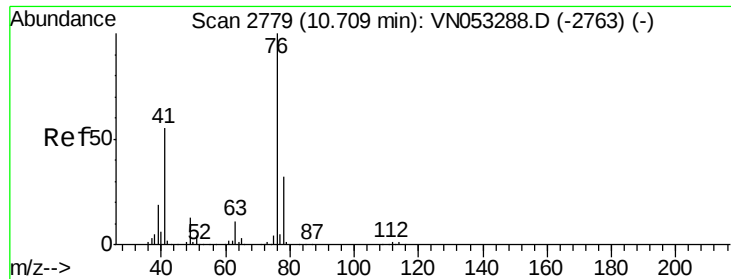
Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Tgt Ion:	69	Resp:	639980
Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.2	73.8
39	29.0	23.4	35.0





#57

1,3-Dichloropropane

Concen: 50.217 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN010519

Tot Ion: 76 Resp: 788553

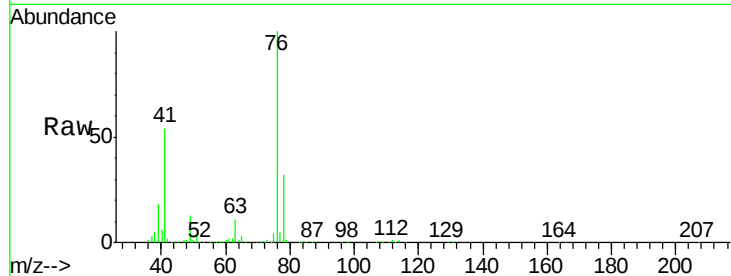
Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.8

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MMDadoda
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

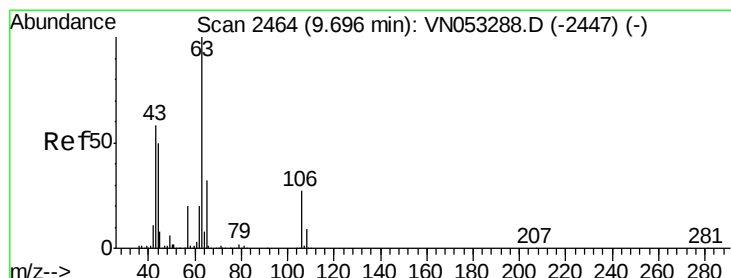
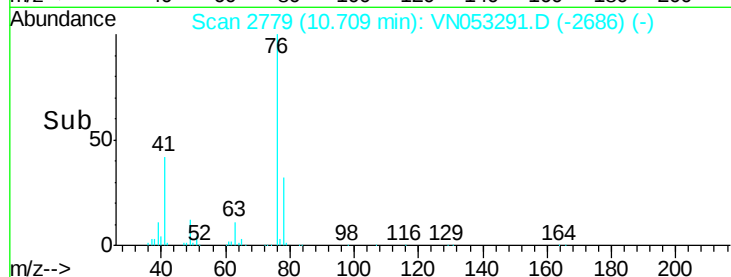
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 251.579 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053291.D

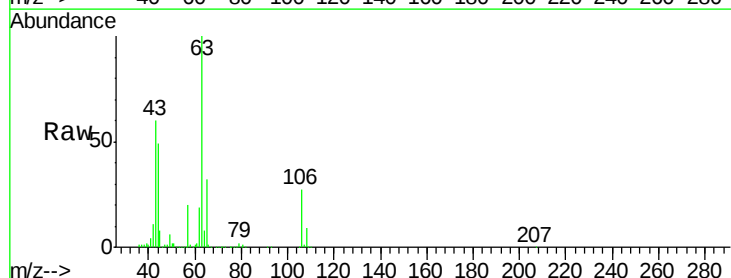
Acq: 4 Jan 2019 20:23

Tgt Ion: 63 Resp: 1659654

Ion Ratio Lower Upper

63 100

106 26.8 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1000000

800000

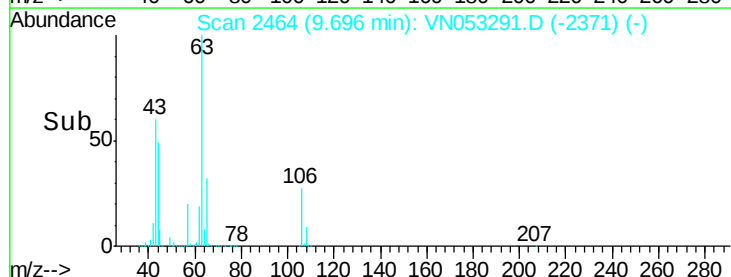
600000

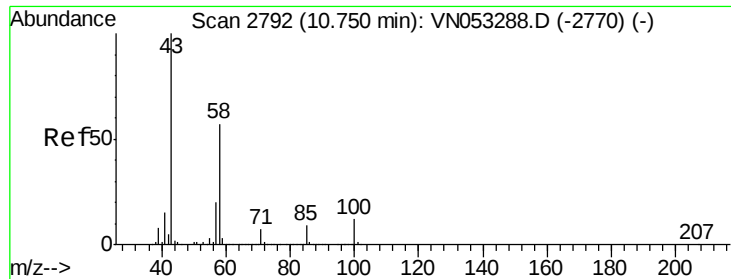
400000

200000

0

Time--> 9.60 9.70 9.80





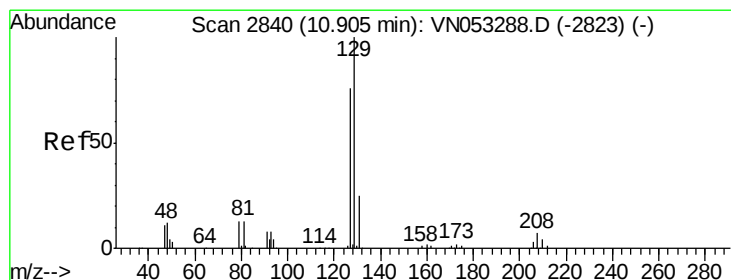
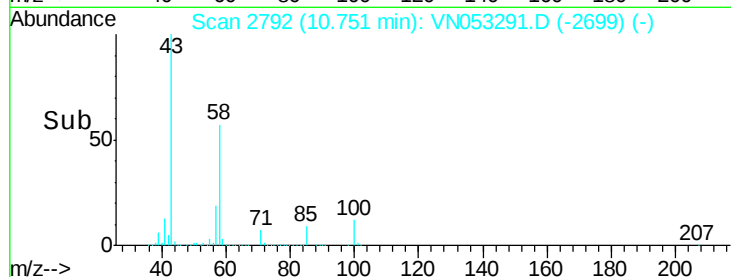
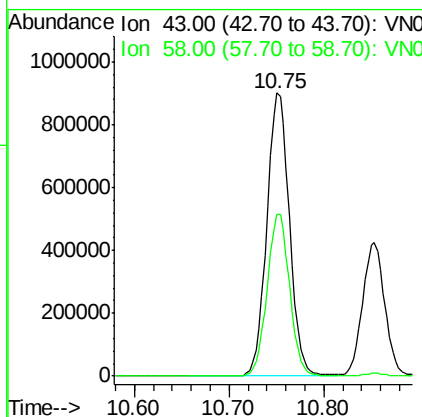
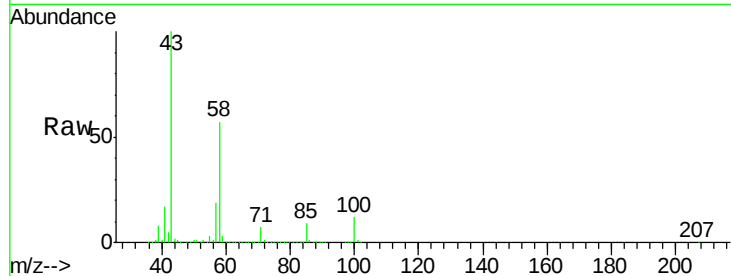
#59
2-Hexanone
Concen: 247.723 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion: 43 Resp: 1490442
Ion Ratio Lower Upper
43 100
58 57.1 28.3 85.0

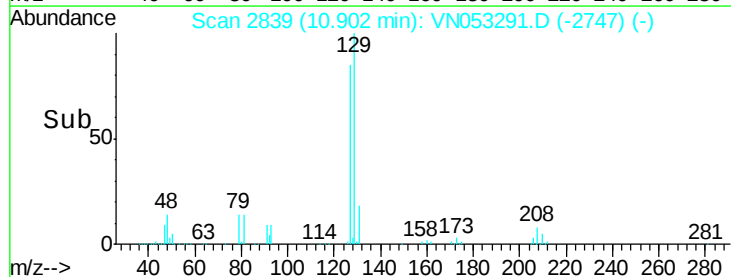
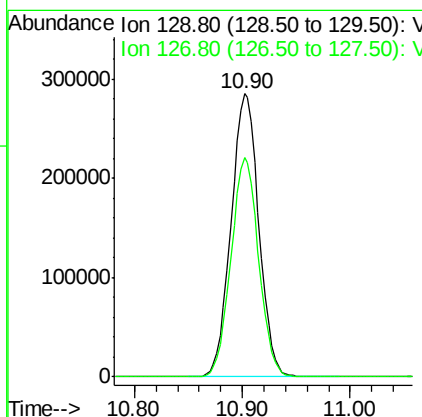
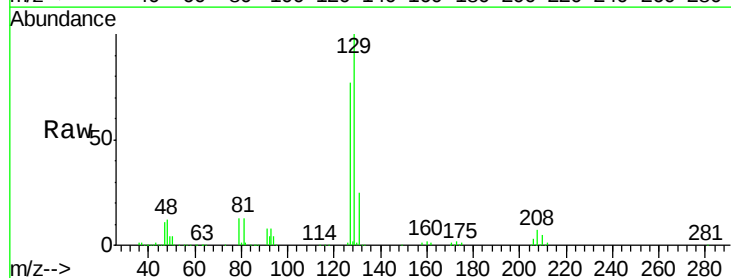
Manual Integrations
APPROVED

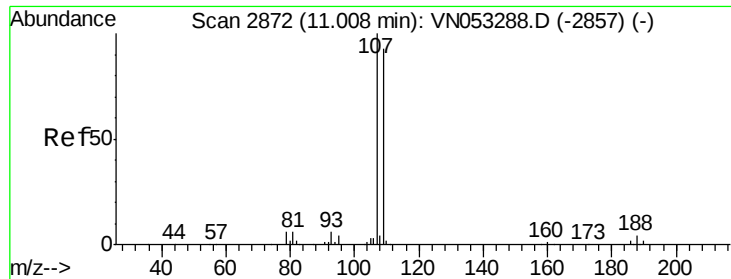
MMDadoda
1/8/2019 10:24:25 AM



#60
Dibromochloromethane
Concen: 50.468 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion: 129 Resp: 511132
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.2





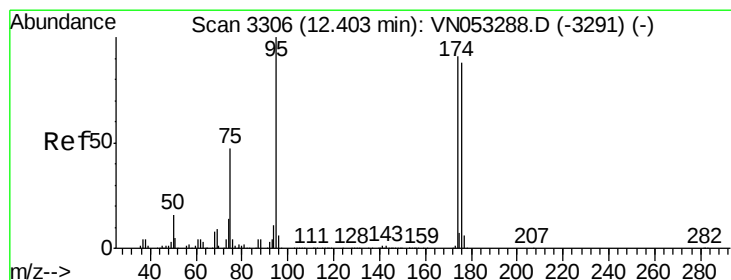
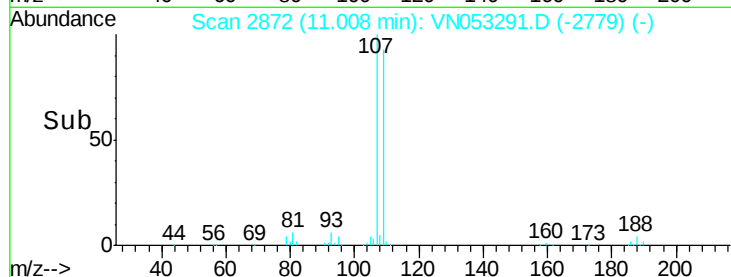
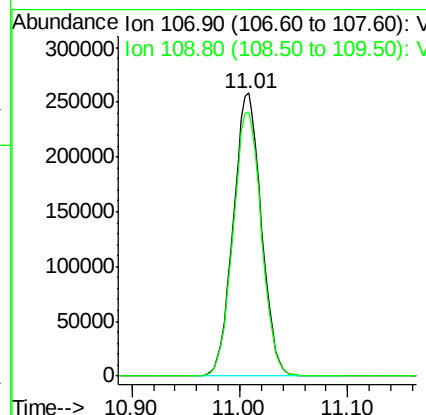
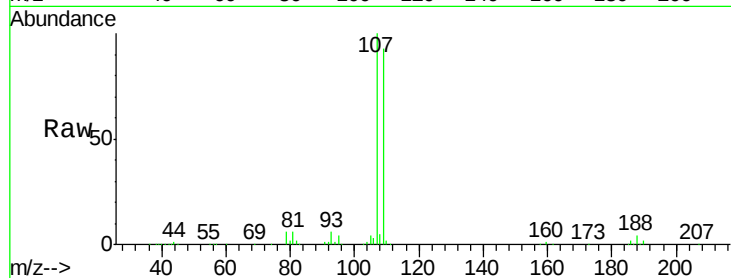
#61
 1,2-Dibromoethane
 Concen: 50.445 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN010519

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.6

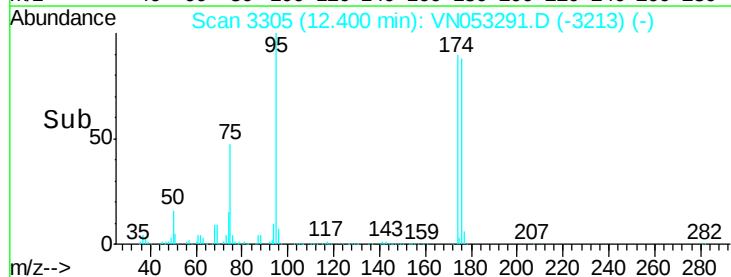
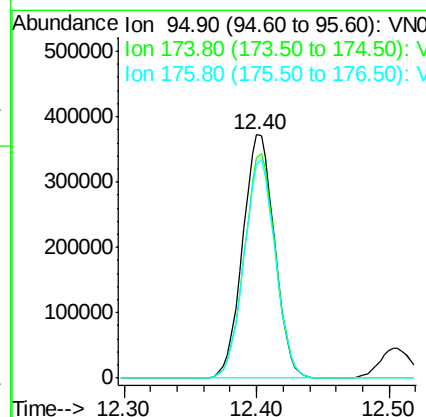
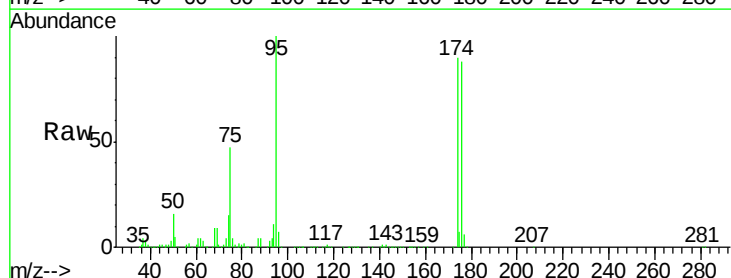
Manual Integrations
 APPROVED

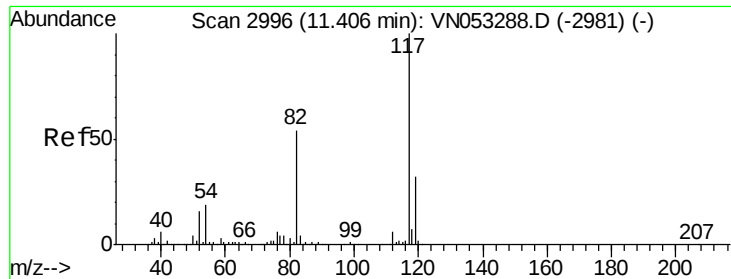
MMDadoda
 1/8/2019 10:24:25 AM



#62
 4-Bromofluorobenzene
 Concen: 50.445 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	180.4
176	88.4	0.0	175.6





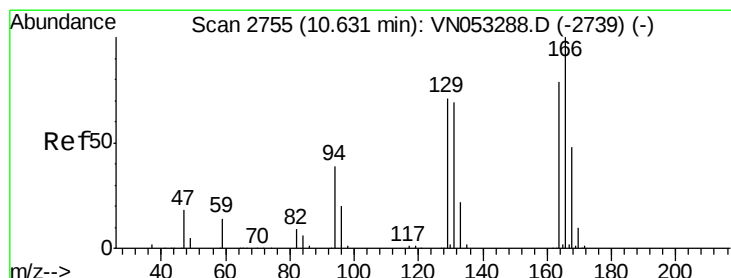
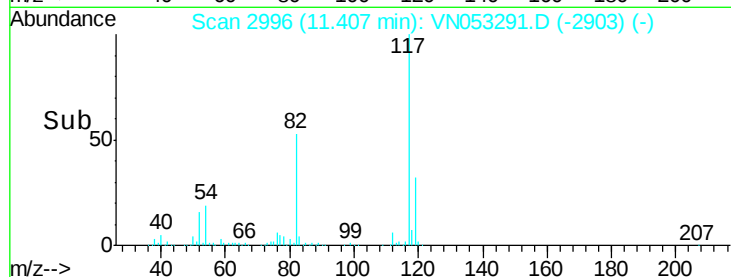
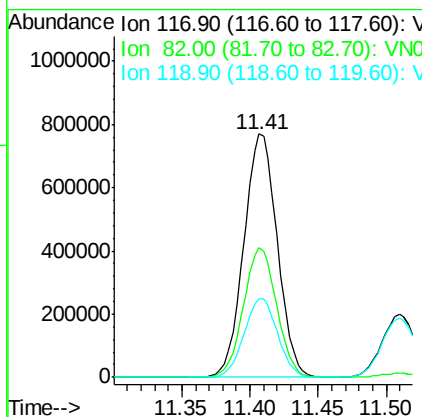
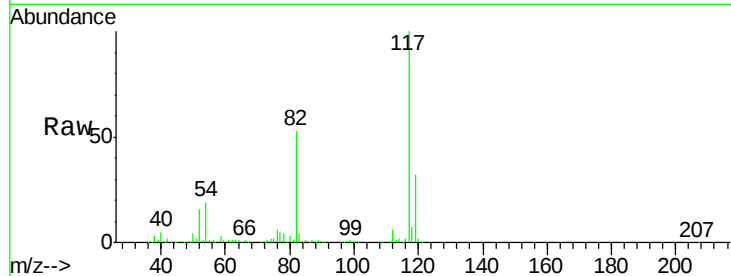
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN010519

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.9	64.3
119	32.3	25.6	38.4

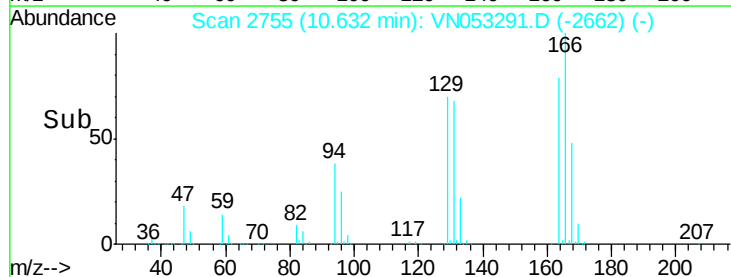
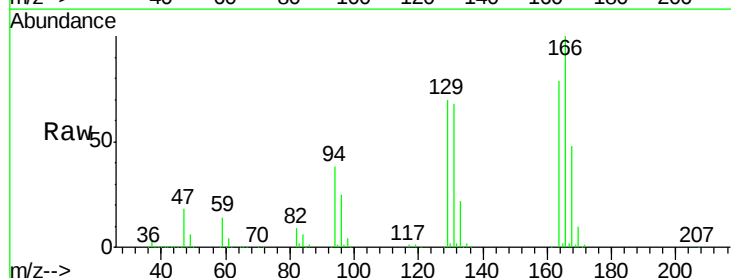
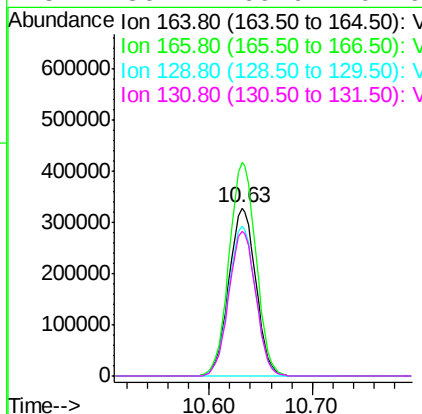
Manual Integrations
APPROVED

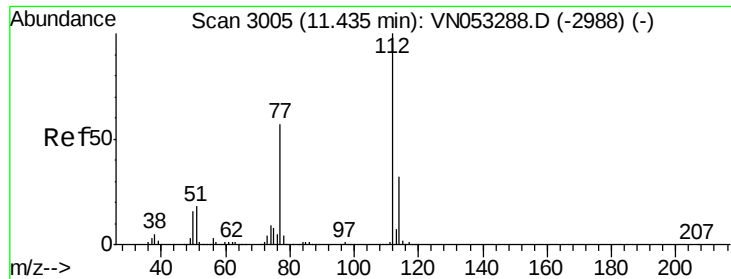
MMDadoda
1/8/2019 10:24:25 AM



#64
Tetrachloroethene
Concen: 48.286 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.7	152.5
129	89.5	72.1	108.1
131	86.4	69.9	104.9





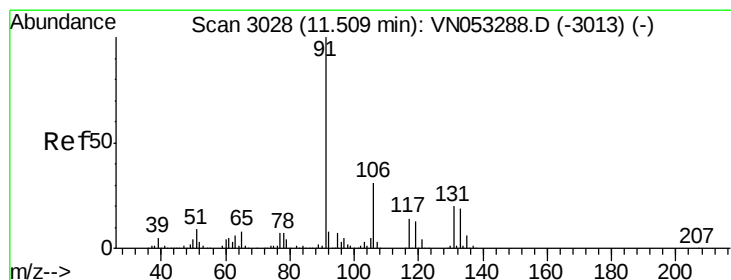
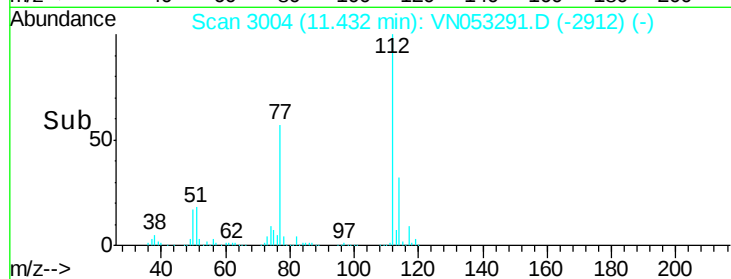
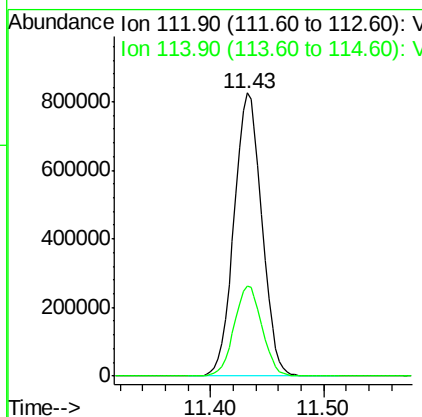
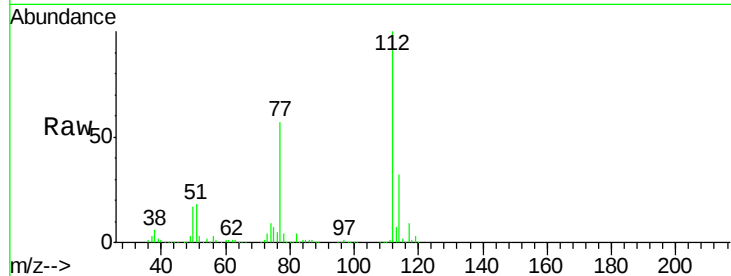
#65
Chlorobenzene
Concen: 49.572 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion:112 Resp: 1409086
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

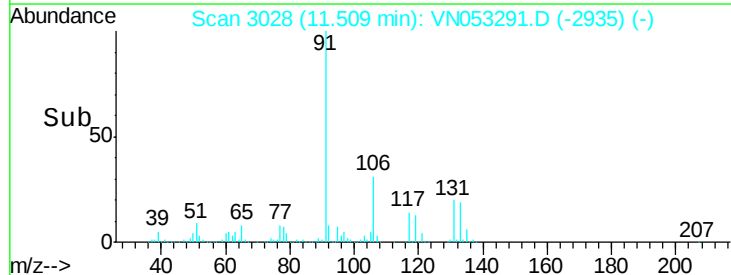
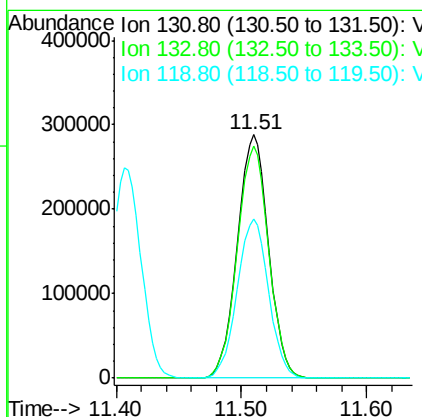
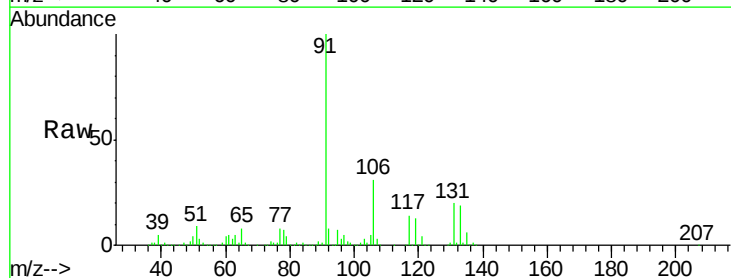
Manual Integrations
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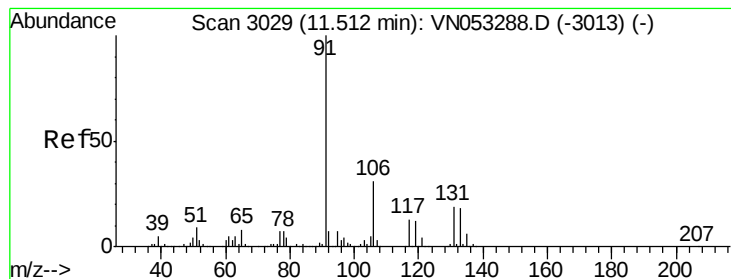
MMDadoda
1/8/2019 10:24:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.900 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion:131 Resp: 496467
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 66.1 33.3 99.9





#67

Ethyl Benzene

Concen: 50.528 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN010519

Tot Ion: 91 Resp: 2440547

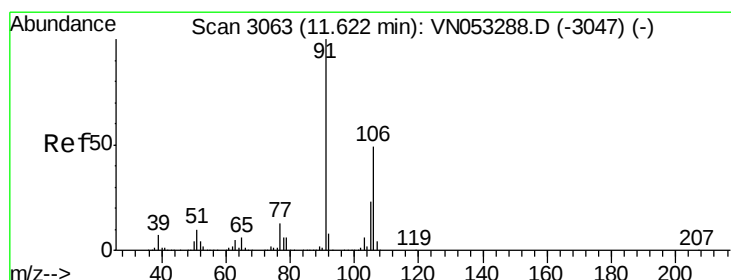
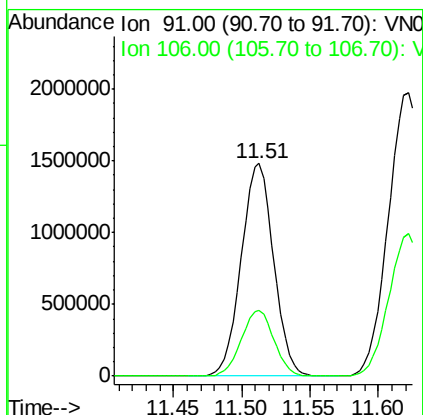
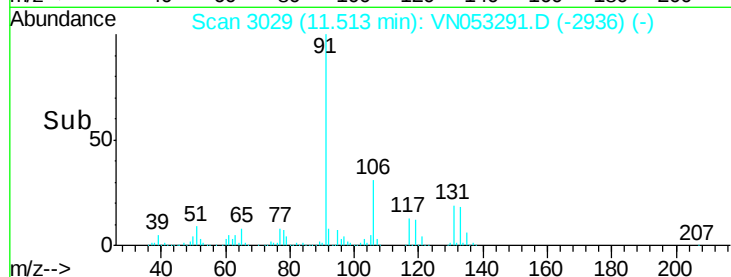
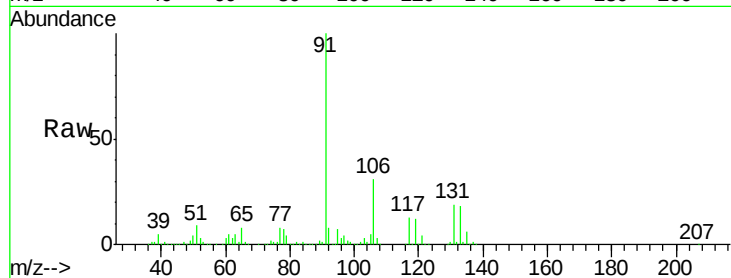
Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:25 AM



#68

m/p-Xylenes

Concen: 102.201 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053291.D

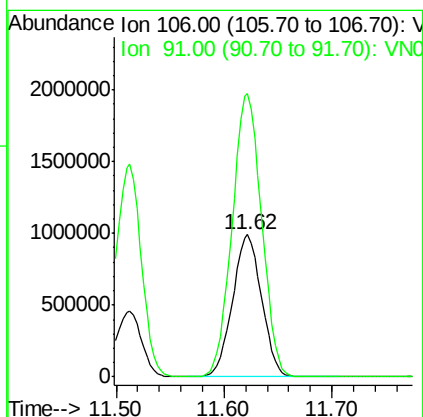
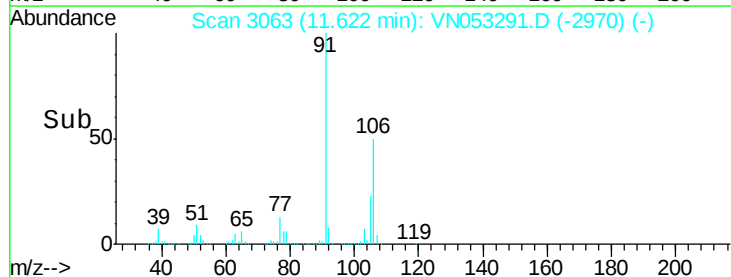
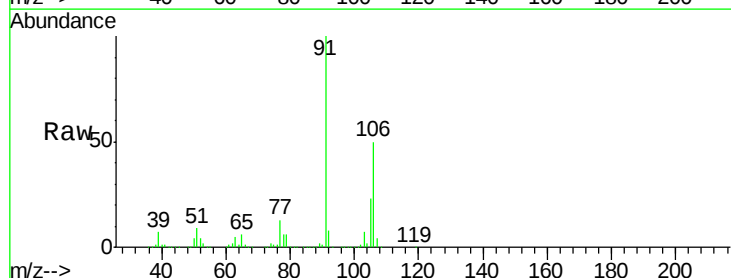
Acq: 4 Jan 2019 20:23

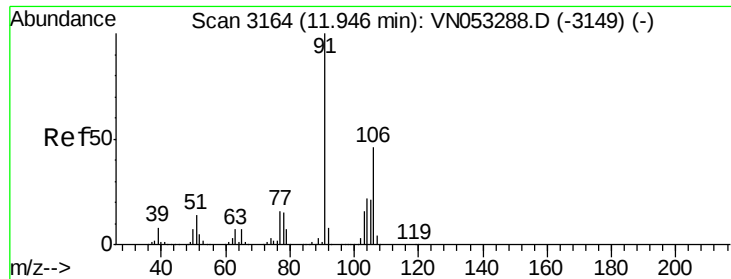
Tgt Ion: 106 Resp: 1856211

Ion Ratio Lower Upper

106 100

91 201.8 161.4 242.2





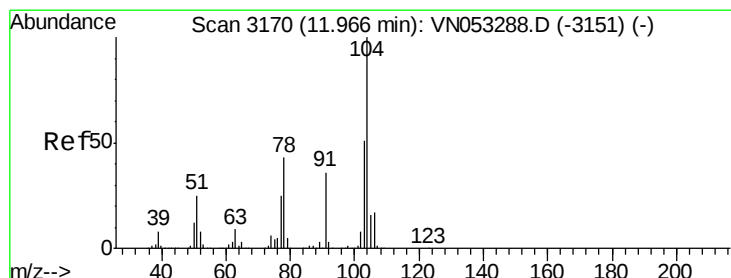
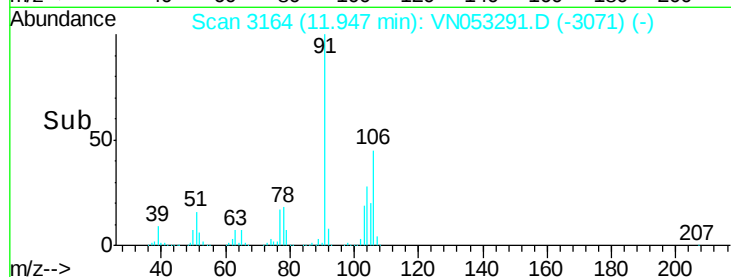
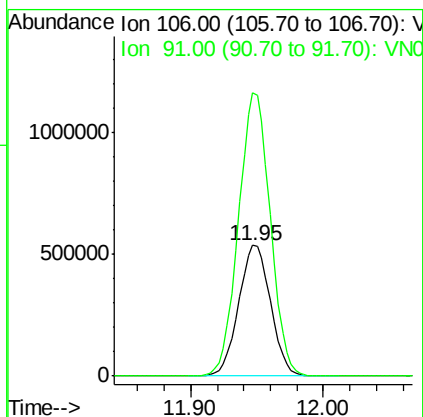
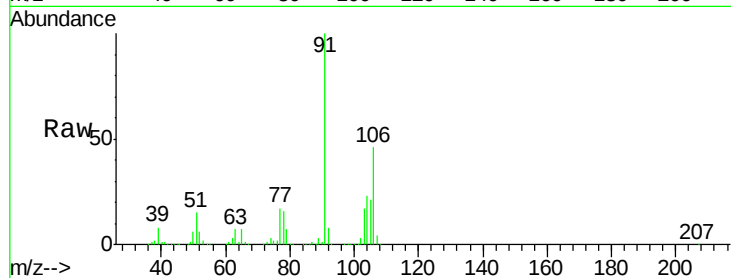
#69
o-Xylene
Concen: 50.502 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN010519

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.3	106.8	320.4

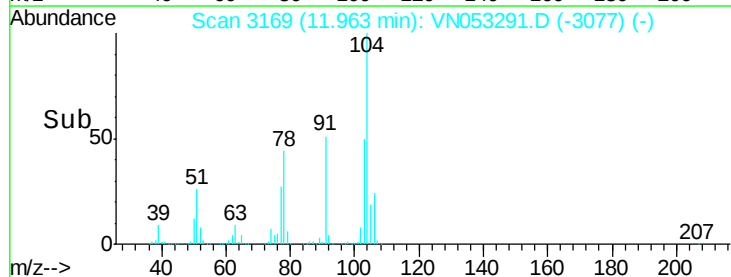
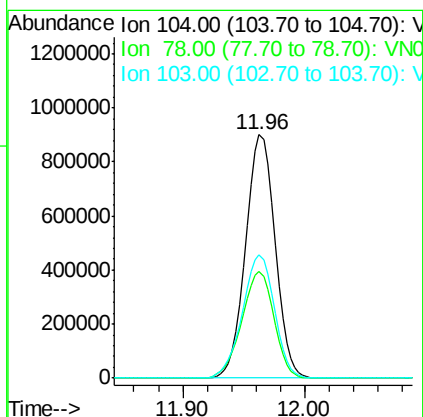
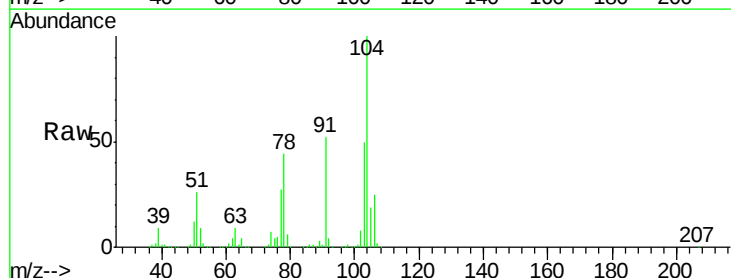
Manual Integrations
APPROVED

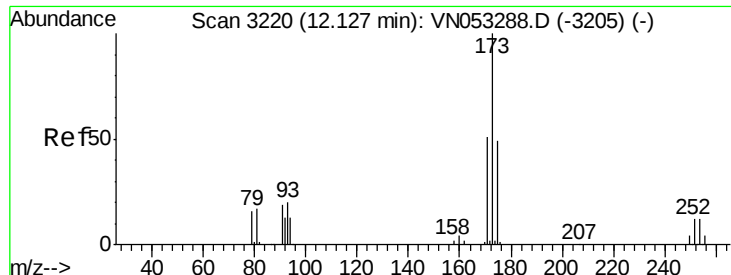
MMDadoda
1/8/2019 10:24:25 AM



#70
Styrene
Concen: 51.622 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.5	57.7
103	55.2	44.5	66.7





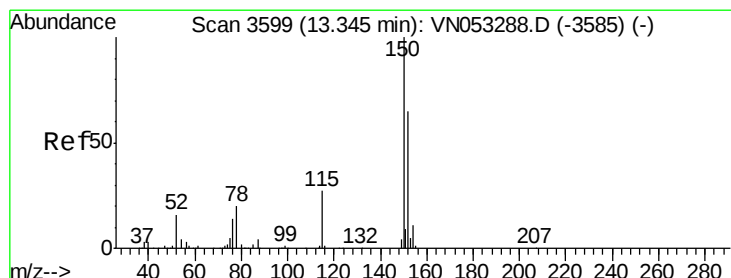
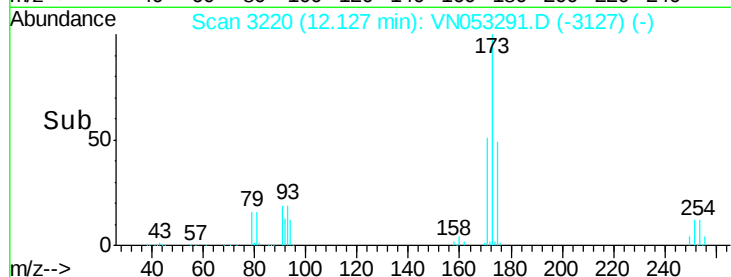
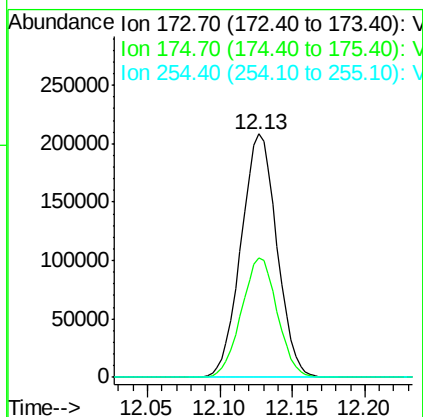
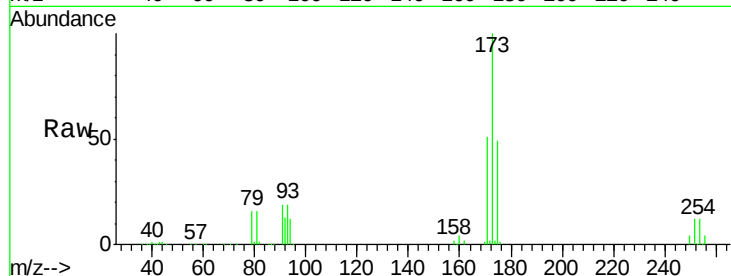
#71
Bromoform
Concen: 50.985 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.8
254	0.0	0.2	0.2

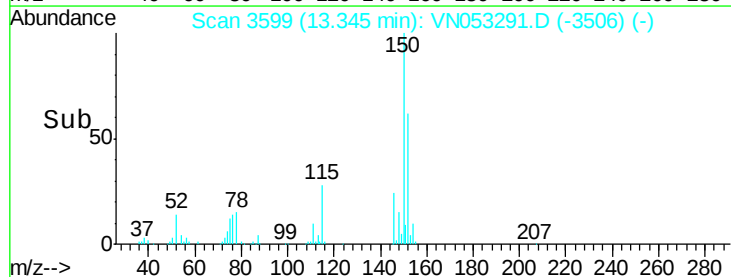
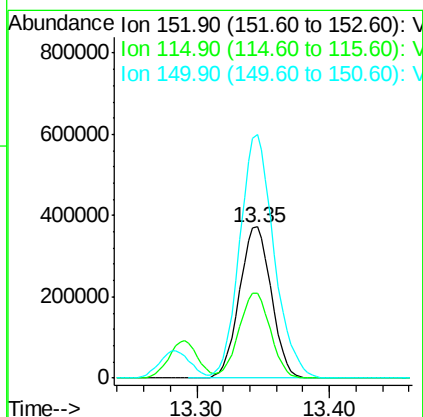
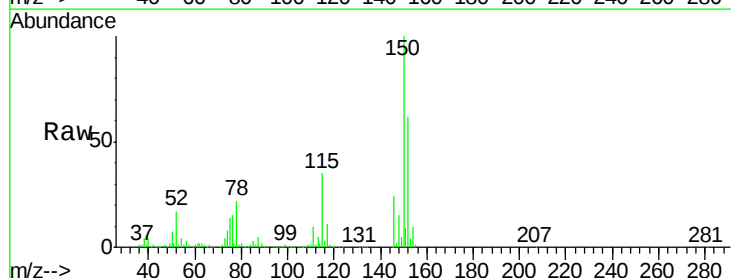
Manual Integrations
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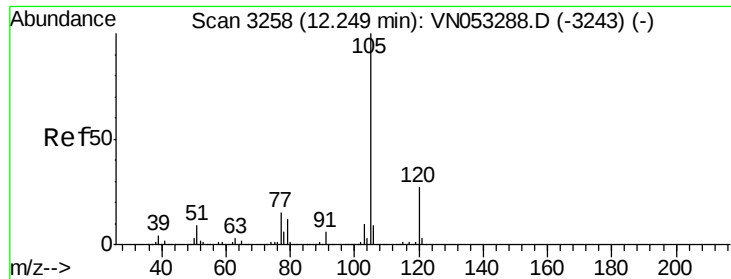
MMDadoda
1/8/2019 10:24:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	84.0
150	173.6	0.0	346.6





#73

Isopropylbenzene

Concen: 51.348 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN010519

Tot Ion:105 Resp: 2372123

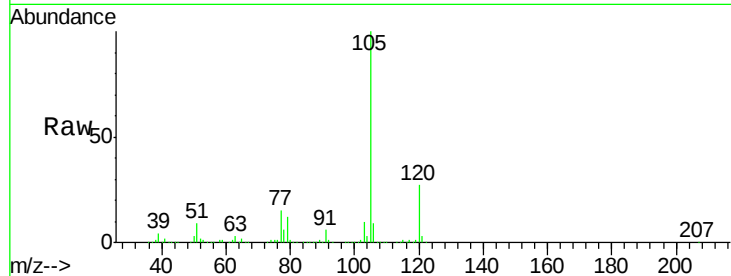
Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2

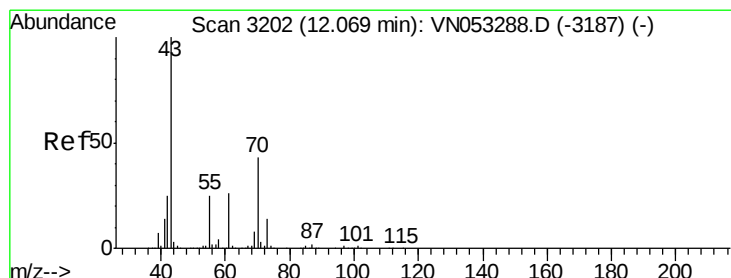
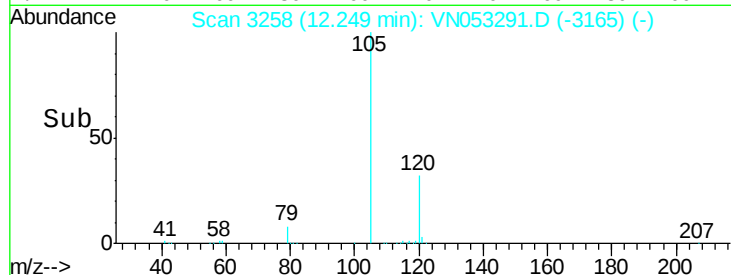
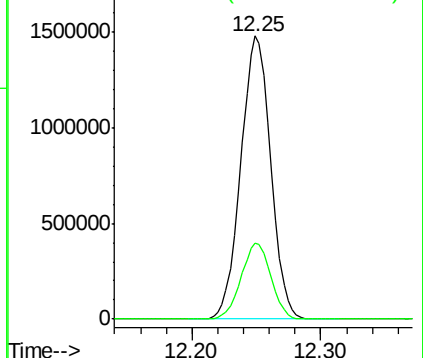
Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:25 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.453 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Tgt Ion: 43 Resp: 723581

Ion Ratio Lower Upper

43 100

70 44.4 35.0 52.6

55 25.0 20.0 30.0

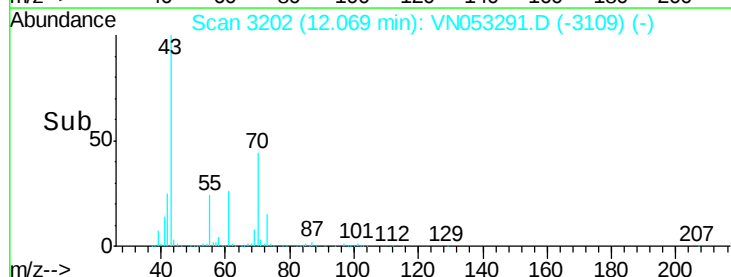
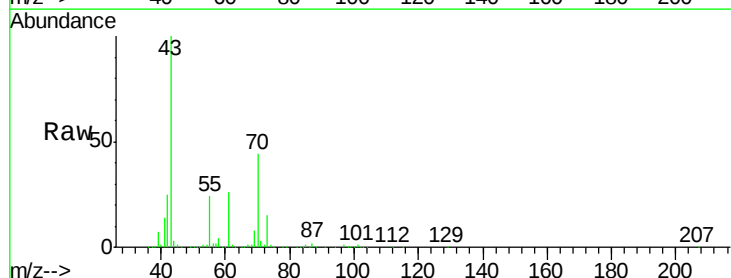
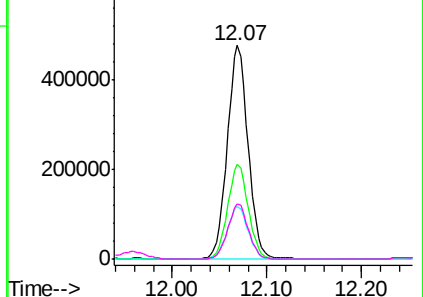
61 25.7 20.3 30.5

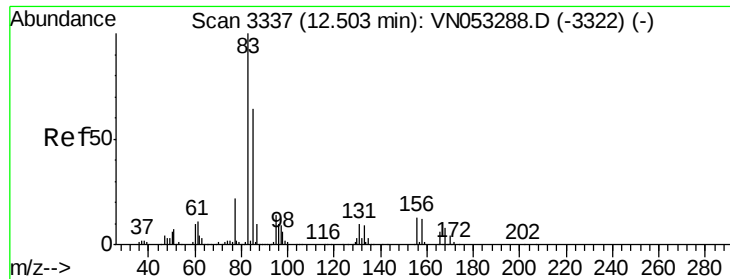
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.207 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

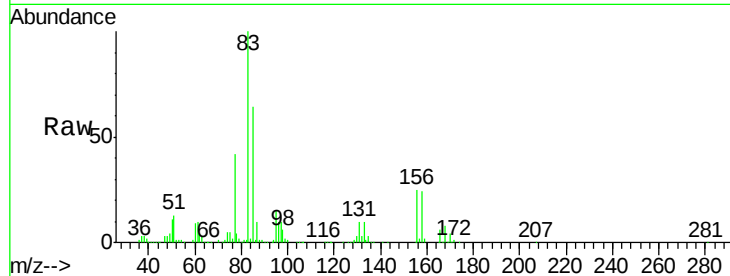
ClientSampled :

ICVVN010519

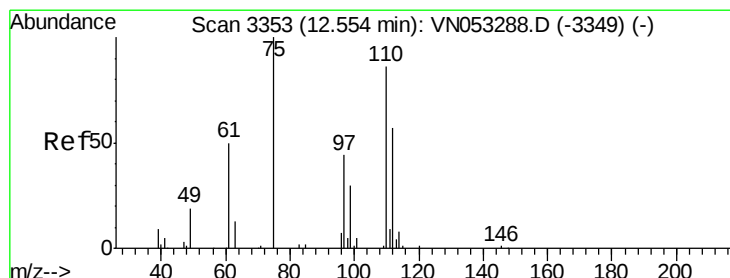
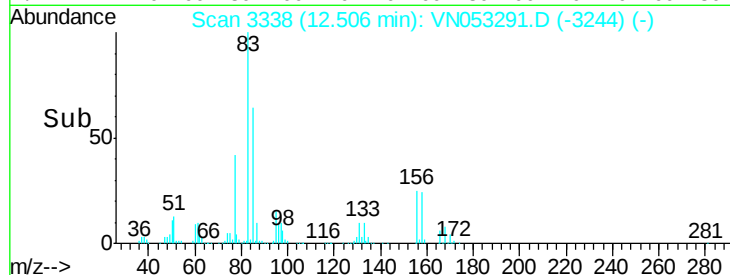
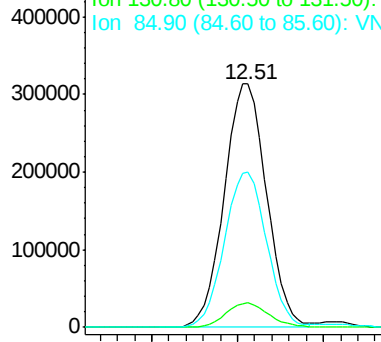
Tot Ion:	83	Resp:	533546
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	63.6	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053291.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 51.673 ug/l m

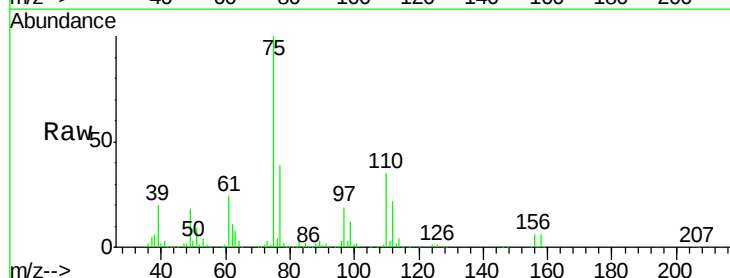
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

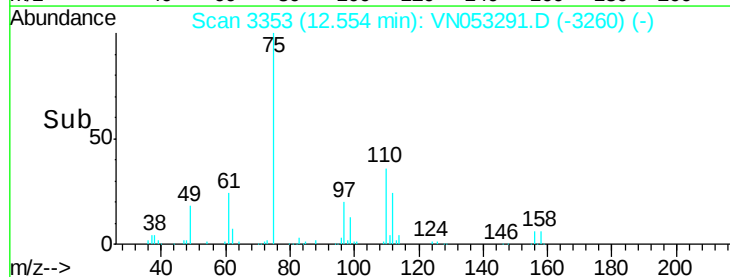
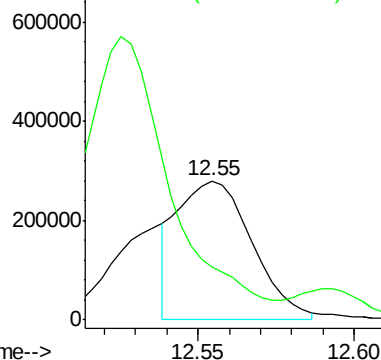
Lab File: VN053291.D

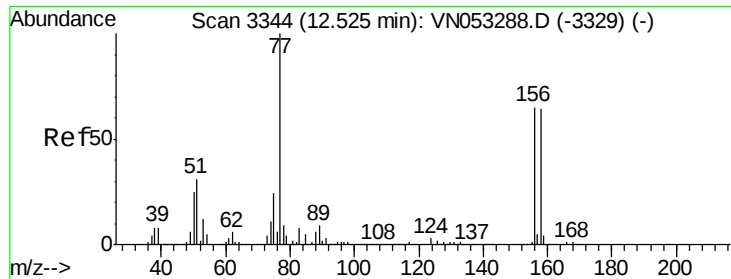
Acq: 4 Jan 2019 20:23

Tgt Ion:	75	Resp:	467644
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053291.D (-3260) (-)





#77

Bromobenzene

Concen: 50.229 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

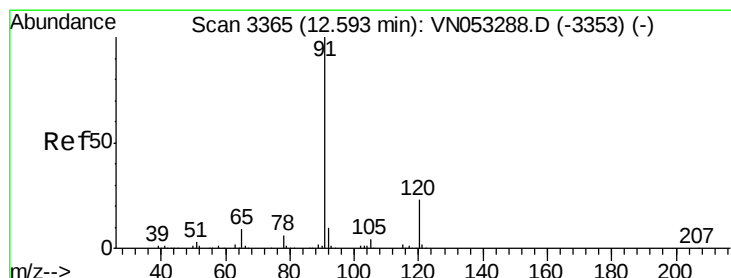
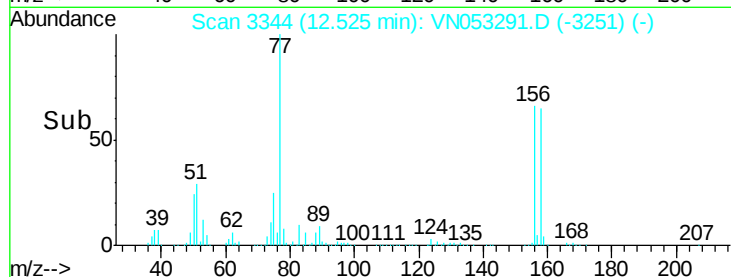
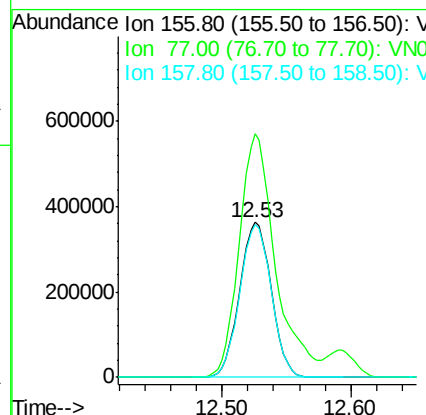
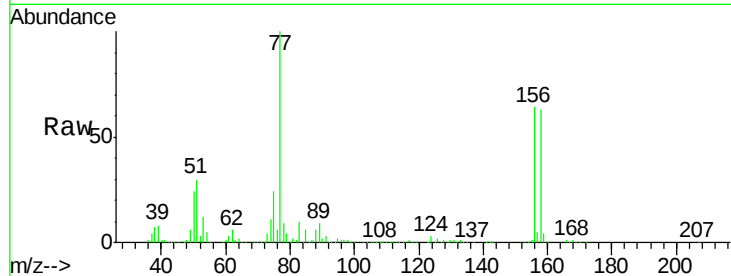
ClientSampled :

ICVVN010519

Tot Ion:	156	Resp:	619304
Ion Ratio	Lower	Upper	
156	100		
77	180.0	89.3	268.1
158	98.7	48.9	146.8

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#78

n-propylbenzene

Concen: 51.656 ug/l

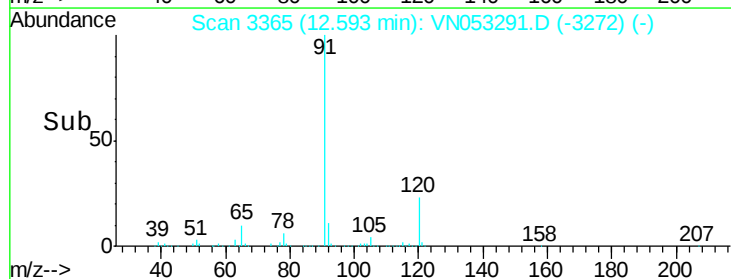
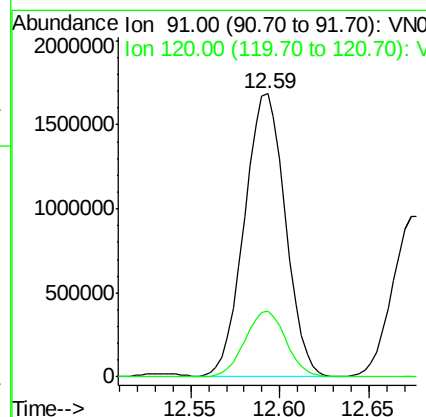
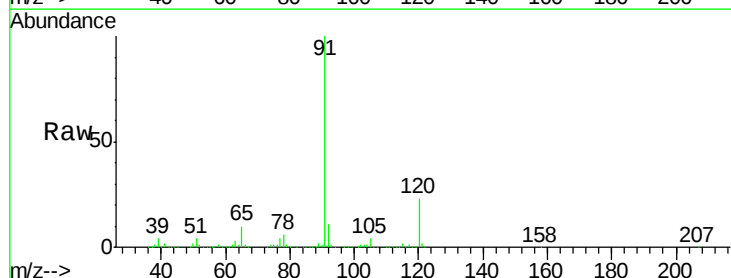
RT: 12.59 min Scan# 3365

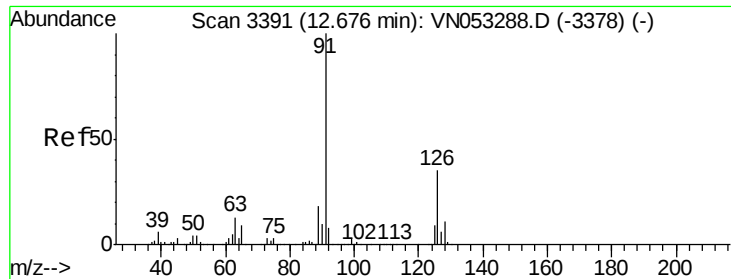
Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Tgt Ion:	91	Resp:	2699282
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.640 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN010519

Tot Ion: 91 Resp: 1601181

Ion Ratio Lower Upper

91 100

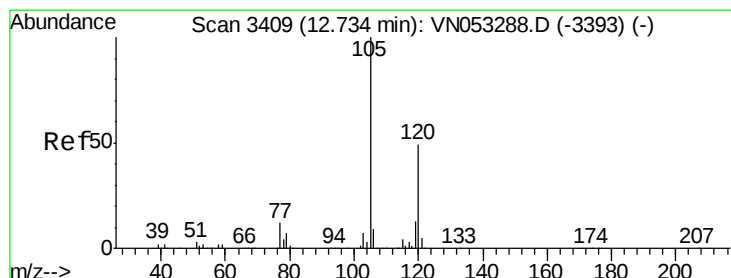
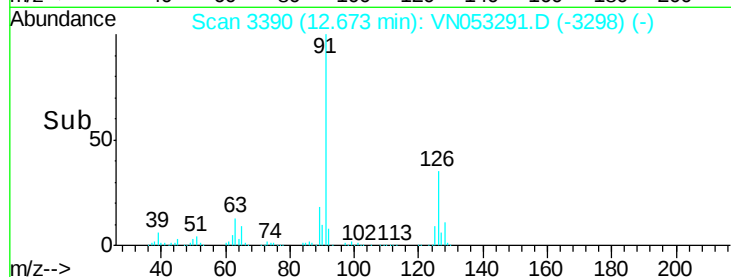
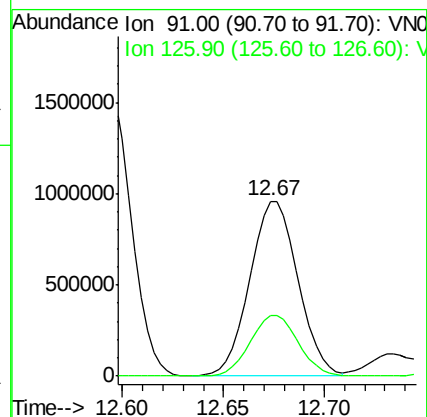
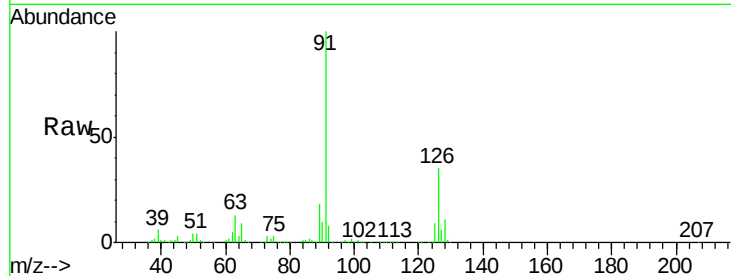
126 35.0 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.344 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053291.D

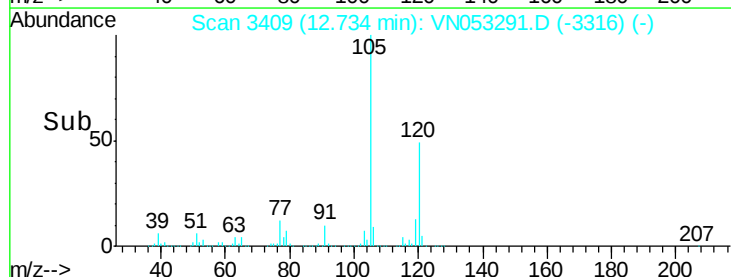
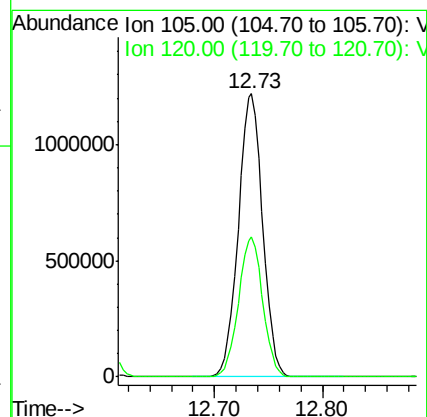
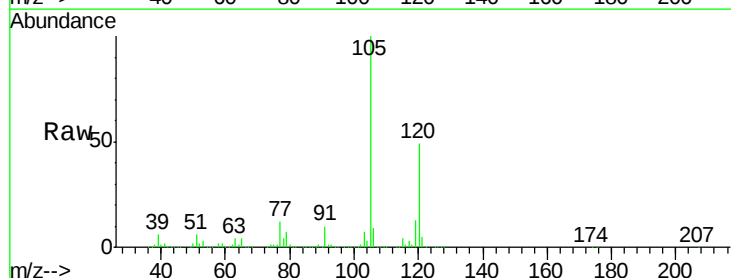
Acq: 4 Jan 2019 20:23

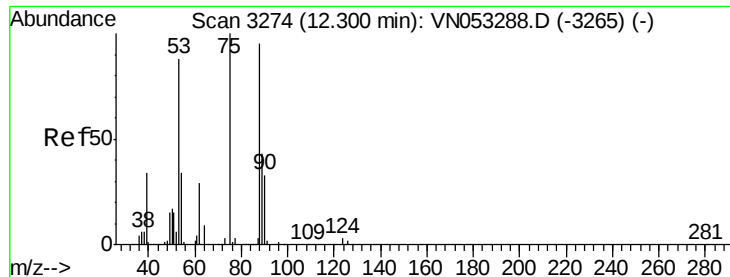
Tgt Ion: 105 Resp: 1910598

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





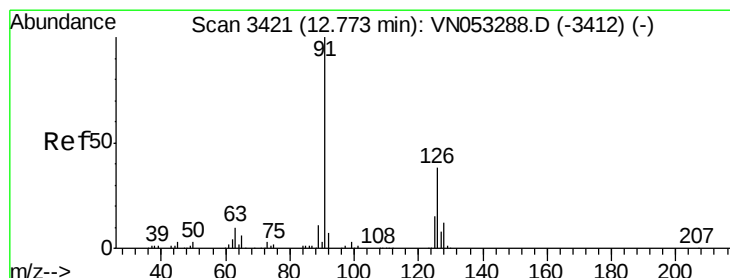
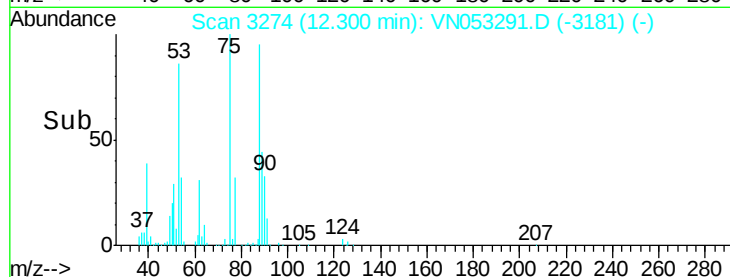
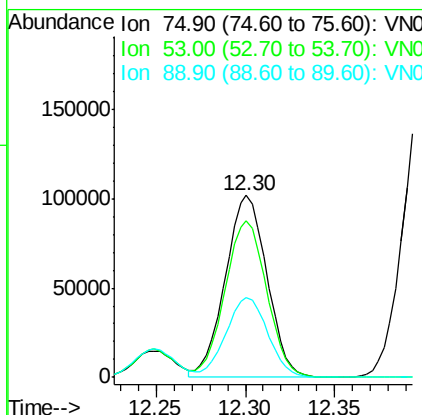
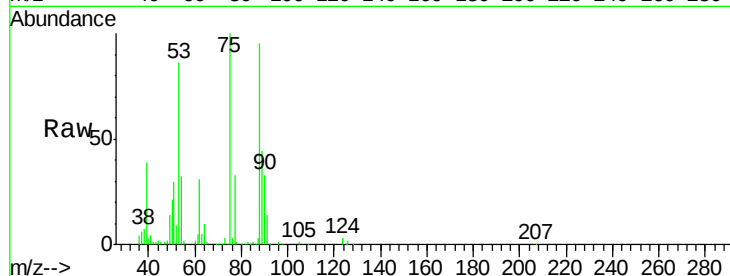
#81
trans-1,4-Dichloro-2-butene
Concen: 53.775 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN010519

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	70.5	105.7
89	44.0	35.4	53.0

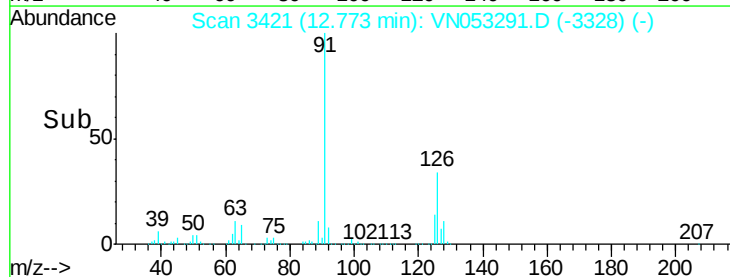
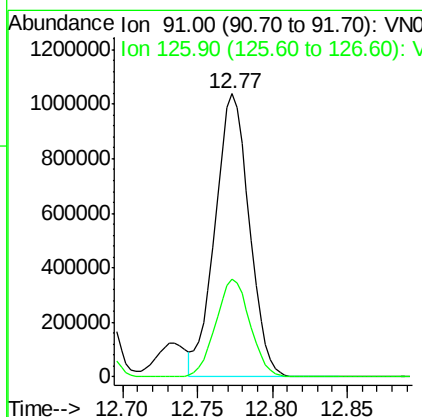
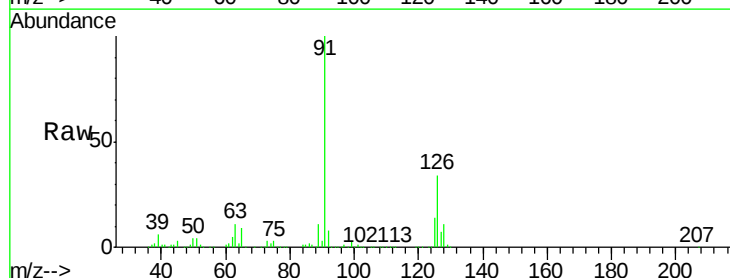
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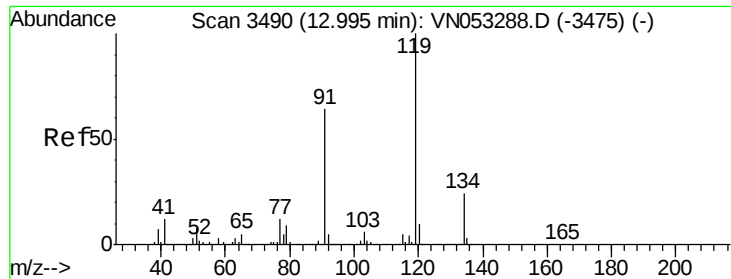
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#82
4-Chlorotoluene
Concen: 50.894 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.4	52.2





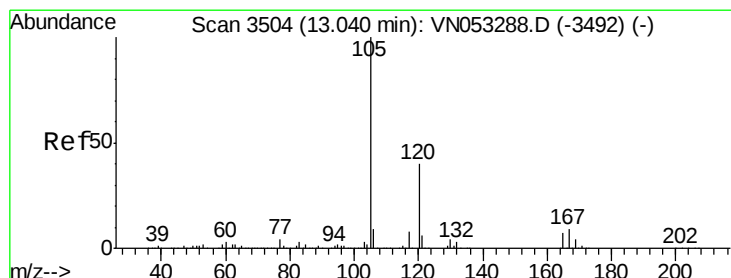
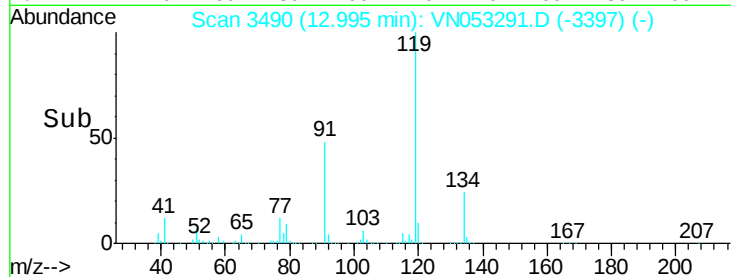
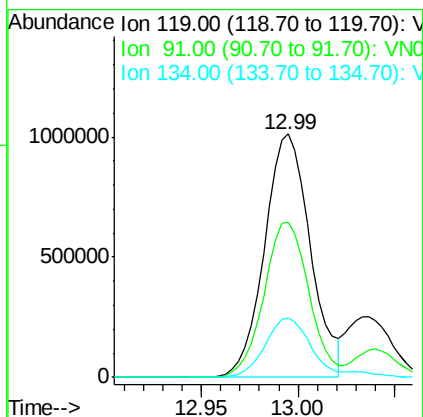
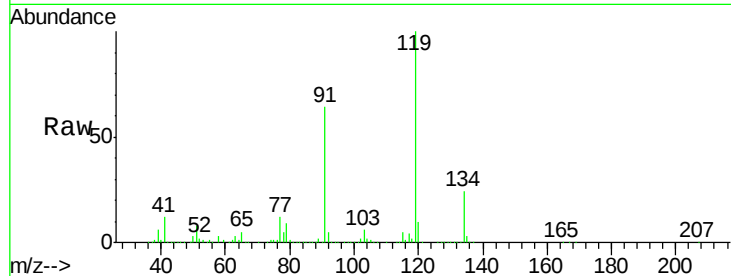
#83
 tert-Butylbenzene
 Concen: 51.092 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN010519

Tot Ion:119 Resp: 1668063
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.6 95.0
 134 25.7 12.9 38.6

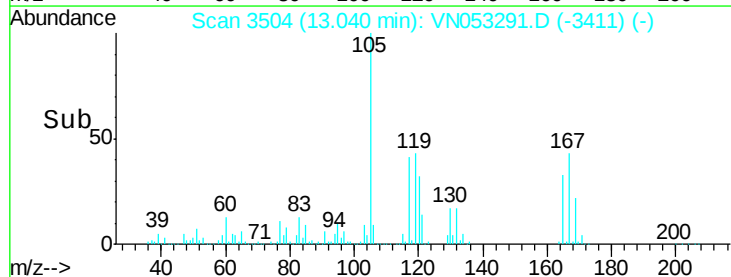
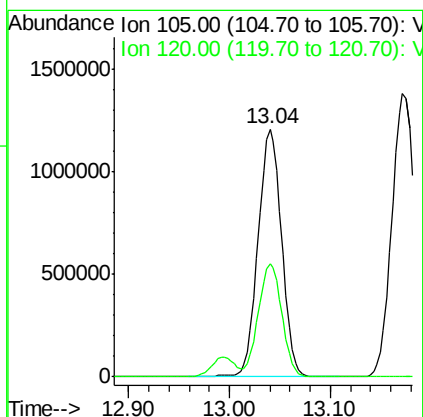
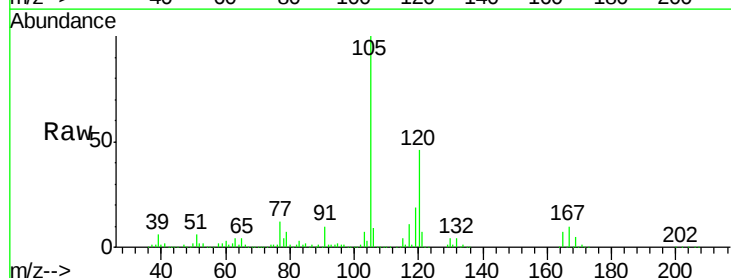
Manual Integrations
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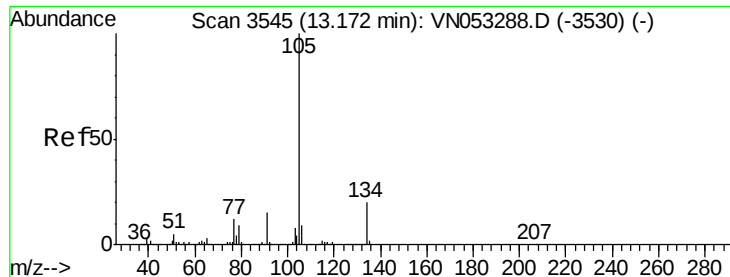
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.364 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Tgt Ion:105 Resp: 1947198
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 51.392 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN010519

Tot Ion:105 Resp: 2212740

Ion Ratio Lower Upper

105 100

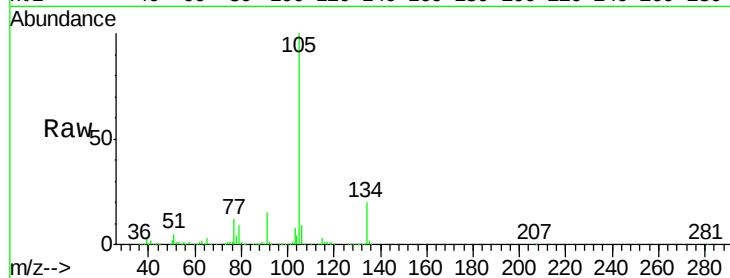
134 20.2 10.2 30.6

Manual Integrations

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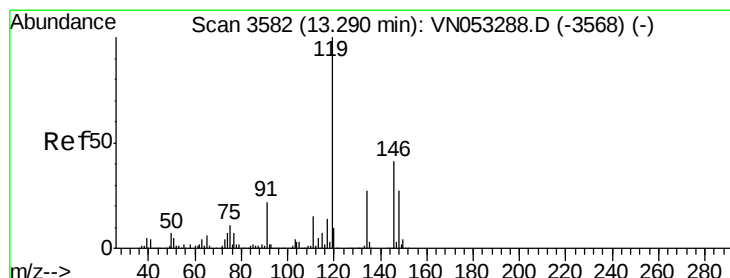
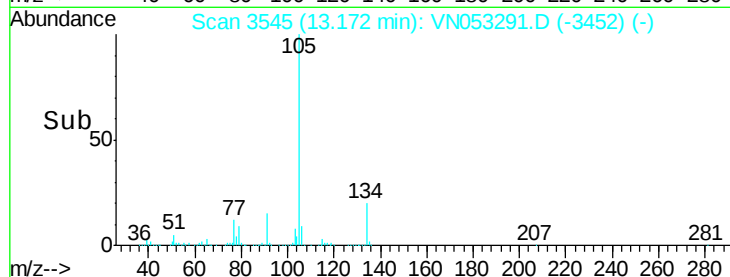
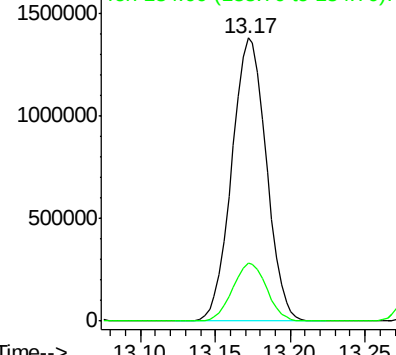
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.934 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

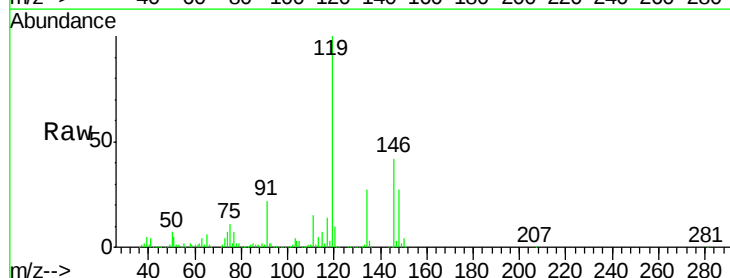
Tgt Ion:119 Resp: 1936041

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

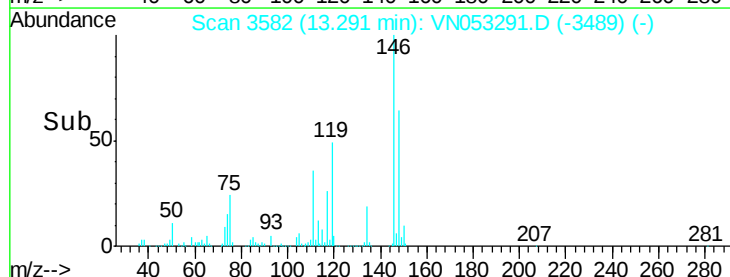
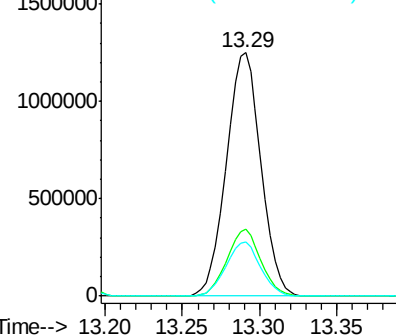
91 22.1 11.1 33.1

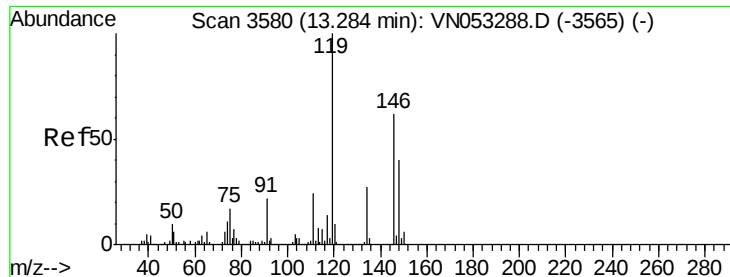


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.952 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN010519

Tot Ion:146 Resp: 1084588

Ion Ratio Lower Upper

146 100

111 37.5 18.9 56.5

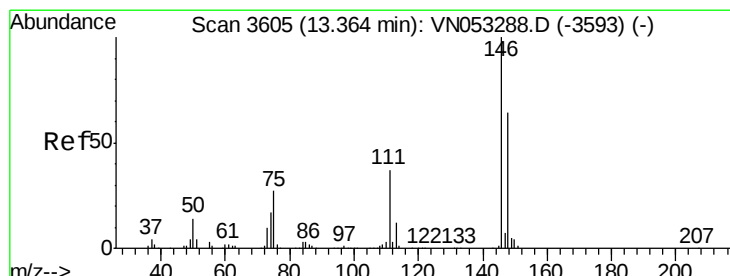
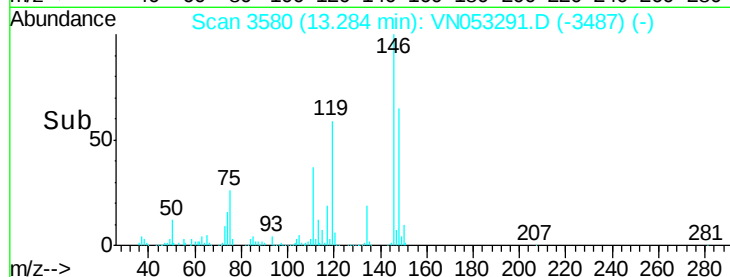
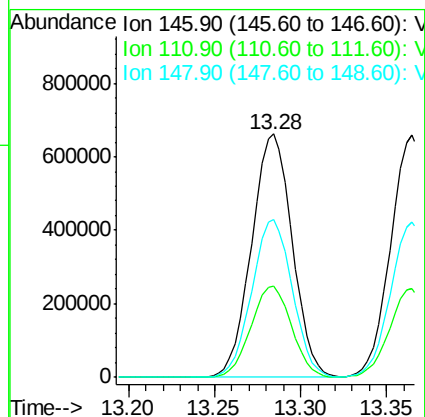
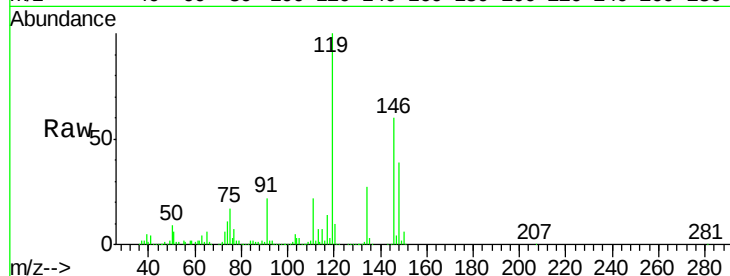
148 64.6 32.0 96.2

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#88

1,4-Dichlorobenzene

Concen: 49.766 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053291.D

Acq: 4 Jan 2019 20:23

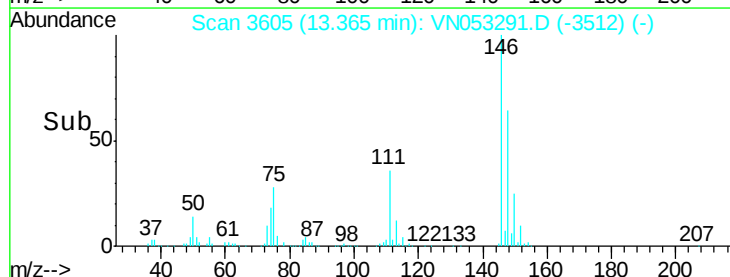
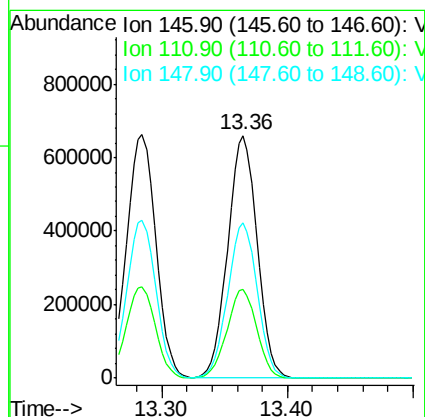
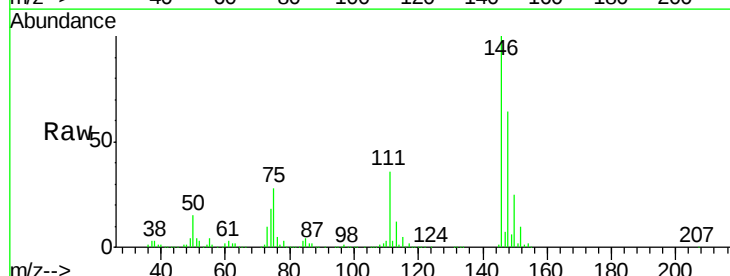
Tgt Ion:146 Resp: 1071880

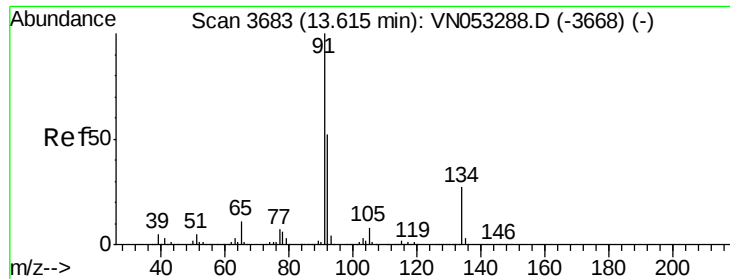
Ion Ratio Lower Upper

146 100

111 36.9 18.6 55.8

148 64.3 32.0 96.0





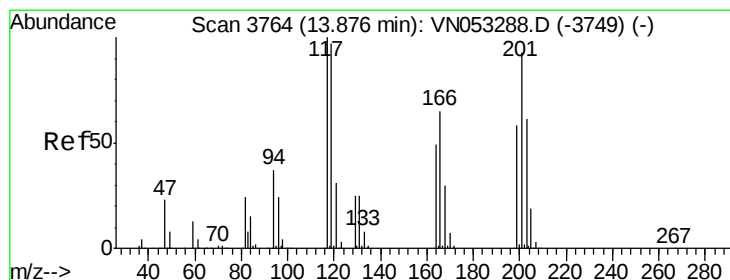
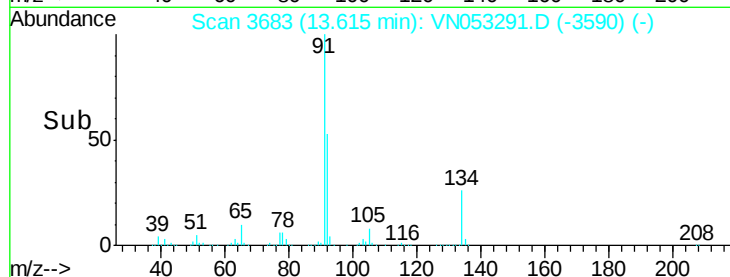
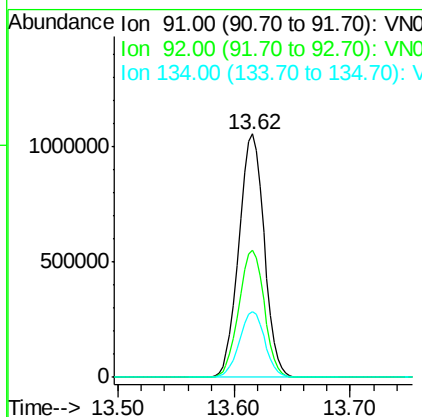
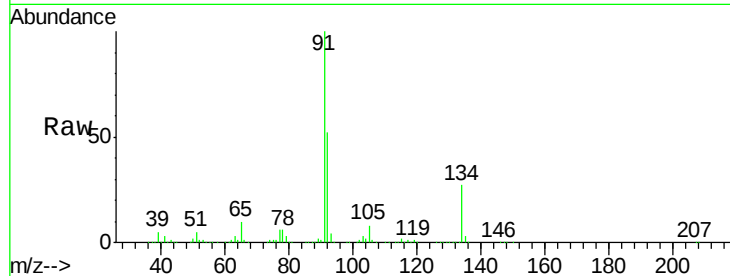
#89
n-Butylbenzene
Concen: 50.882 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN010519

Tot Ion: 91 Resp: 1590309
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.8
134 27.0 13.5 40.5

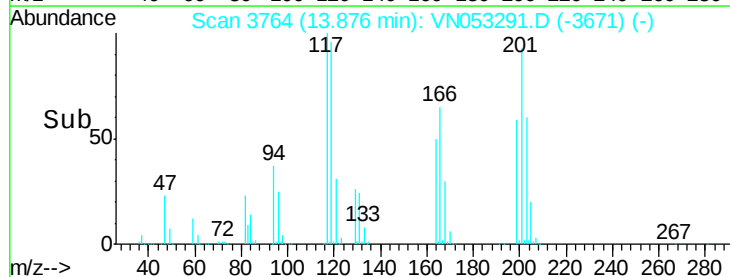
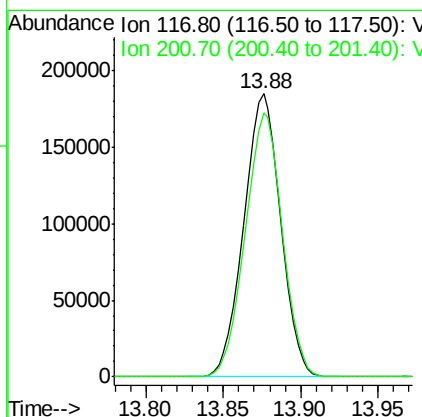
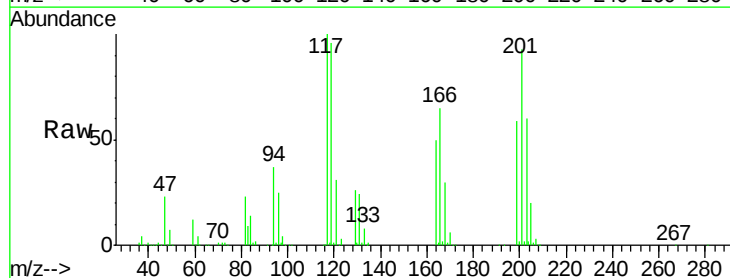
Manual Integrations
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#90
Hexachloroethane
Concen: 51.273 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion: 117 Resp: 306366
Ion Ratio Lower Upper
117 100
201 94.1 46.1 138.3





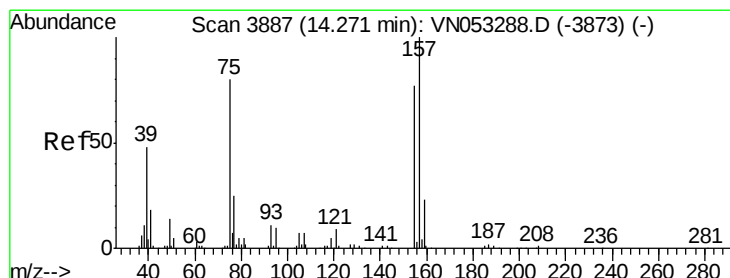
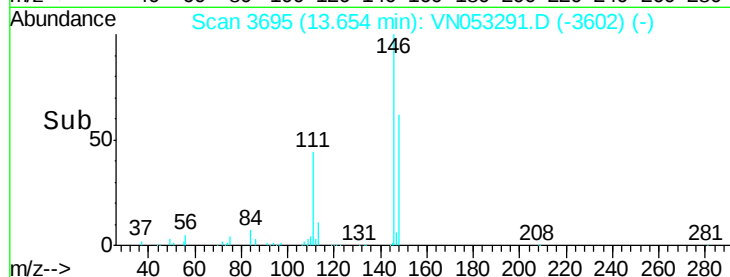
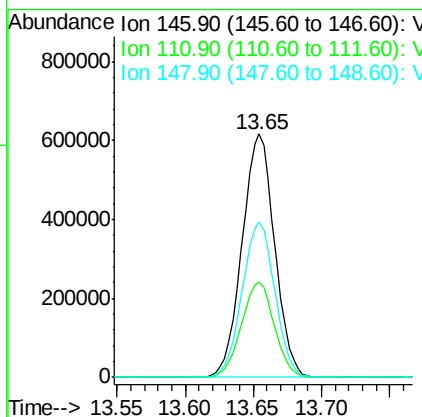
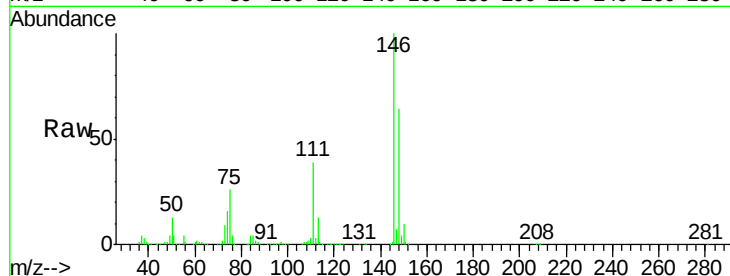
#91
 1,2-Dichlorobenzene
 Concen: 50.112 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN010519

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.2
148	64.2	32.2	96.6

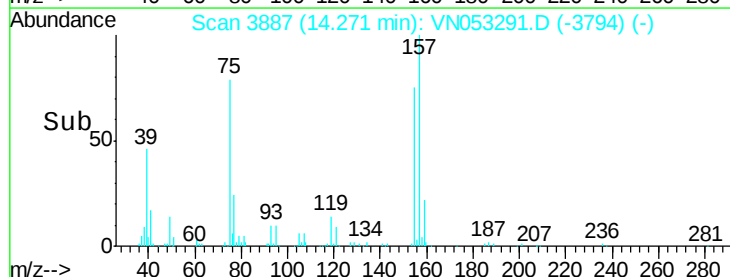
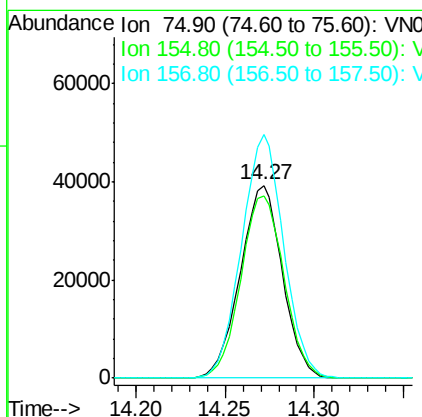
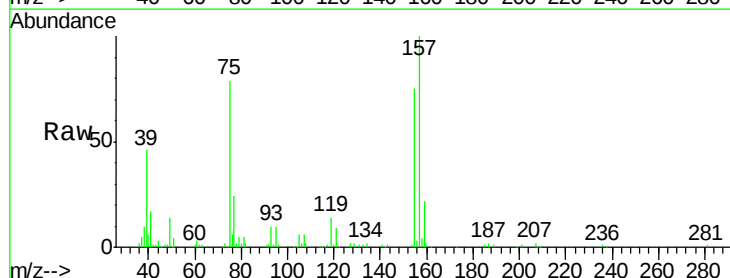
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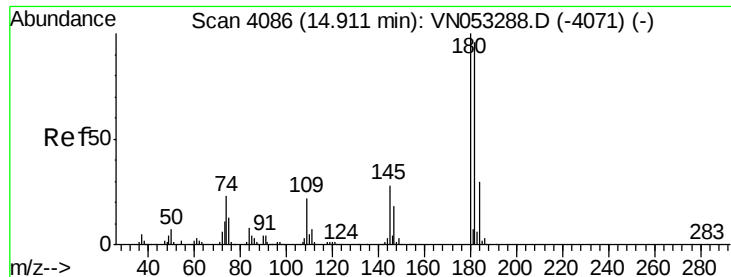
MMDadoda
 1/8/2019 10:24:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.253 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	48.1	144.3
157	126.5	61.5	184.4





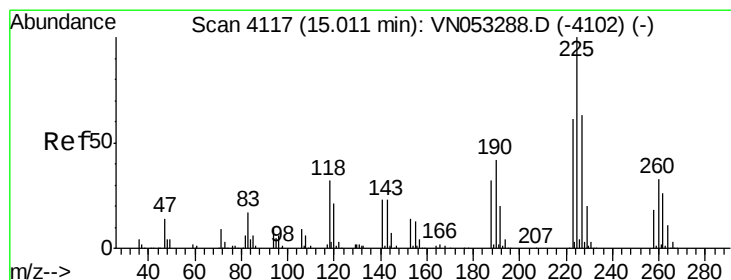
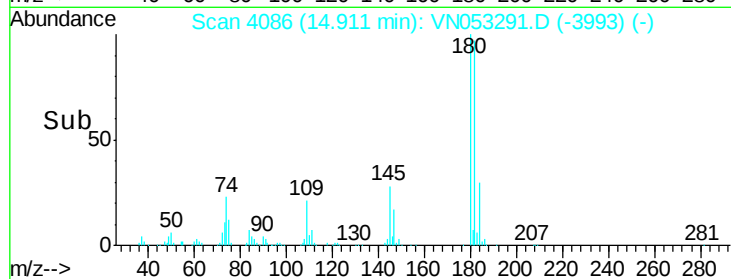
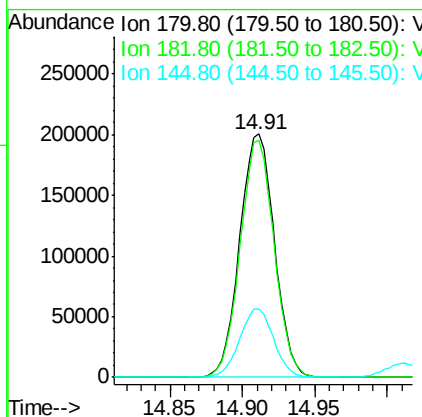
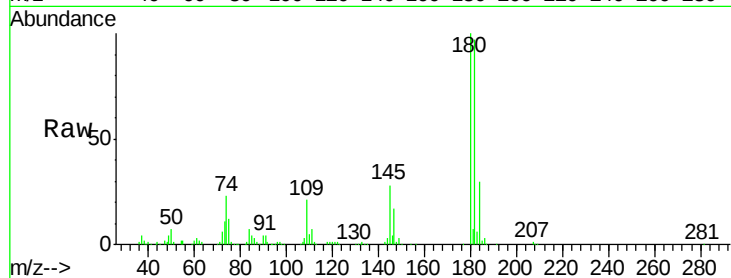
#93
 1,2,4-Trichlorobenzene
 Concen: 52.198 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN010519

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.8	143.4	
145	27.8	14.4	43.0	

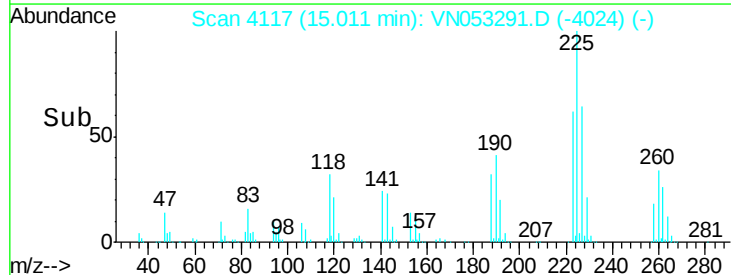
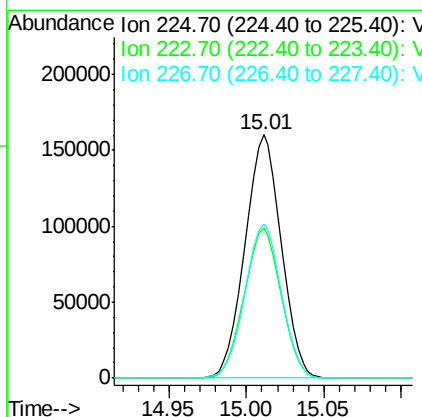
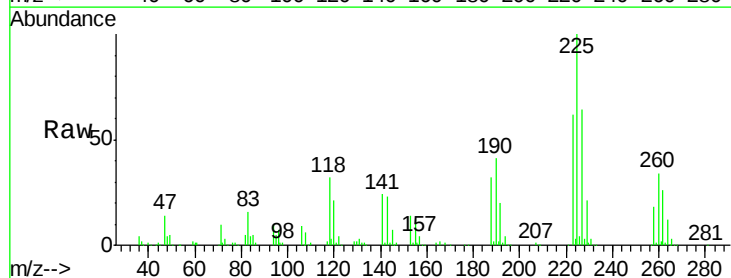
Manual Integrations
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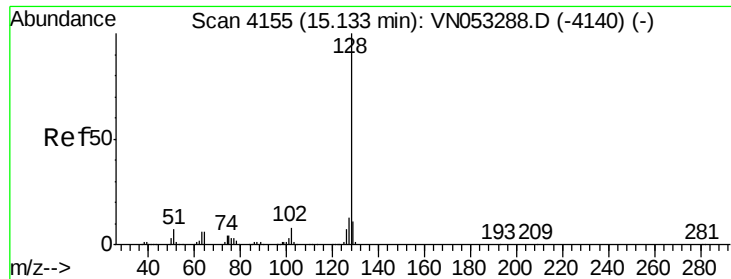
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 1/8/2019 10:24:25 AM



#94
 Hexachlorobutadiene
 Concen: 49.984 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053291.D
 Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	30.9	92.8	
227	63.9	31.4	94.2	





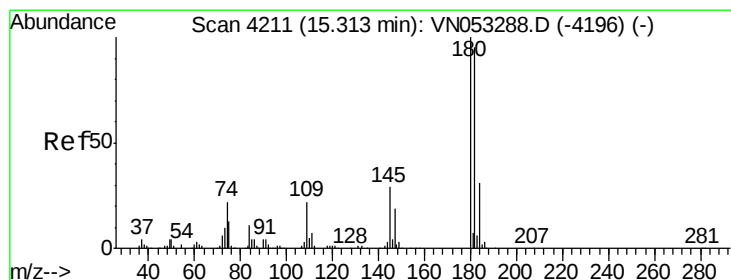
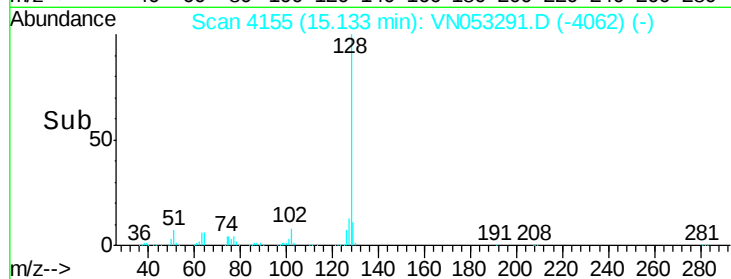
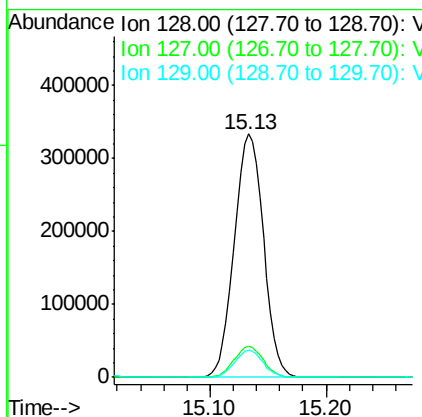
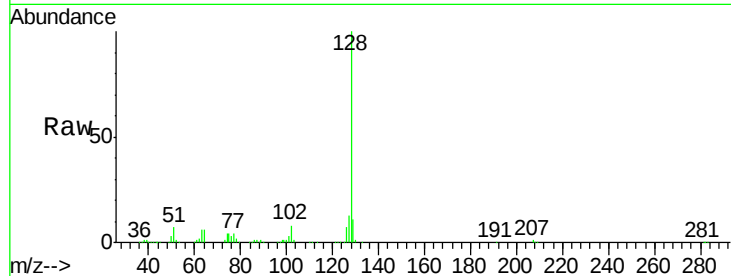
#95
Naphthalene
Concen: 53.272 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN010519

Tot Ion	Ratio	Resp	Lower	Upper
128	100	581164		
127	12.7		10.4	15.6
129	10.7		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.302 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053291.D
Acq: 4 Jan 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	218979		
182	96.5		48.4	145.0
145	30.4		14.9	44.5

