

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053289.D
 Acq On : 4 Jan 2019 19:02
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:15 AM

Quant Time: Jan 07 09:32:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:27:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	925142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1407517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1274274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	634823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	945879	99.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.72%	
35) Dibromofluoromethane	7.59	113	813016	102.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.20%	
50) Toluene-d8	10.09	98	3433352	99.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.86%	
62) 4-Bromofluorobenzene	12.40	95	1216038	101.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	841262	100.159	ug/l	99
3) Chloromethane	2.06	50	1119678	100.578	ug/l	99
4) Vinyl Chloride	2.19	62	1102223	101.320	ug/l	100
5) Bromomethane	2.55	94	703171	103.086	ug/l	99
6) Chloroethane	2.70	64	642090	101.633	ug/l	99
7) Trichlorofluoromethane	3.02	101	1404598	102.414	ug/l	100
8) Diethyl Ether	3.41	74	565714	103.036	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	890392	103.229	ug/l	100
10) Methyl Iodide	3.96	142	1343153	105.054	ug/l	100
11) Tert butyl alcohol	4.78	59	272544	443.474	ug/l	99
12) 1,1-Dichloroethene	3.74	96	874529	102.469	ug/l	99
13) Acrolein	3.61	56	385071	548.834	ug/l	99
14) Allyl chloride	4.33	41	1404232	105.109	ug/l	99
15) Acrylonitrile	4.99	53	1770513	505.041	ug/l	100
16) Acetone	3.82	43	1146939	490.112	ug/l	98
17) Carbon Disulfide	4.06	76	2703307	103.844	ug/l	100
18) Methyl Acetate	4.32	43	847047	105.794	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	2483726	102.916	ug/l	100
20) Methylene Chloride	4.55	84	995964	101.382	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	944269	103.102	ug/l	99
22) Diisopropyl ether	5.95	45	3017389	100.764	ug/l	99
23) Vinyl Acetate	5.90	43	9911541	515.067	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1752848	102.412	ug/l	100
25) 2-Butanone	6.83	43	1957223	497.629	ug/l	100
26) 2,2-Dichloropropane	6.83	77	1281165	103.617	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1081068	102.245	ug/l	99
28) Bromochloromethane	7.19	49	753753	99.083	ug/l	100
29) Tetrahydrofuran	7.21	42	1309273	499.441	ug/l	100
30) Chloroform	7.37	83	1689887	100.753	ug/l	98
31) Cyclohexane	7.65	56	1637151	101.427	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	1449399	103.414	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1351665	103.780	ug/l	99
37) Ethyl Acetate	6.93	43	881310	101.718	ug/l	99
38) Carbon Tetrachloride	7.78	117	1261359	103.594	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1581362	103.927	ug/l	100
40) Benzene	8.04	78	4072493	101.734	ug/l	100
41) Methacrylonitrile	7.17	41	555010m	112.384	ug/l	
42) 1,2-Dichloroethane	8.12	62	1200136	102.037	ug/l	99
43) Isopropyl Acetate	8.16	43	1599982	102.218	ug/l	99
44) Trichloroethene	8.84	130	1115107	102.173	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1075172	102.405	ug/l	99
46) Dibromomethane	9.21	93	624282	100.859	ug/l	100
47) Bromodichloromethane	9.40	83	1316013	103.113	ug/l	100
48) Methyl methacrylate	9.20	41	802016	102.318	ug/l	99
49) 1,4-Dioxane	9.20	88	143302	1578.644	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	4360129	500.989	ug/l	100
52) Toluene	10.16	92	2515355	100.560	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1399660	104.192	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1593341	102.796	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	898493	100.046	ug/l	98
56) Ethyl methacrylate	10.43	69	1272354	103.252	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1555116	102.465	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	3357059	509.912	ug/l	100
59) 2-Hexanone	10.75	43	3001813	497.855	ug/l	99
60) Dibromochloromethane	10.90	129	1026310	102.230	ug/l	100
61) 1,2-Dibromoethane	11.01	107	924542	101.662	ug/l	99
64) Tetrachloroethene	10.63	164	1191927	98.471	ug/l	99
65) Chlorobenzene	11.43	112	2777388	100.303	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	997965	102.189	ug/l	100
67) Ethyl Benzene	11.51	91	4842168	101.117	ug/l	100
68) m/p-Xylenes	11.62	106	3671954	201.162	ug/l	100
69) o-Xylene	11.95	106	1790651	101.230	ug/l	99
70) Styrene	11.96	104	2991353	102.061	ug/l	99
71) Bromoform	12.13	173	730899	103.596	ug/l #	99
73) Isopropylbenzene	12.25	105	4686417	97.414	ug/l	100
74) N-amyl acetate	12.07	43	1469581	100.035	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1048628	98.474	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	886552m	98.329	ug/l	
77) Bromobenzene	12.53	156	1237804	98.389	ug/l	99
78) n-propylbenzene	12.59	91	5394861	98.360	ug/l	99
79) 2-Chlorotoluene	12.68	91	3181296	98.181	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3836238	99.036	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	343016	102.069	ug/l	99
82) 4-Chlorotoluene	12.77	91	3312839	99.753	ug/l	100
83) tert-Butylbenzene	12.99	119	3319875	99.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3920546	99.304	ug/l	100
85) sec-Butylbenzene	13.17	105	4455528	99.856	ug/l	100
86) p-Isopropyltoluene	13.29	119	3943681	100.674	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2225649	101.140	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2196893	101.106	ug/l	100
89) n-Butylbenzene	13.62	91	3342880	103.084	ug/l	100
90) Hexachloroethane	13.88	117	653953	104.779	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2065394	98.934	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	130815	93.931	ug/l	99

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VSTDICC100

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	682143	98.606	ug/l	99
94) Hexachlorobutadiene	15.01	225	519055	94.647	ug/l	99
95) Naphthalene	15.13	128	1229325	102.376	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	448684	100.829	ug/l	100

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

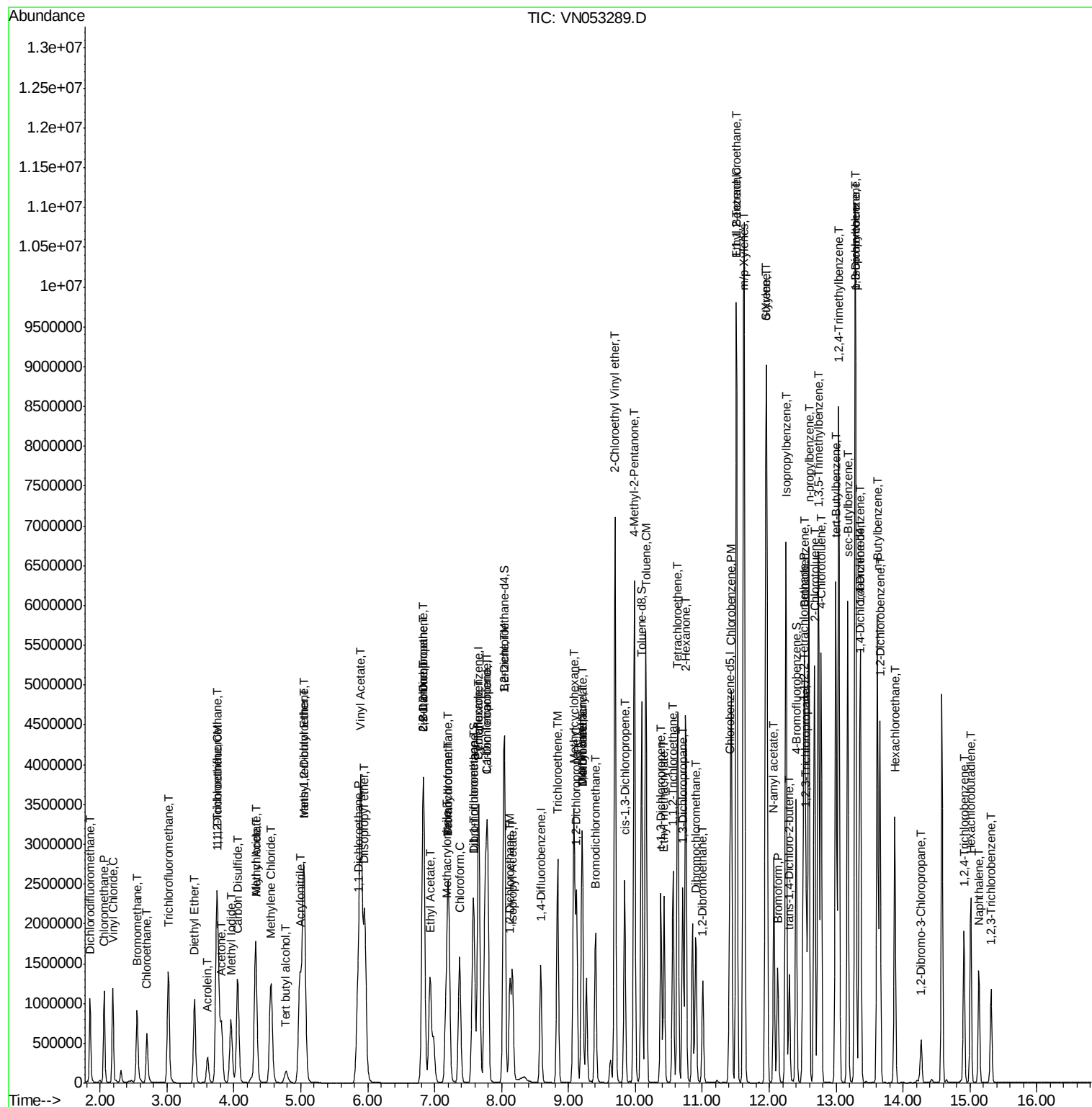
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Data File : VN053289.D
Acq On : 4 Jan 2019 19:02
Operator : MD\SY
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 28

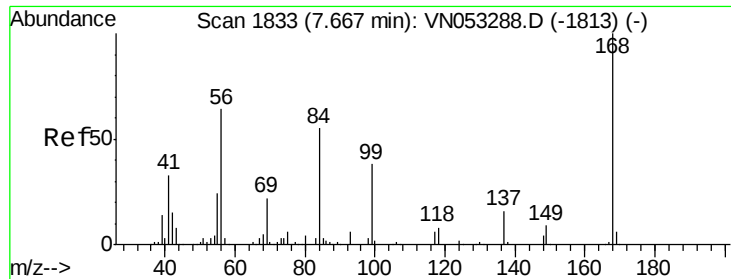
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC100

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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: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 925142

Ion Ratio Lower Upper

168 100

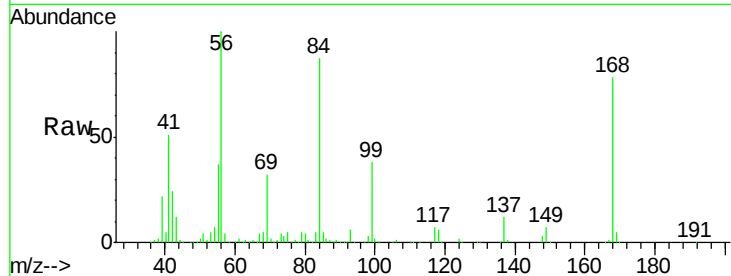
99 49.3 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

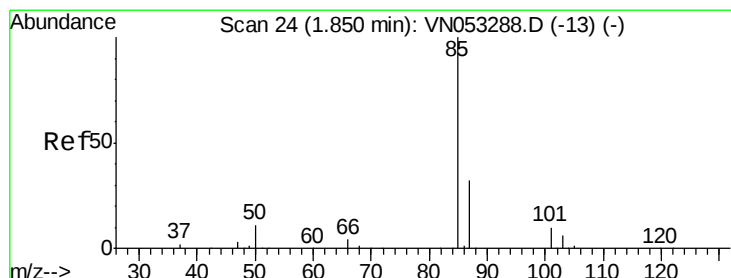
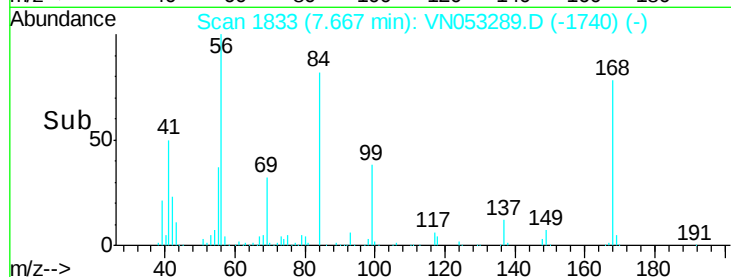
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 100.159 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053289.D

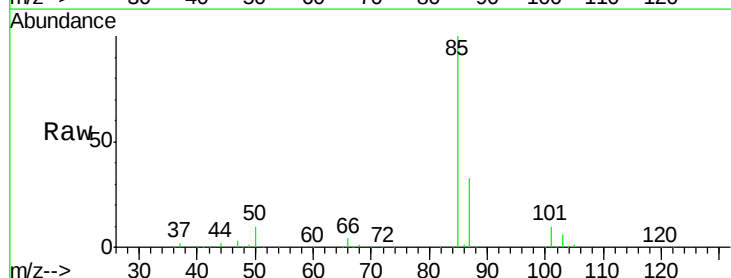
Acq: 4 Jan 2019 19:02

Tgt Ion: 85 Resp: 841262

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

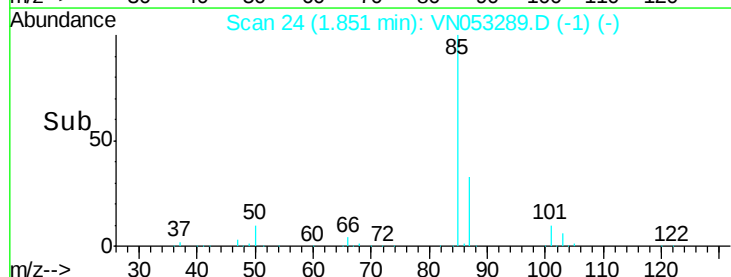
600000

400000

200000

0

Time-->





#3

Chloromethane

Concen: 100.578 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 1119678

Ion Ratio Lower Upper

50 100

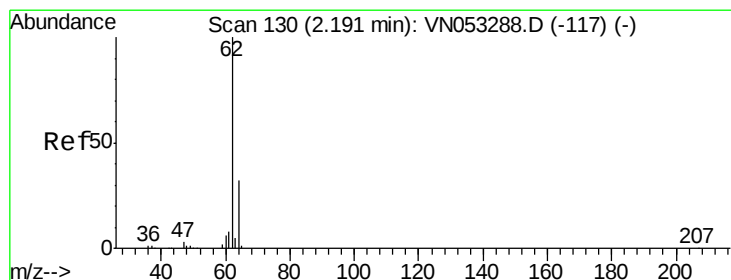
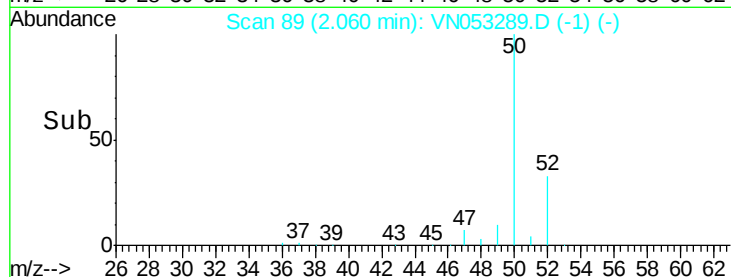
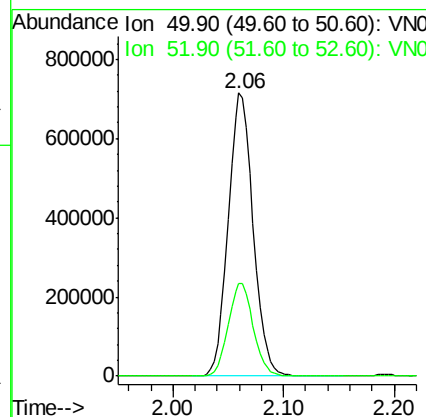
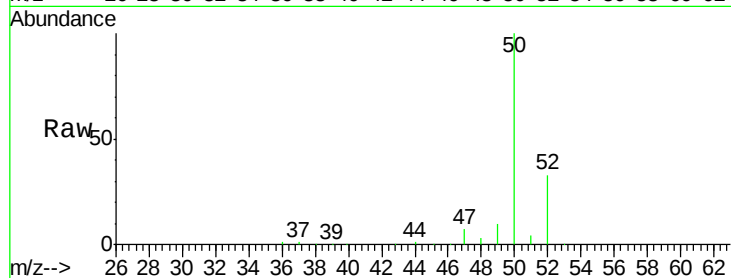
52 32.9 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 101.320 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053289.D

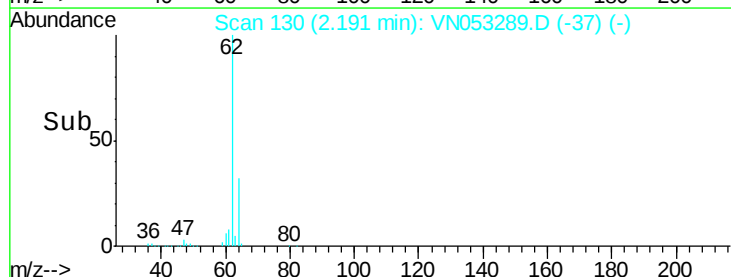
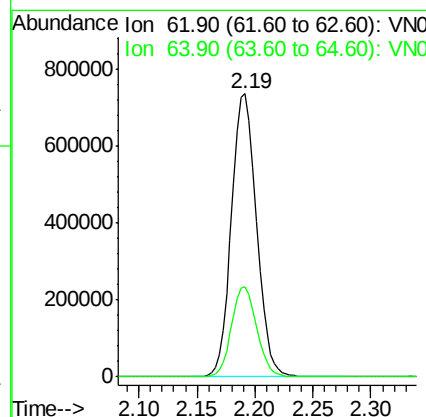
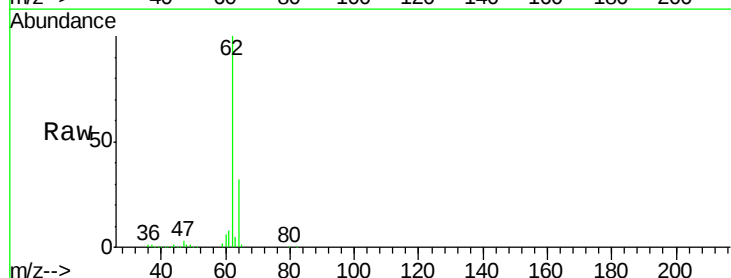
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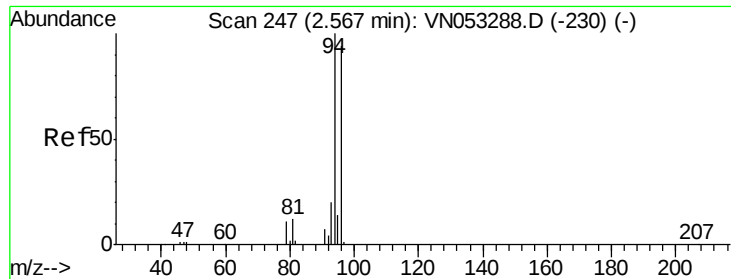
Tgt Ion: 62 Resp: 1102223

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 103.086 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 703171

Ion Ratio Lower Upper

94 100

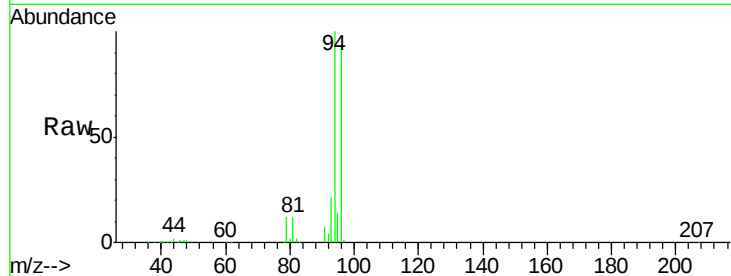
96 94.5 74.9 112.3

Manual Integrations

APPROVED

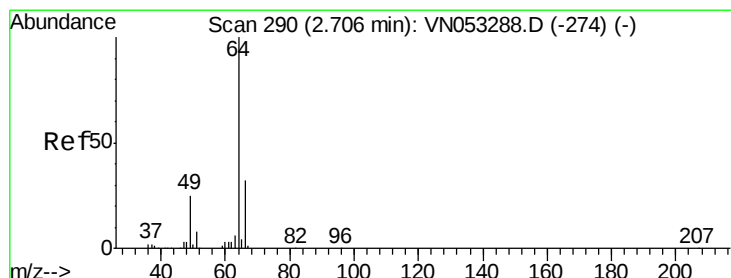
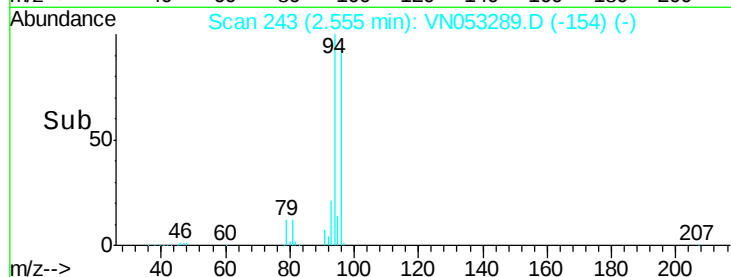
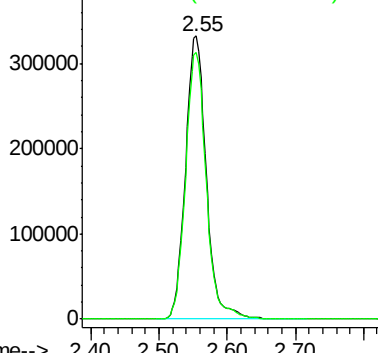
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 101.633 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN053289.D

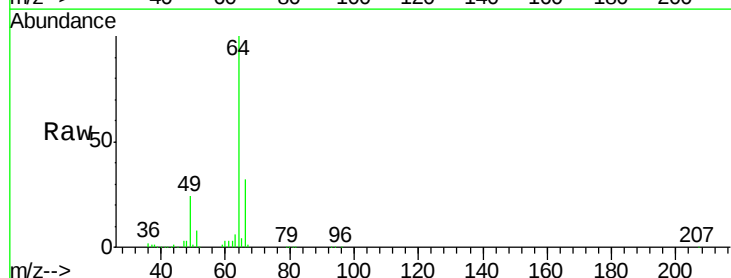
Acq: 4 Jan 2019 19:02

Tgt Ion: 64 Resp: 642090

Ion Ratio Lower Upper

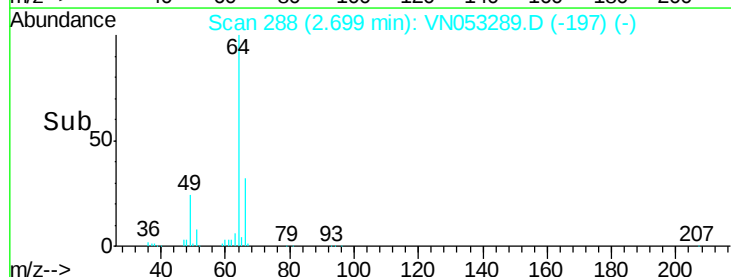
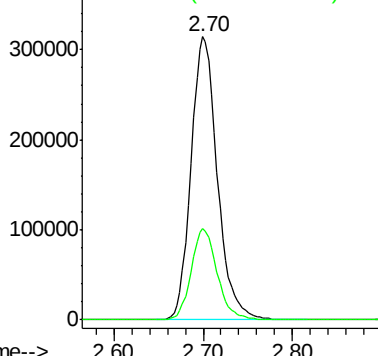
64 100

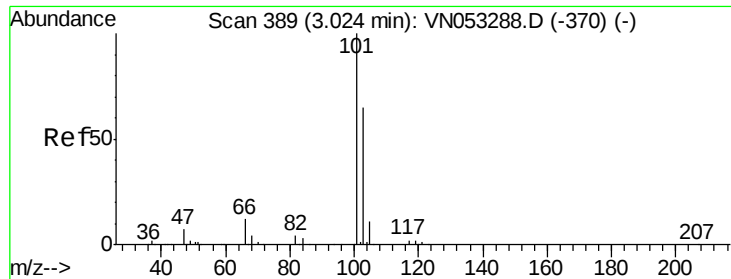
66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

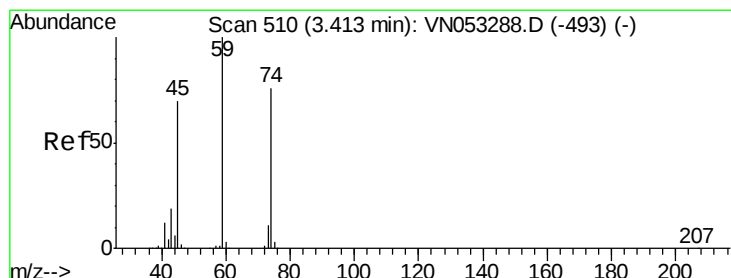
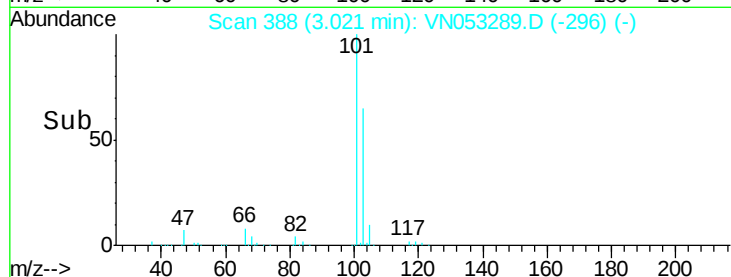
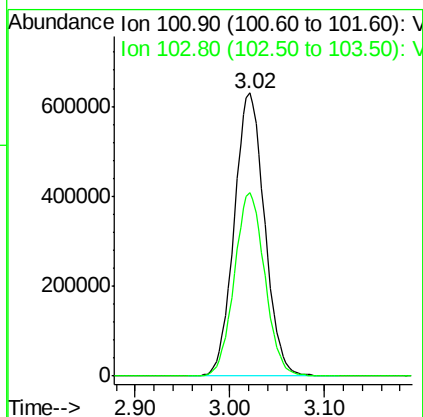
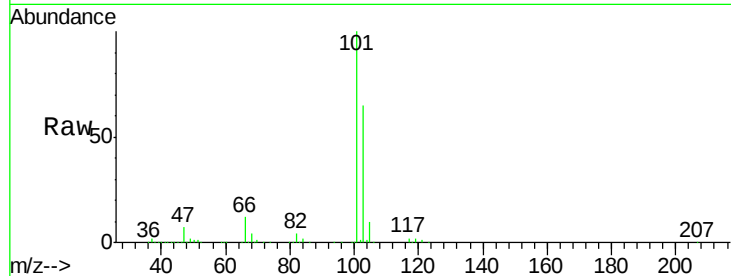
Trichlorofluoromethane
Concen: 102.414 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1404598
Ion Ratio Lower Upper
101 100
103 64.8 52.1 78.1

Manual Integrations
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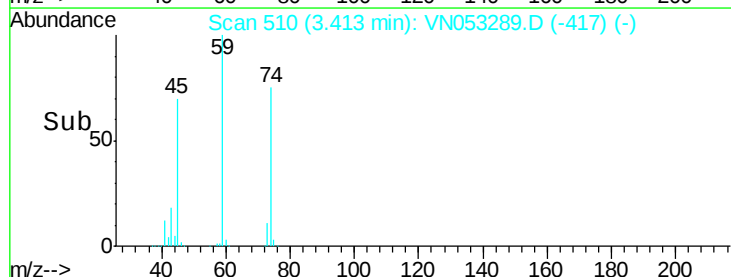
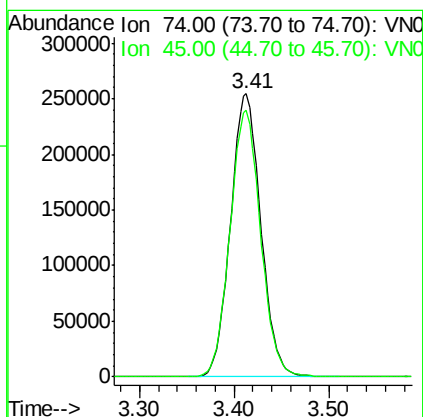
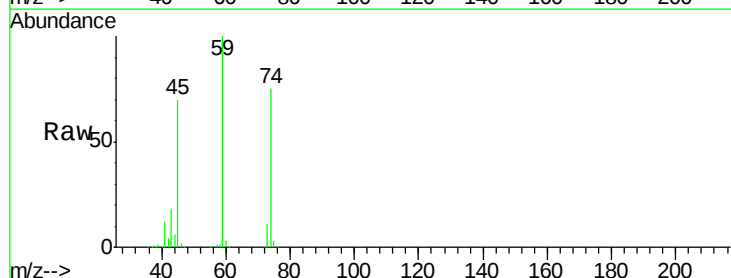
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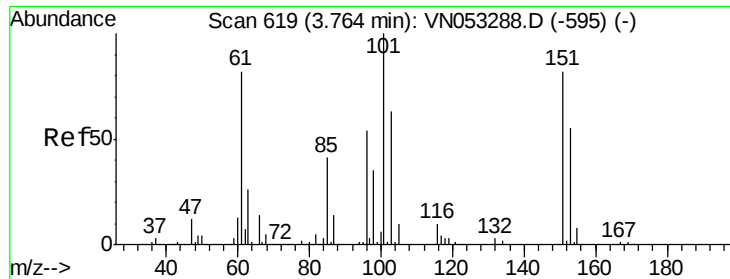


#8

Diethyl Ether
Concen: 103.036 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion: 74 Resp: 565714
Ion Ratio Lower Upper
74 100
45 95.2 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.229 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

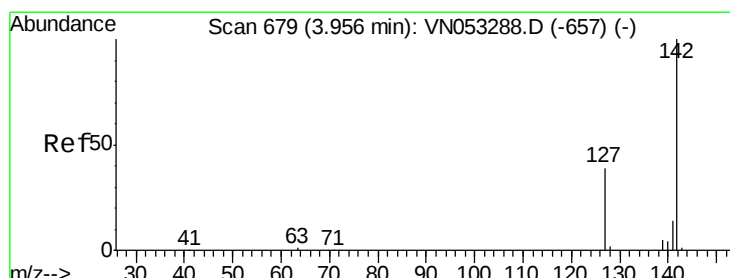
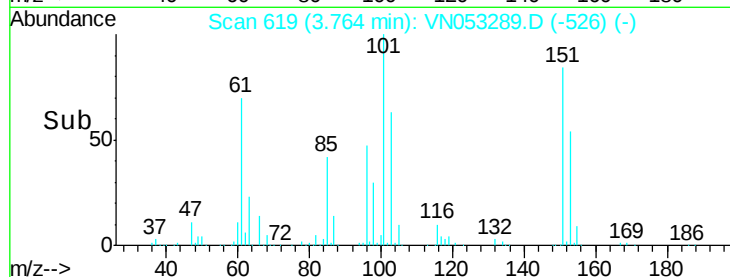
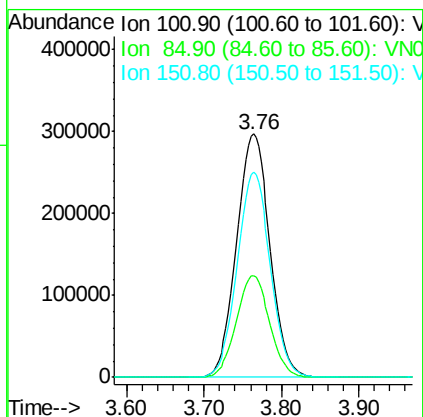
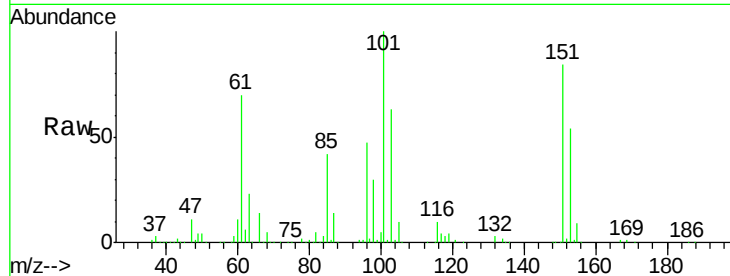
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	890392
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.3	49.9
151	83.8	67.0	100.4

Manual Integrations
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1/8/2019 10:24:15 AM



#10

Methyl Iodide

Concen: 105.054 ug/l

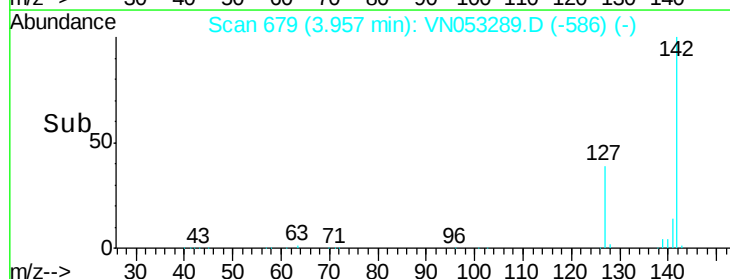
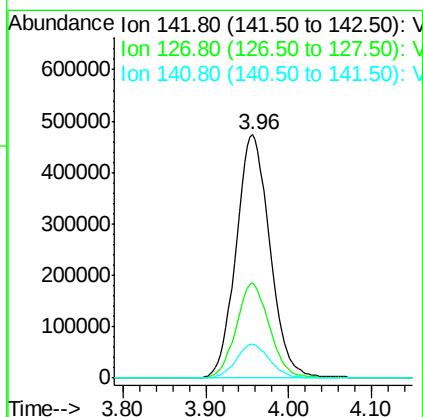
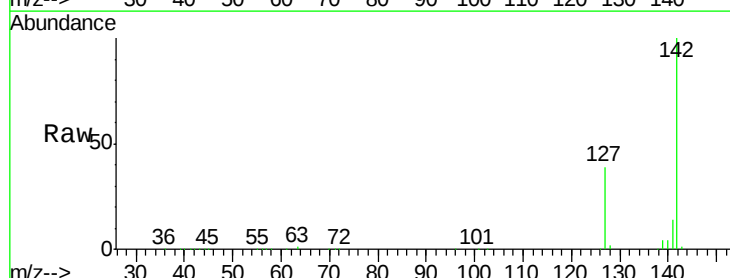
RT: 3.96 min Scan# 679

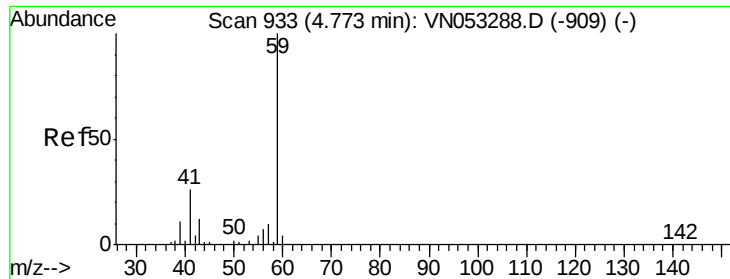
Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Tgt Ion:	142	Resp:	1343153
Ion Ratio	Lower	Upper	
142	100		
127	38.7	30.9	46.3
141	13.9	11.2	16.8





#11

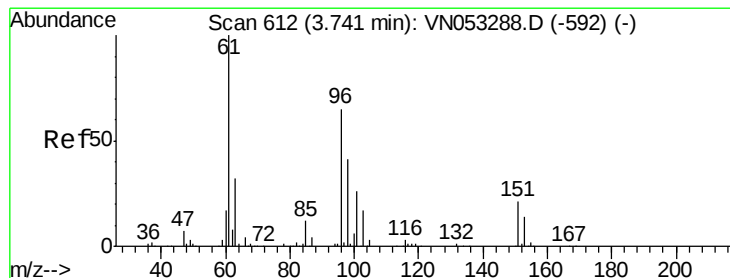
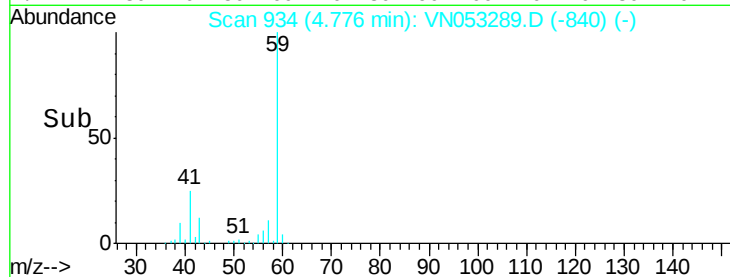
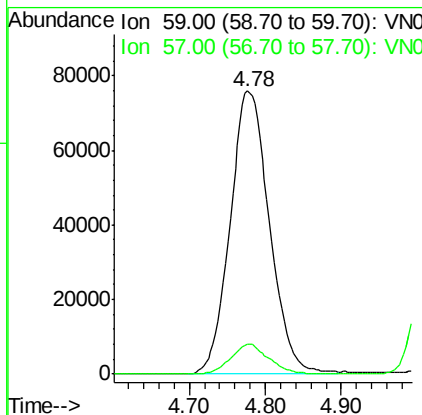
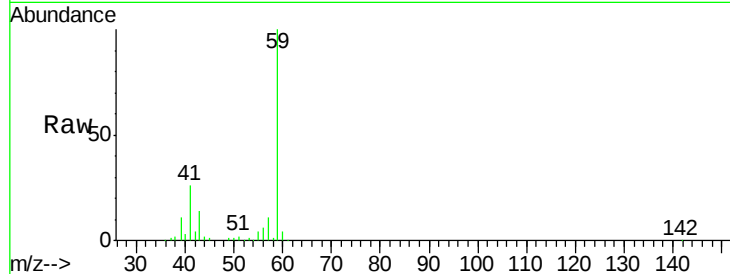
Tert butyl alcohol
 Concen: 443.474 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	59	Resp	272544
Ion Ratio	100	Lower	Upper
57	10.2	8.0	12.0

Manual Integrations
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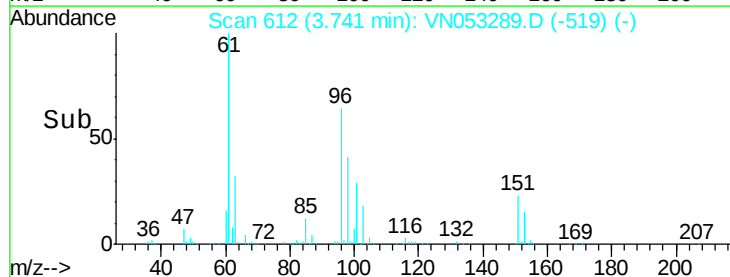
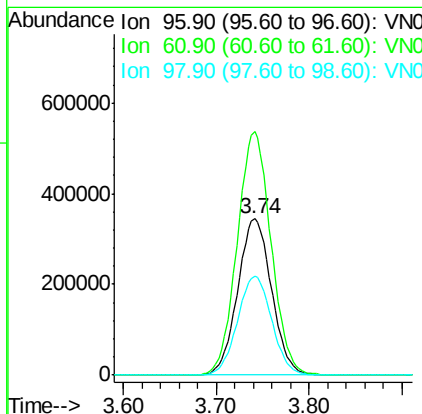
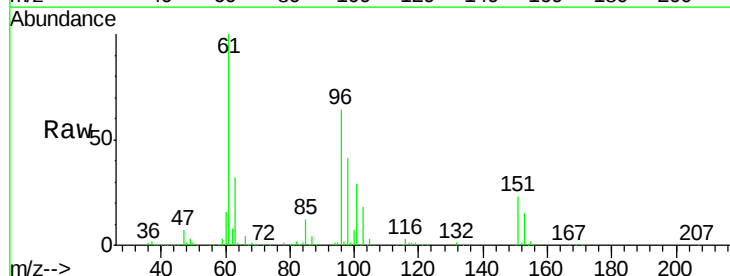
MMDadoda
 1/8/2019 10:24:15 AM

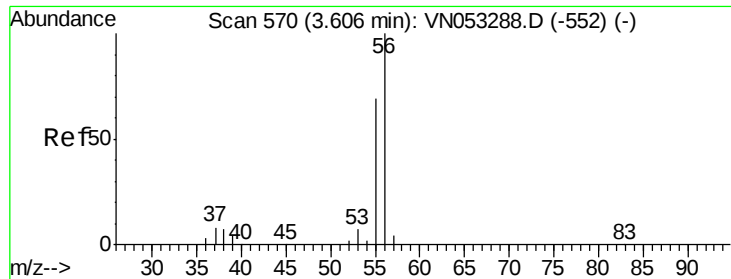


#12

1,1-Dichloroethene
 Concen: 102.469 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion	96	Resp	874529
Ion Ratio	100	Lower	Upper
61	155.8	123.2	184.8
98	63.1	50.5	75.7





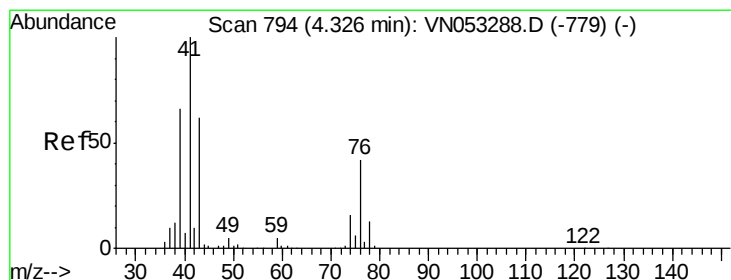
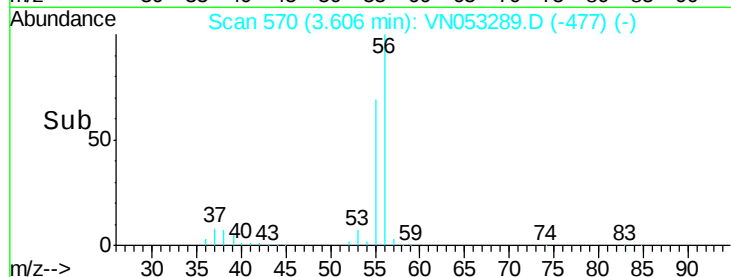
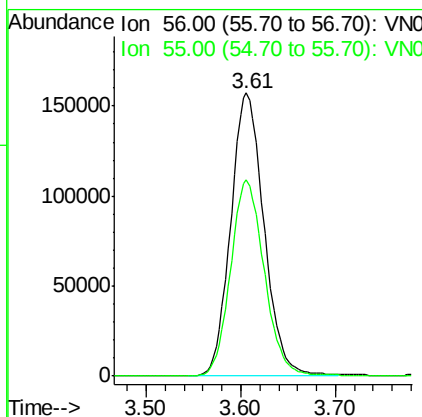
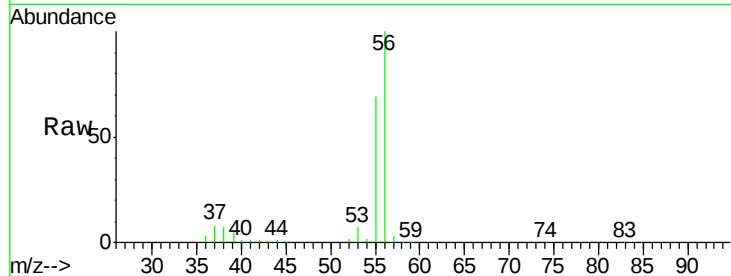
#13
Acrolein
Concen: 548.834 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	56	55	Ratio	100	69.8	Resp	385071	Lower	56.3	Upper	84.5
Ion											

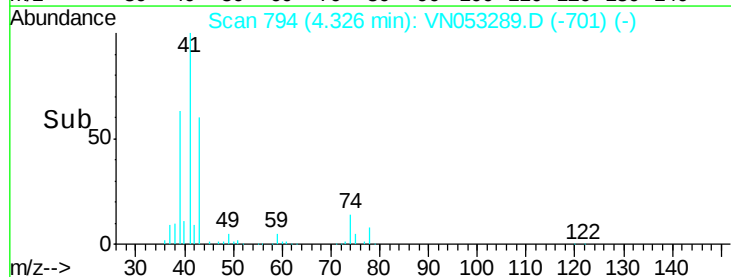
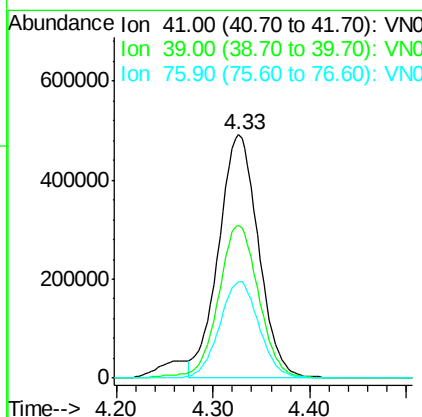
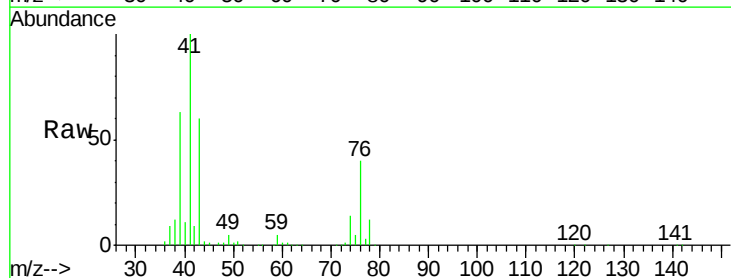
Manual Integrations
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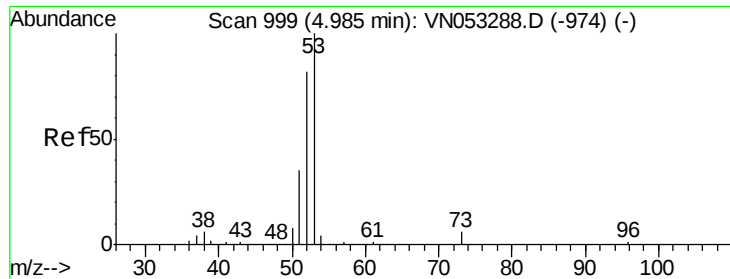
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#14
Allyl chloride
Concen: 105.109 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion	41	39	76	Ratio	100	64.1	39.1	Resp	1404232	Lower	51.9	Upper	77.9	46.8
Ion														





#15
 Acrylonitrile
 Concen: 505.041 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

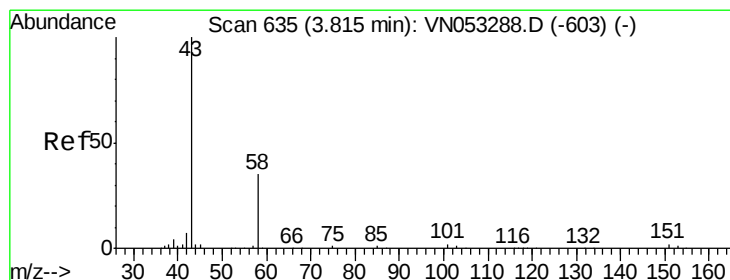
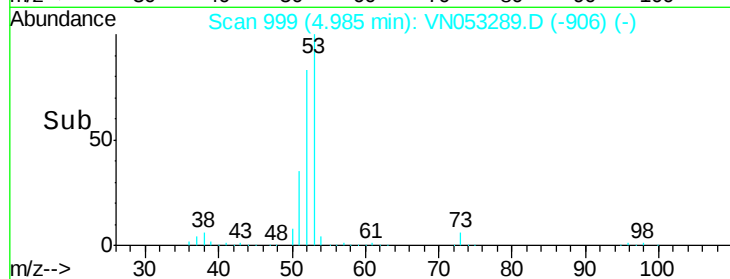
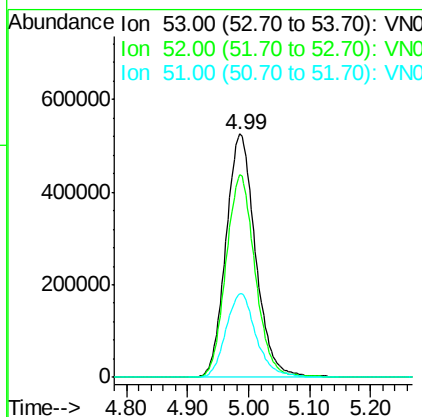
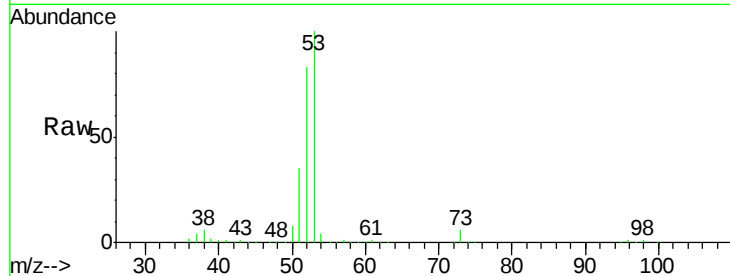
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 53 Resp: 1770513

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.2	97.8
51	35.3	28.0	42.0

Manual Integrations
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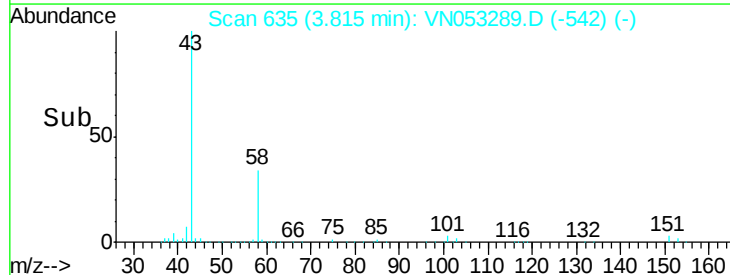
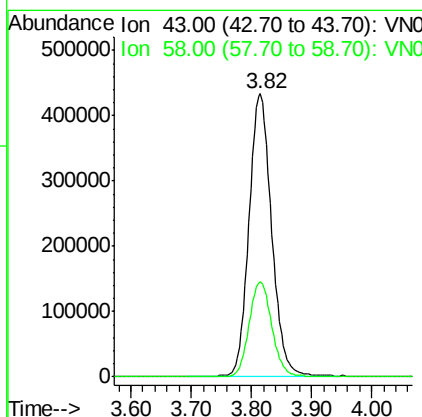
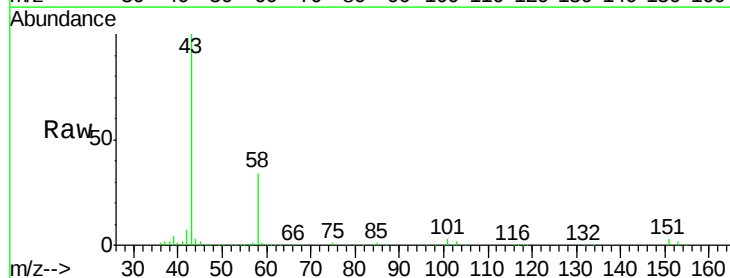
MMDadoda
 1/8/2019 10:24:15 AM

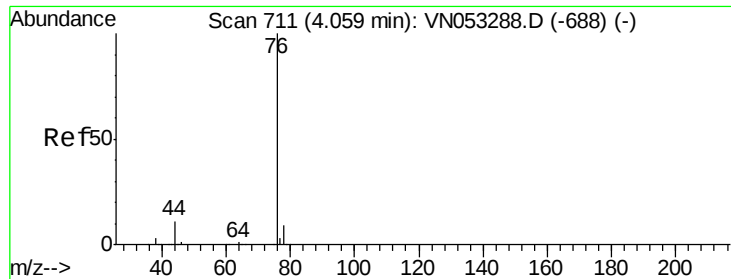


#16
 Acetone
 Concen: 490.112 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion: 43 Resp: 1146939

Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.8	41.6





#17

Carbon Disulfide

Concen: 103.844 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 2703307

Ion Ratio Lower Upper

76 100

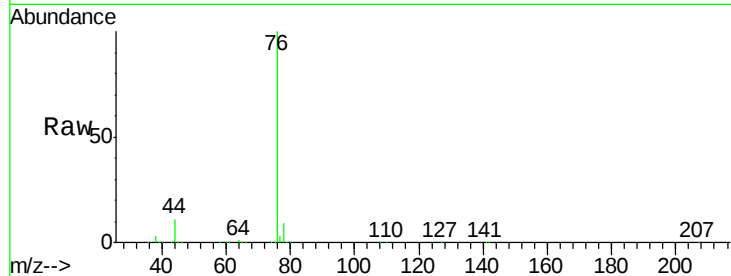
78 9.1 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

1200000

1000000

800000

600000

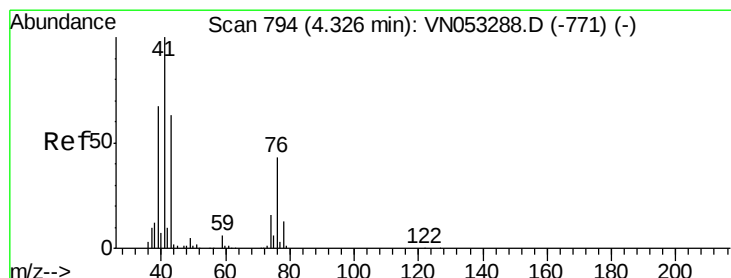
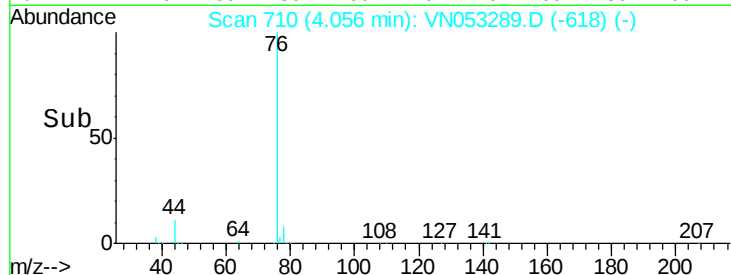
400000

200000

0

3.90 4.00 4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: 105.794 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053289.D

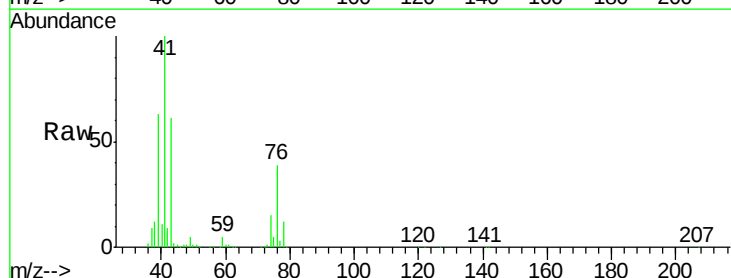
Acq: 4 Jan 2019 19:02

Tgt Ion: 43 Resp: 847047

Ion Ratio Lower Upper

43 100

74 24.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

300000

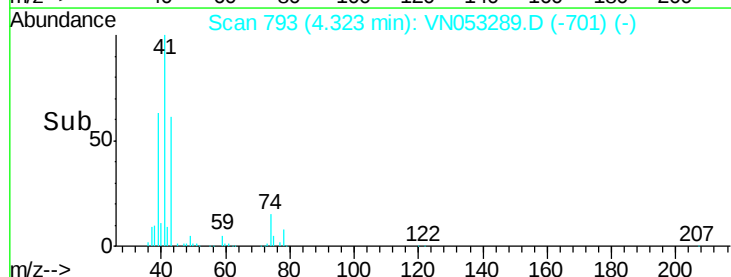
200000

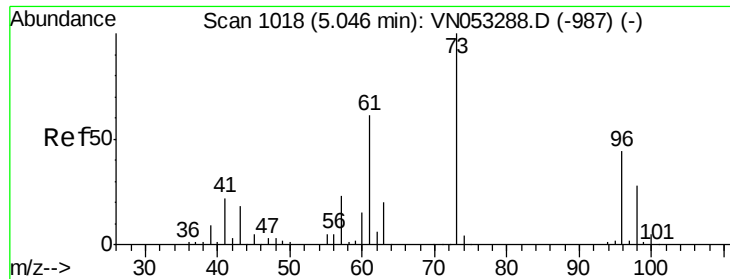
100000

0

4.20 4.30 4.40

Time-->





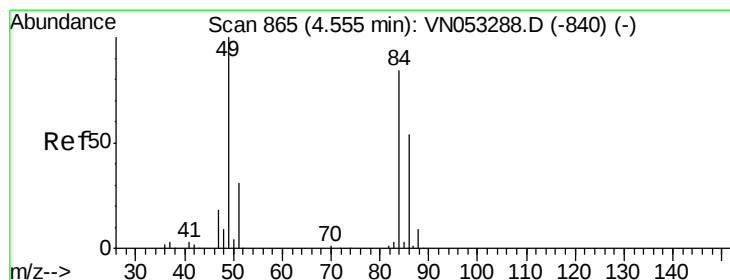
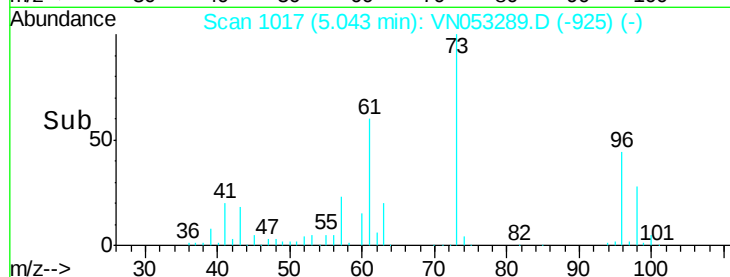
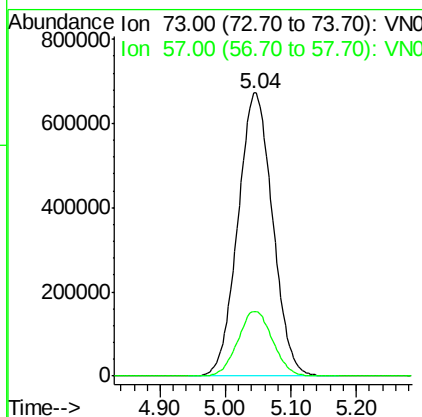
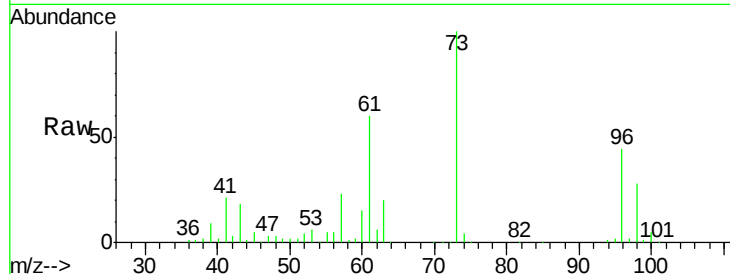
#19
Methvl tert-butvl Ether
Concen: 102.916 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 2483726
Ion Ratio Lower Upper
73 100
57 23.0 18.5 27.7

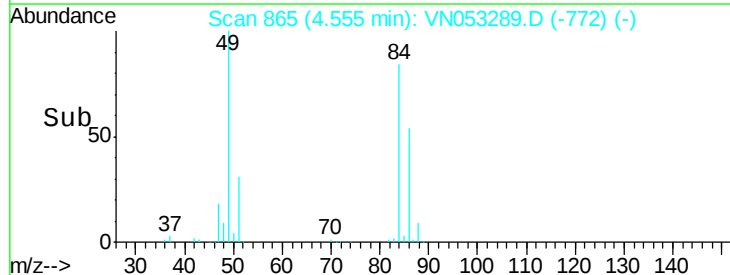
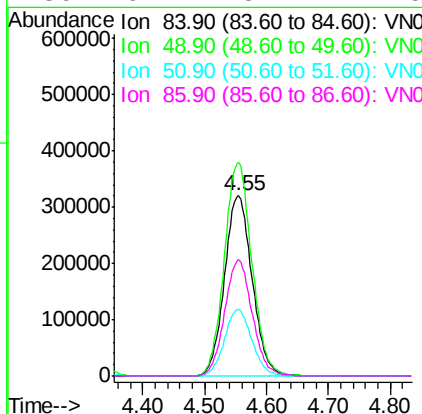
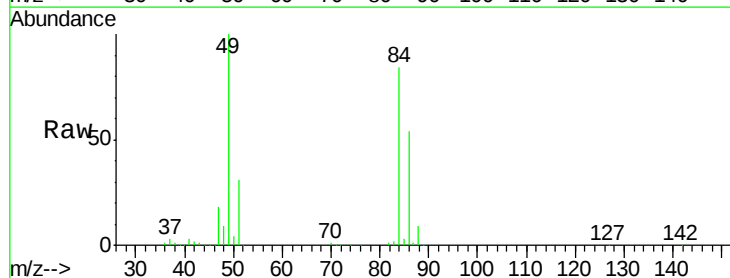
Manual Integrations
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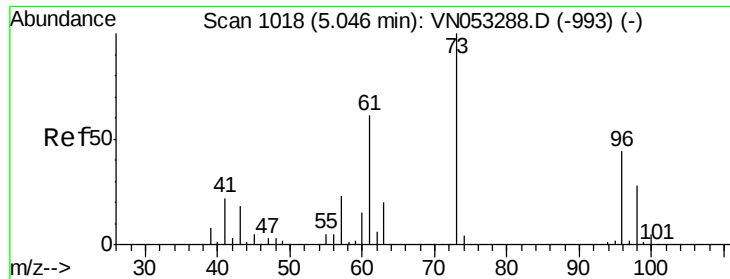
MMDadoda
1/8/2019 10:24:15 AM



#20
Methylene Chloride
Concen: 101.382 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion: 84 Resp: 995964
Ion Ratio Lower Upper
84 100
49 118.5 95.3 142.9
51 36.9 29.0 43.6
86 64.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 103.102 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 944269

Ion Ratio Lower Upper

96 100

61 136.4 110.2 165.4

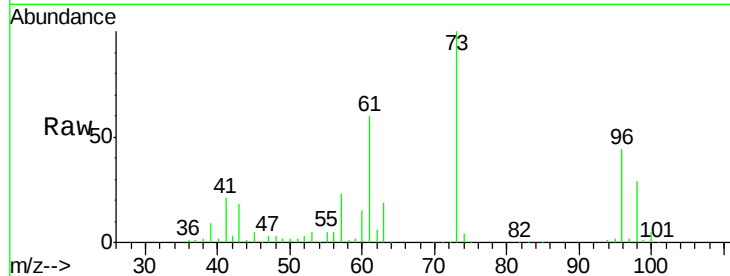
98 64.5 50.7 76.1

Manual Integrations

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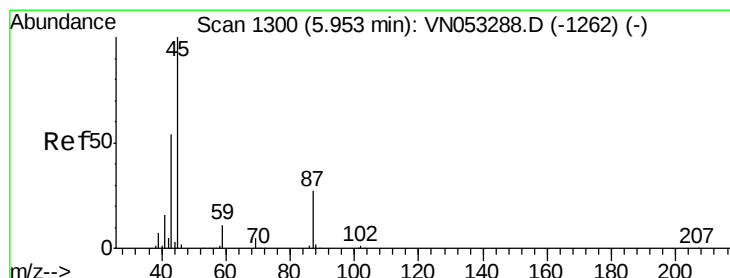
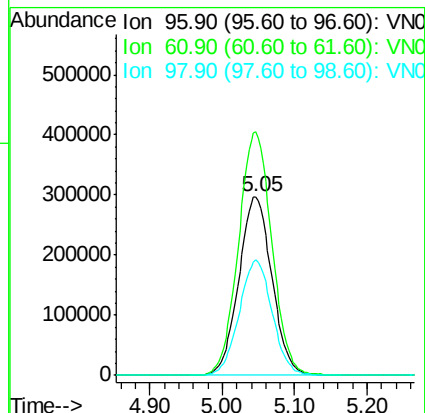
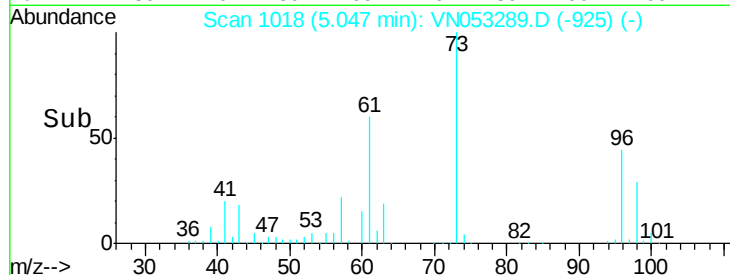


Abundance Ion 95.90 (95.60 to 96.60): VN053289.D (-993) (-)

Ion 60.90 (60.60 to 61.60): VN053289.D (-993) (-)

Ion 97.90 (97.60 to 98.60): VN053289.D (-993) (-)

Time-->



#22

Diisopropyl ether

Concen: 100.764 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Tgt Ion: 45 Resp: 3017389

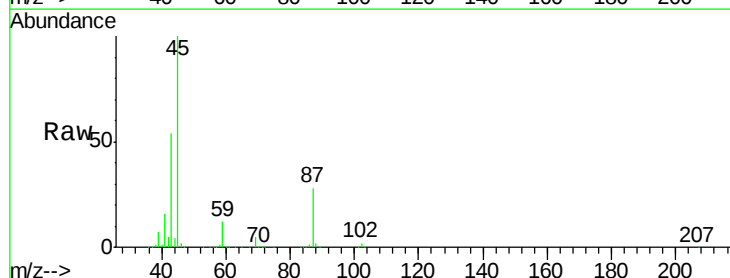
Ion Ratio Lower Upper

45 100

43 53.8 43.0 64.6

87 28.4 22.1 33.1

59 11.9 9.0 13.4



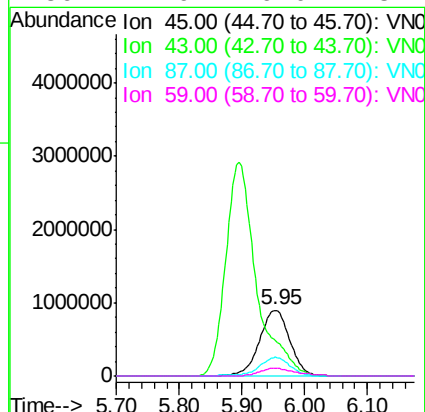
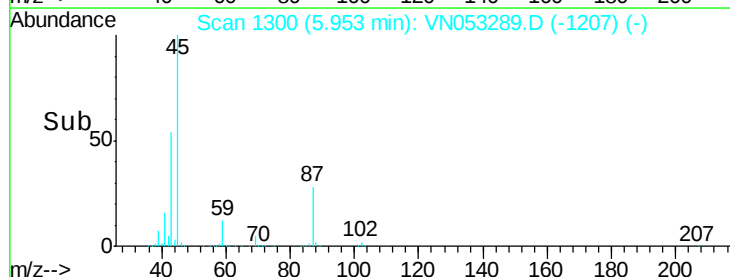
Abundance Ion 45.00 (44.70 to 45.70): VN053289.D (-1262) (-)

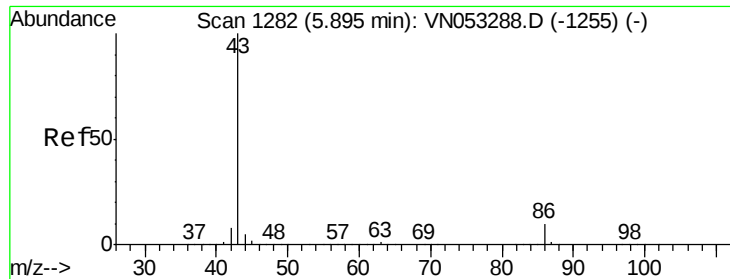
Ion 43.00 (42.70 to 43.70): VN053289.D (-1262) (-)

Ion 87.00 (86.70 to 87.70): VN053289.D (-1262) (-)

Ion 59.00 (58.70 to 59.70): VN053289.D (-1262) (-)

Time-->





#23

Vinyl Acetate

Concen: 515.067 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 9911541

Ion Ratio Lower Upper

43 100

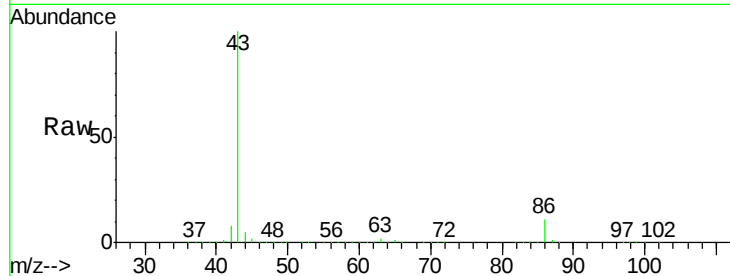
86 10.6 8.4 12.6

Manual Integrations

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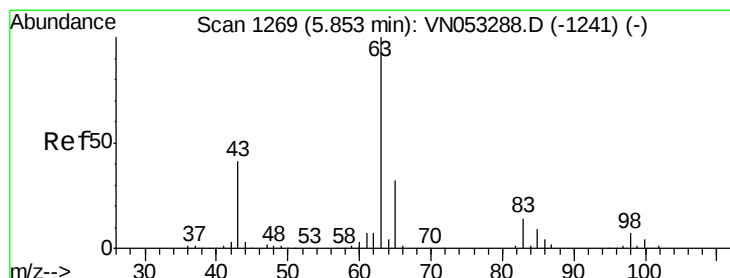
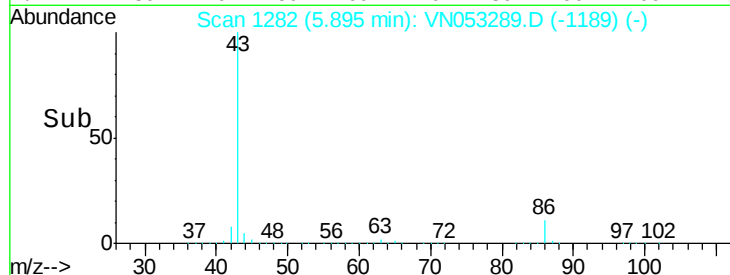
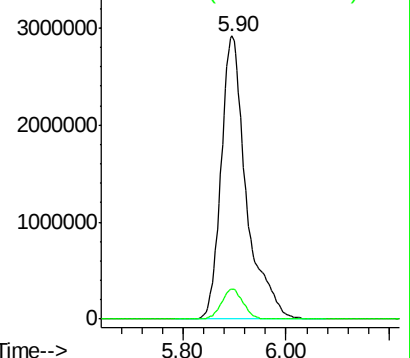
MMDadoda

1/8/2019 10:24:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 102.412 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

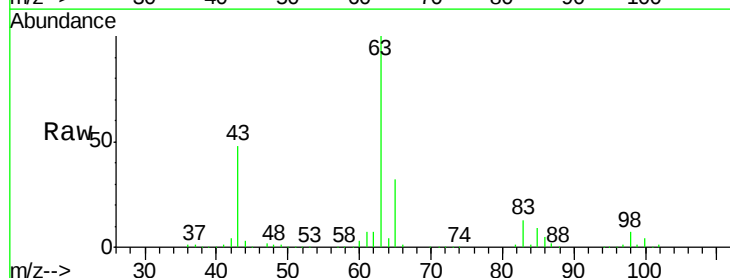
Tgt Ion: 63 Resp: 1752848

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

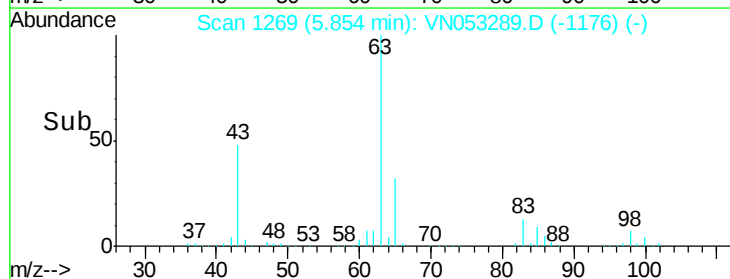
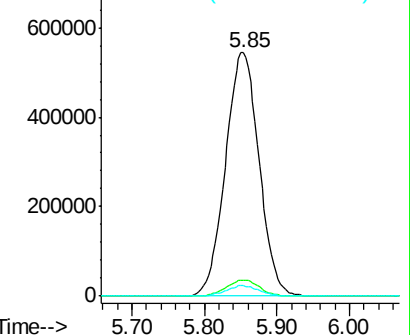
100 4.2 2.1 6.5

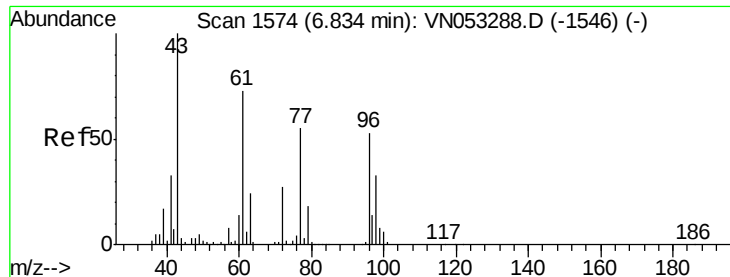


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





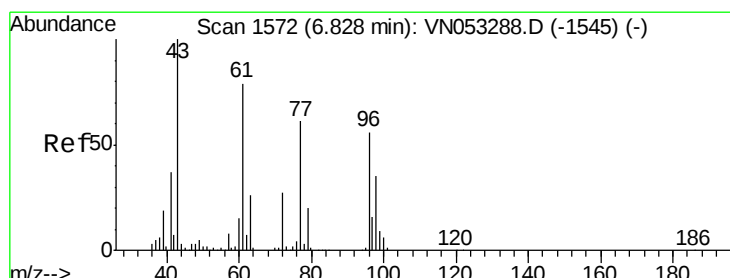
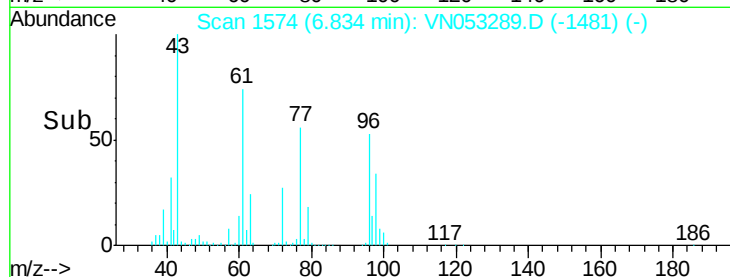
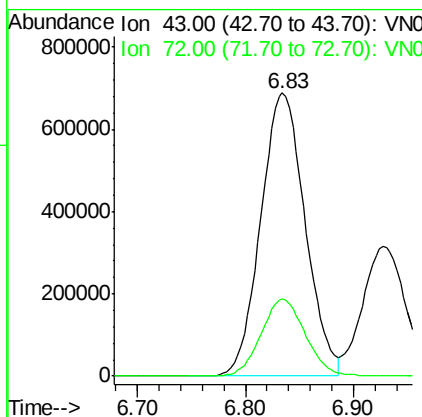
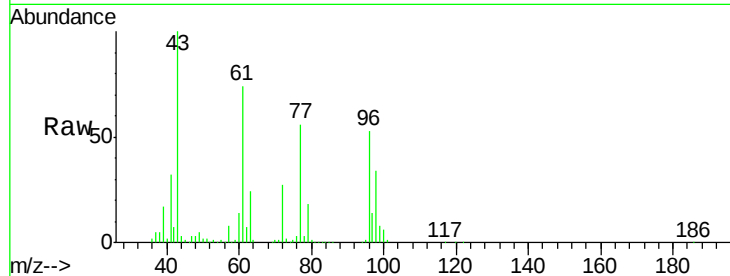
#25
2-Butanone
Concen: 497.629 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1957223
Ion Ratio Lower Upper
43 100
72 27.3 22.0 33.0

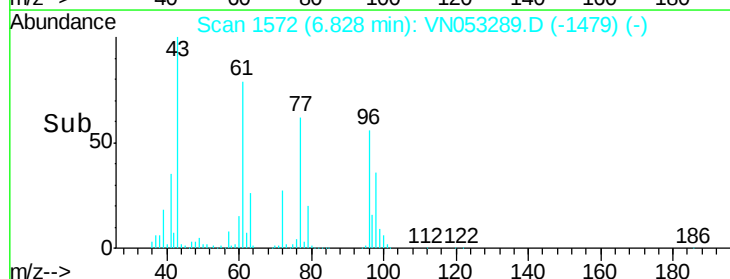
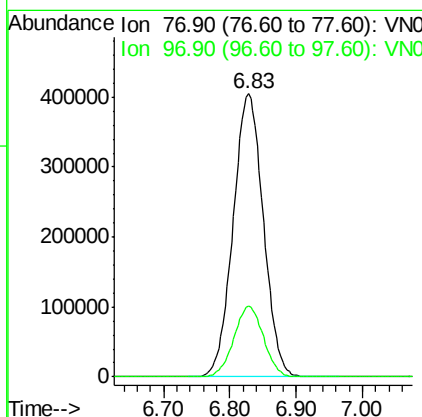
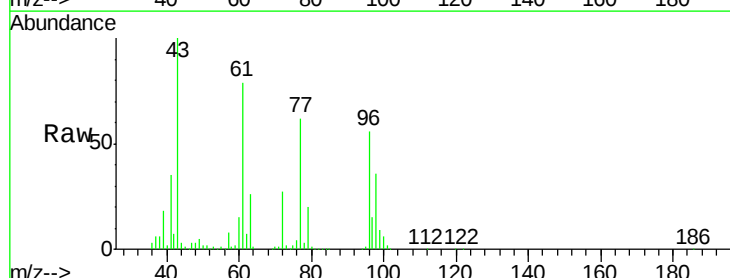
Manual Integrations
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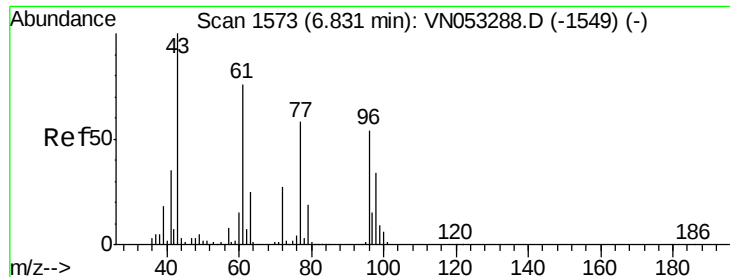
MMDadoda
1/8/2019 10:24:15 AM



#26
2,2-Dichloropropane
Concen: 103.617 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion: 77 Resp: 1281165
Ion Ratio Lower Upper
77 100
97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 102.245 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1081068

Ion Ratio Lower Upper

96 100

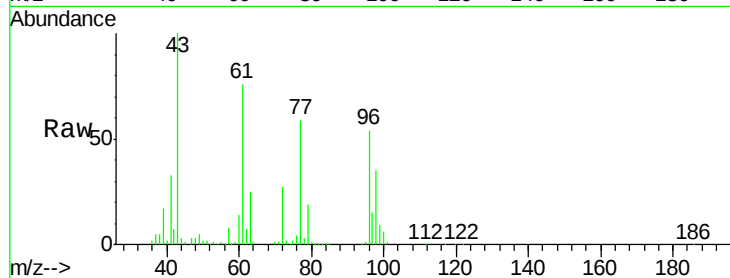
61 141.3 0.0 280.6

98 64.6 0.0 127.6

Manual Integrations
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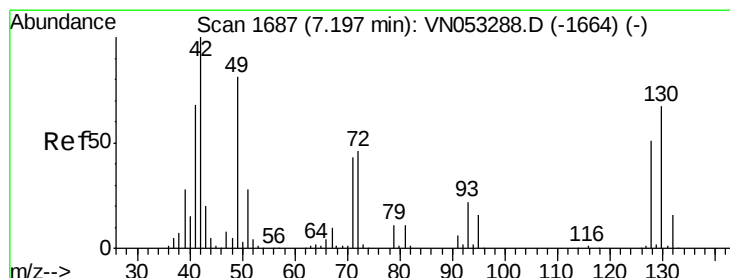
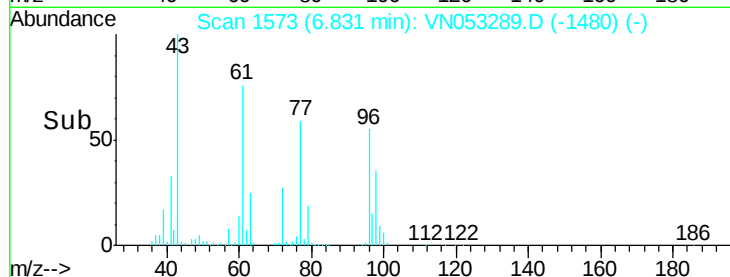
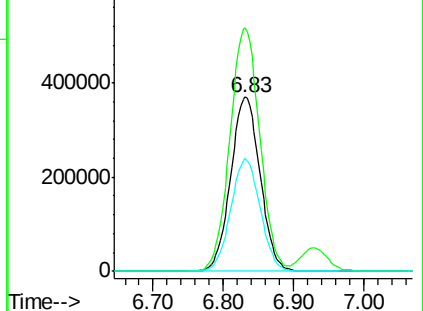
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Abundance Ion 95.90 (95.60 to 96.60): VN053289.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053289.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053289.D (-1480) (-)



#28

Bromochloromethane

Concen: 99.083 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

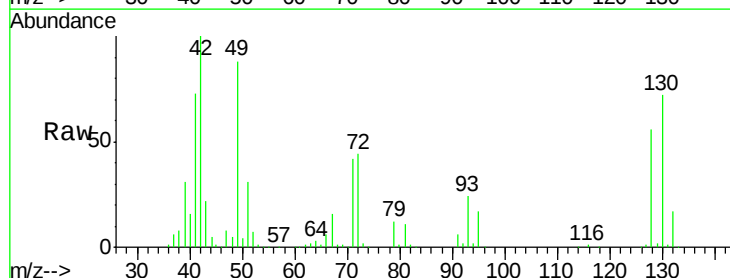
Tgt Ion: 49 Resp: 753753

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

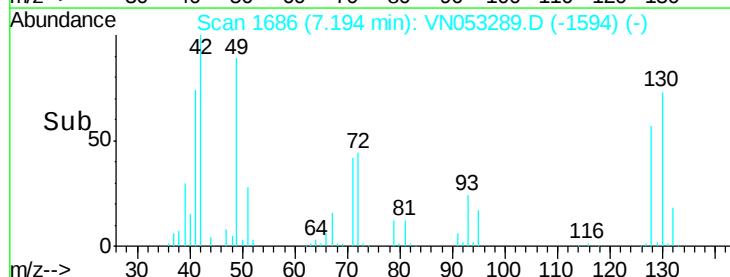
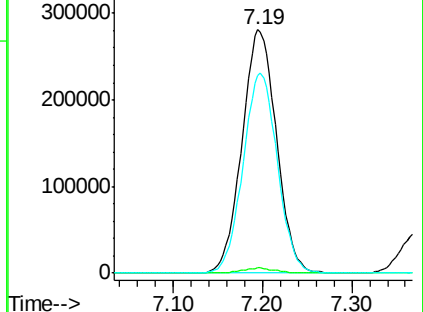
130 82.0 65.4 98.0

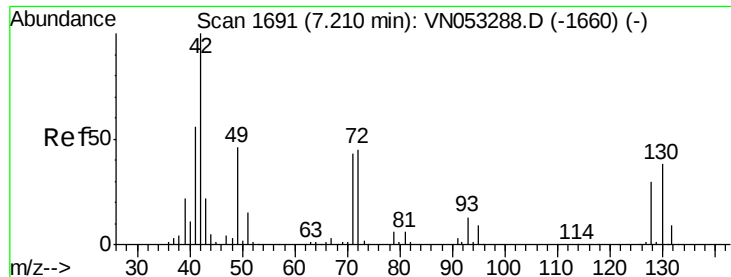


Abundance Ion 48.90 (48.60 to 49.60): VN053289.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053289.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053289.D (-1594) (-)





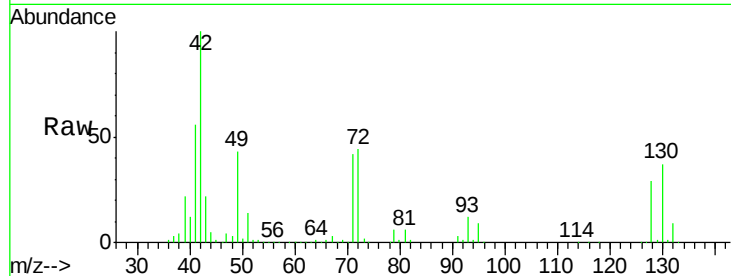
#29
Tetrahydrofuran
Concen: 499.441 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

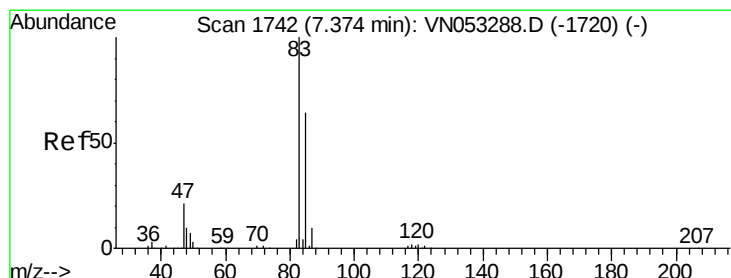
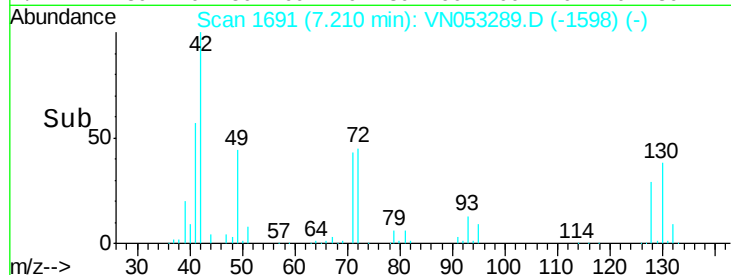
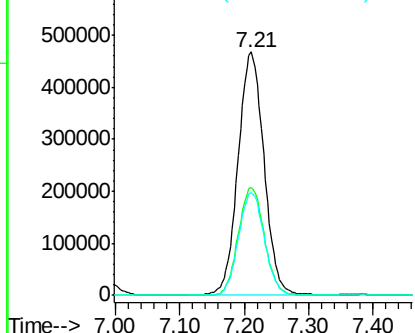
Tot Ion: 42 Resp: 1309273
Ion Ratio Lower Upper
42 100
72 44.3 35.6 53.4
71 42.0 33.8 50.8

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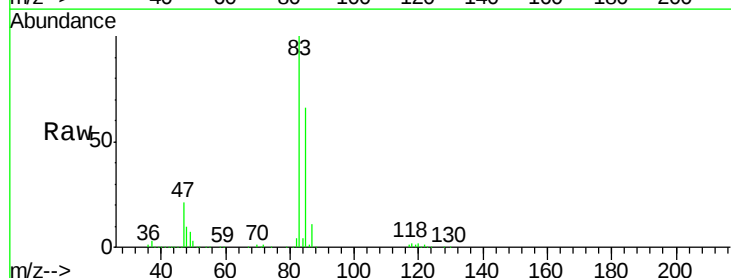


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

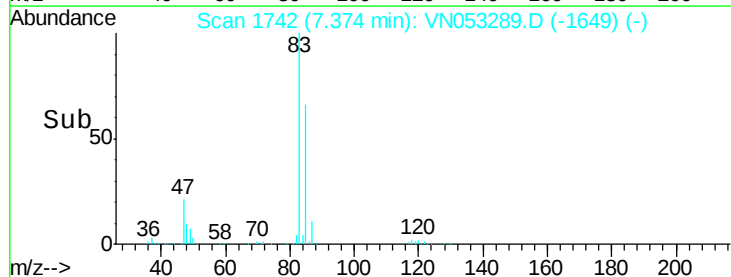
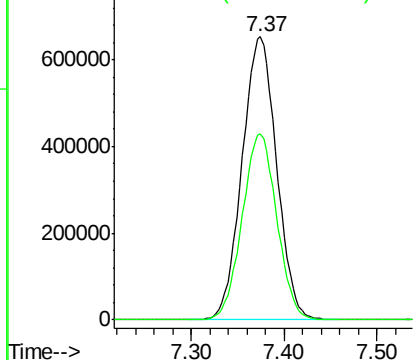


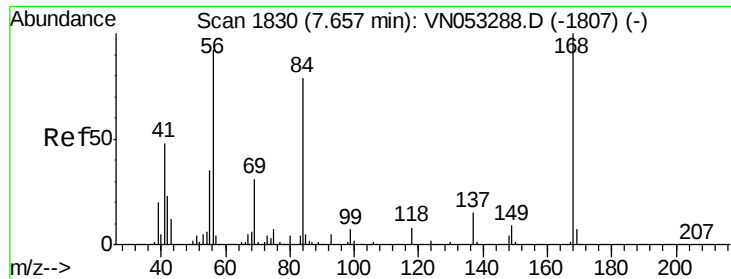
#30
Chloroform
Concen: 100.753 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion: 83 Resp: 1689887
Ion Ratio Lower Upper
83 100
85 65.8 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 101.427 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 1637151

Ion Ratio Lower Upper

56 100

69 30.8 26.7 40.1

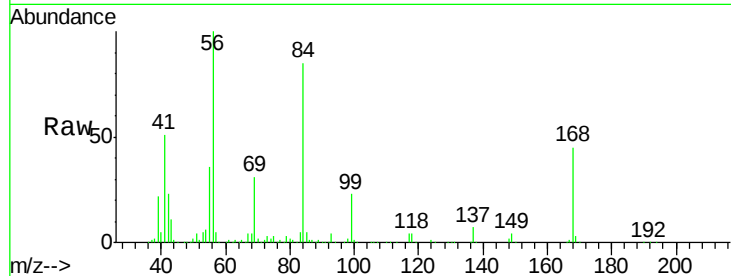
84 83.3 68.2 102.4

Manual Integrations

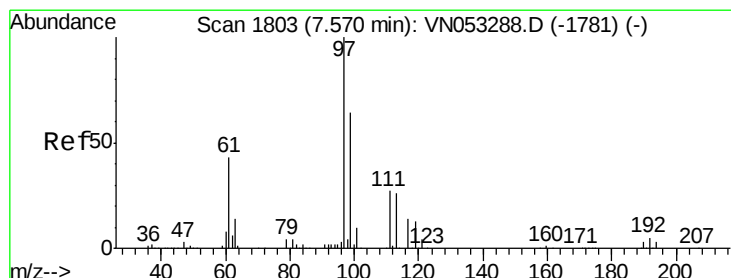
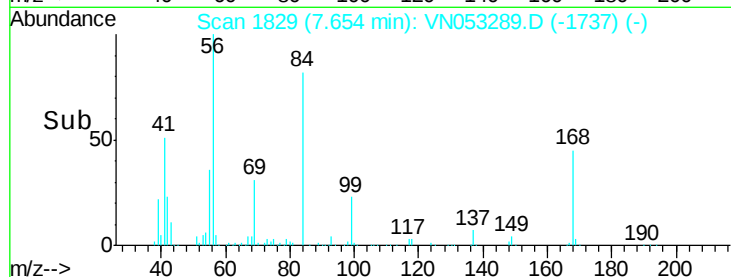
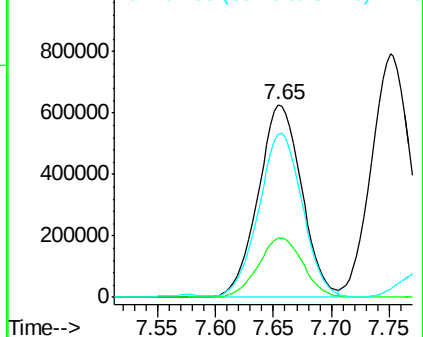
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 103.414 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

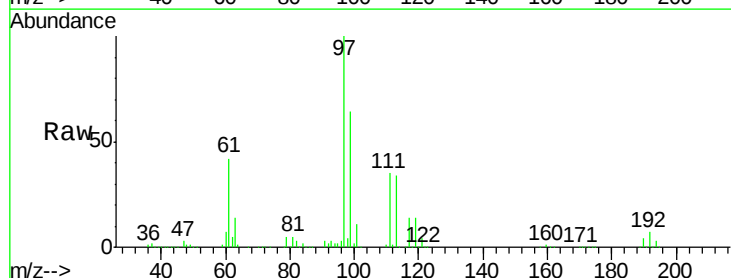
Tgt Ion: 97 Resp: 1449399

Ion Ratio Lower Upper

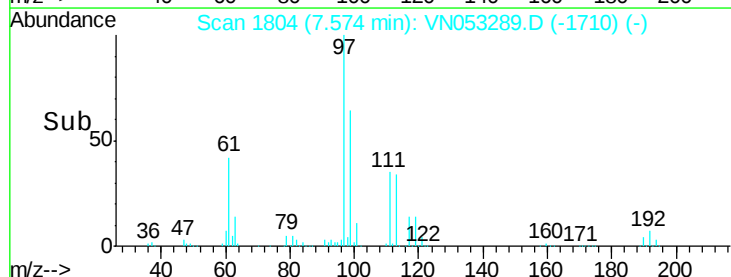
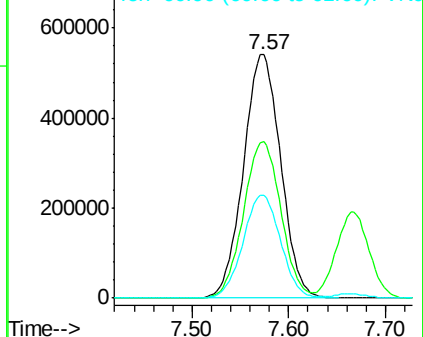
97 100

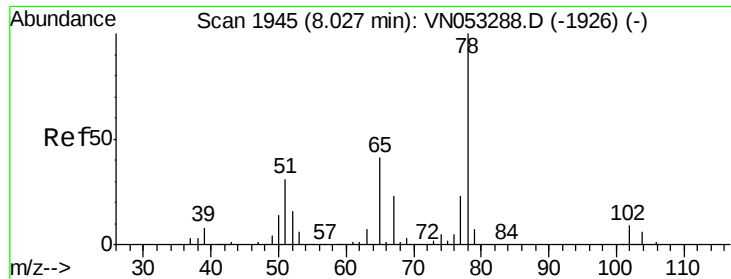
99 64.5 51.6 77.4

61 42.5 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





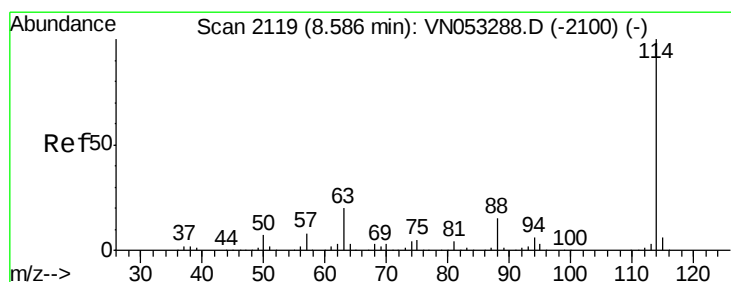
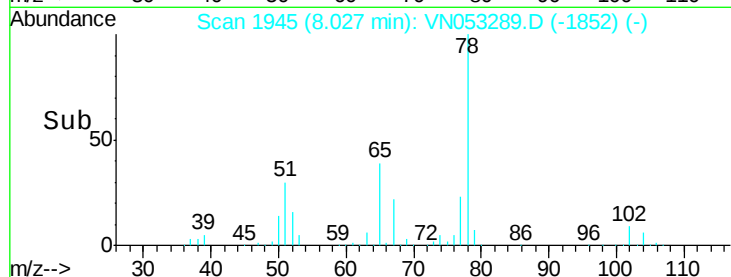
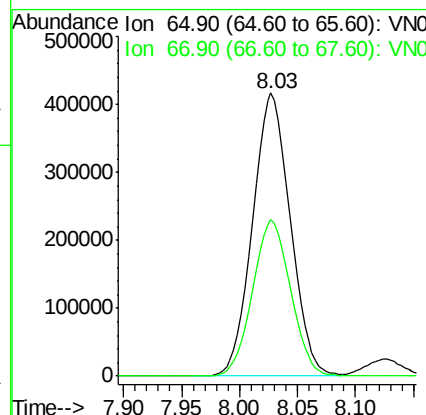
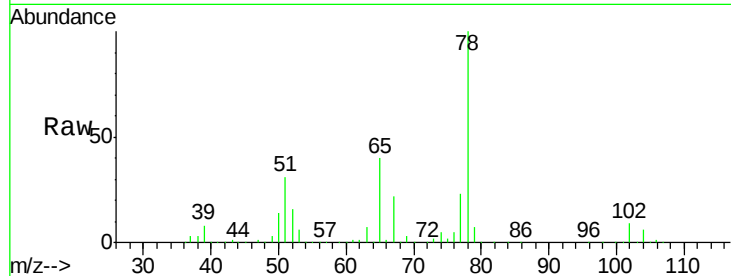
#33
 1,2-Dichloroethane-d4
 Concen: 103.414 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 945879
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.0

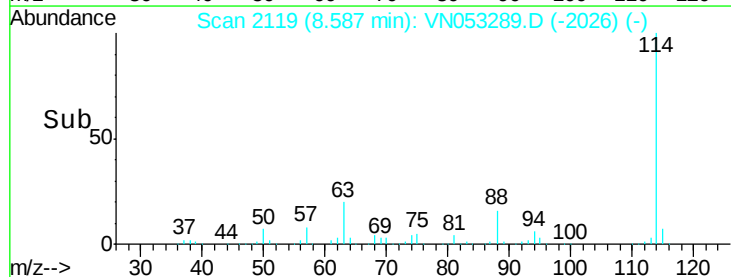
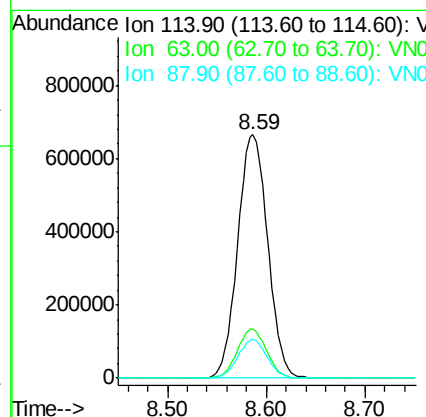
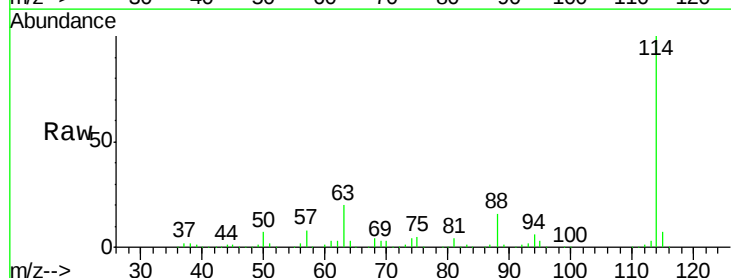
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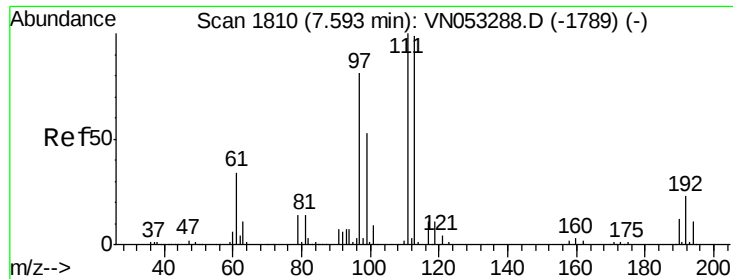
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion: 114 Resp: 1407517
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.7 0.0 30.8





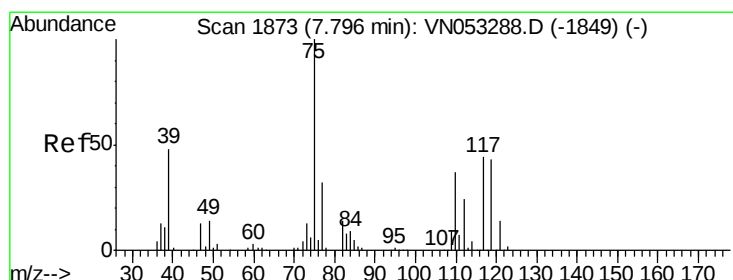
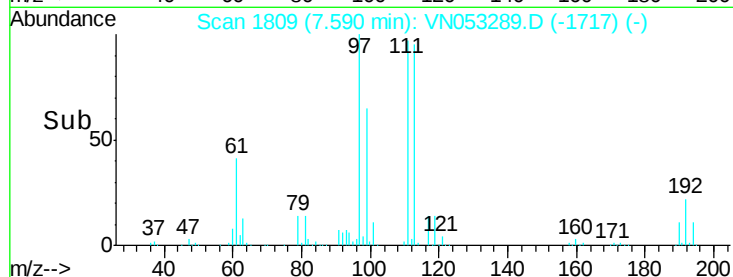
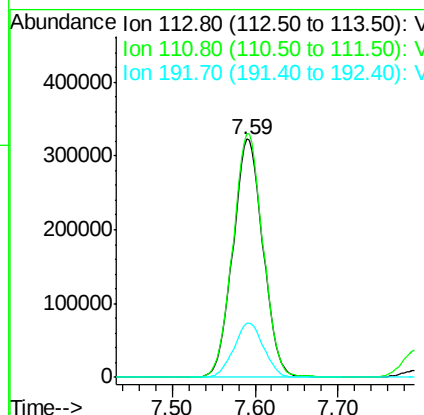
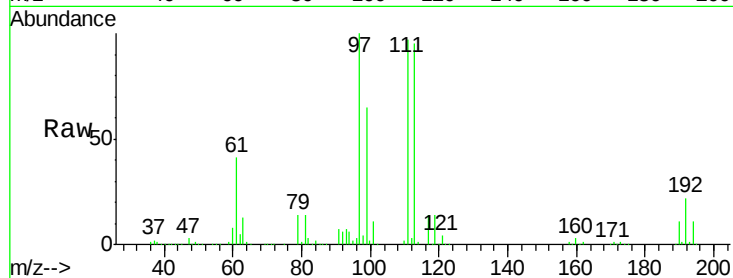
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	813016		
111	102.4	81.4	122.2	
192	22.8	17.9	26.9	

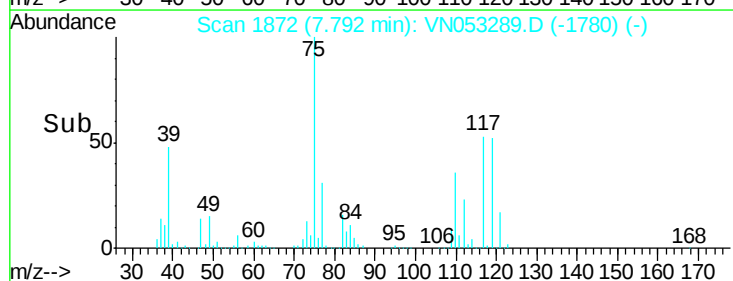
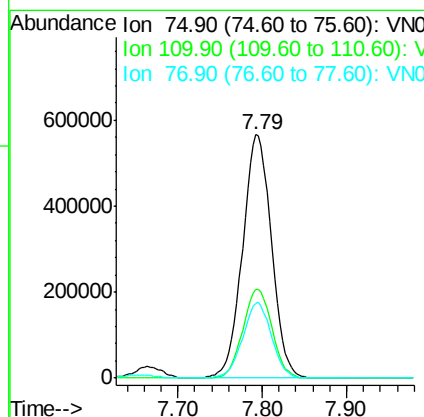
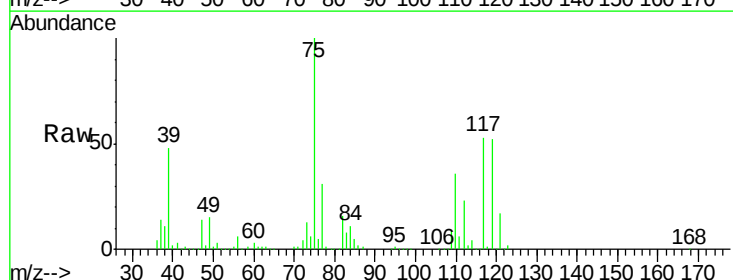
Manual Integrations
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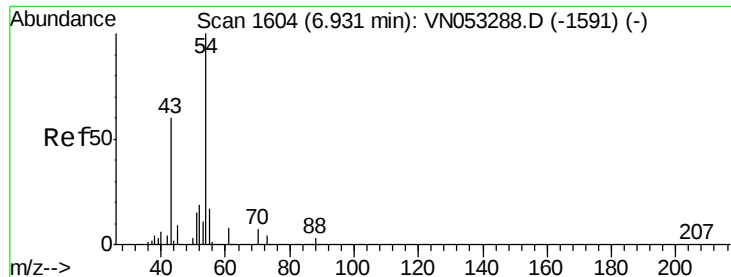
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#36
 1,1-Dichloropropene
 Concen: 103.780 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1351665		
110	36.8	18.4	55.0	
77	30.9	25.3	37.9	





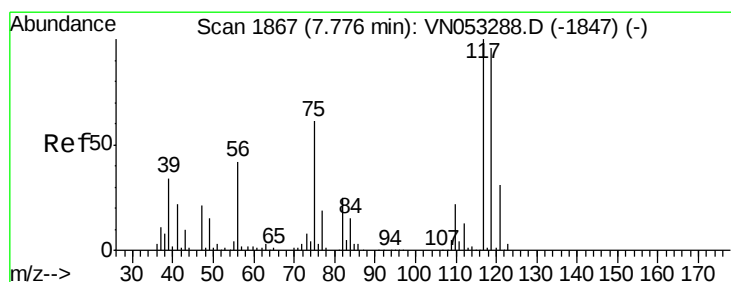
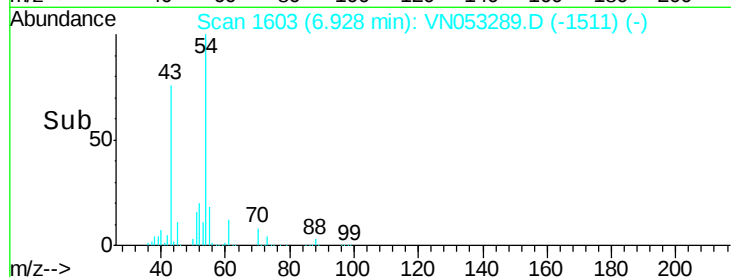
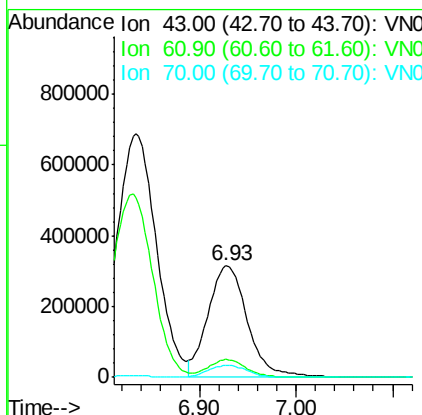
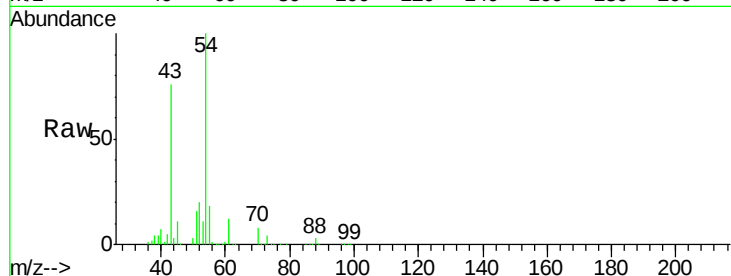
#37
Ethyl Acetate
Concen: 101.718 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.9	17.9
70	10.9	8.6	13.0

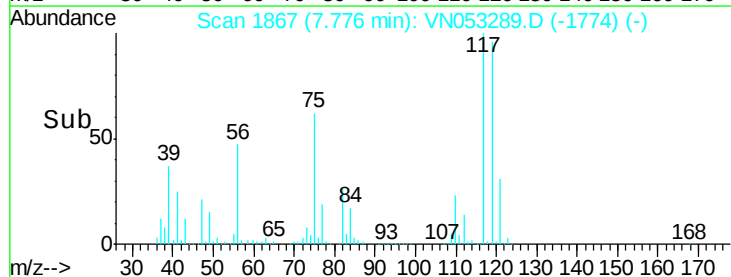
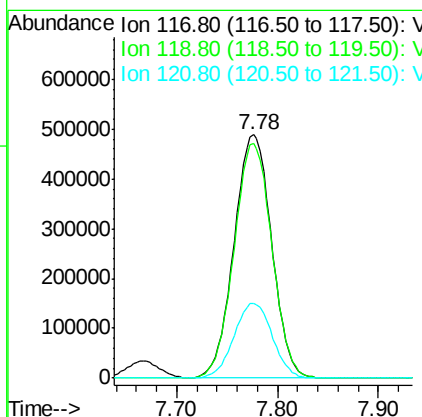
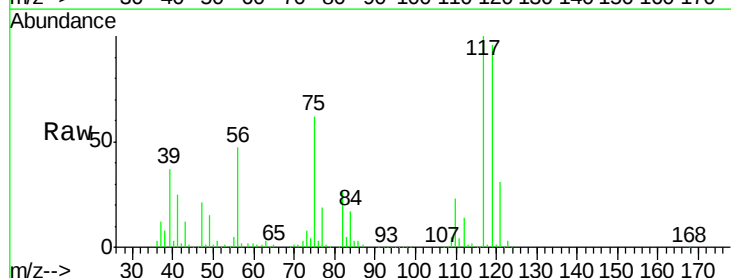
Manual Integrations
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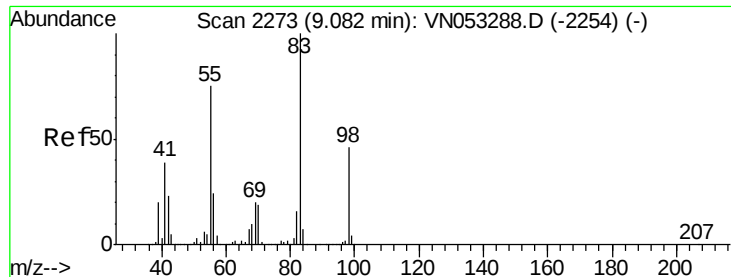
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#38
Carbon Tetrachloride
Concen: 103.594 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.6	115.0
121	30.9	25.0	37.4





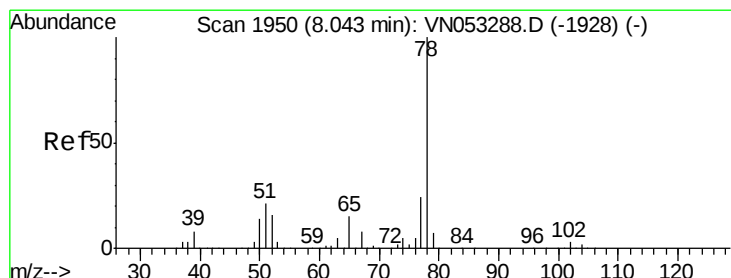
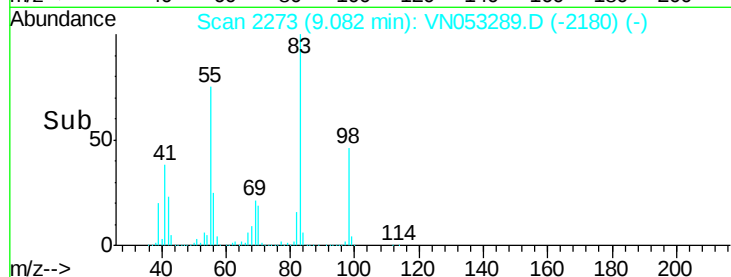
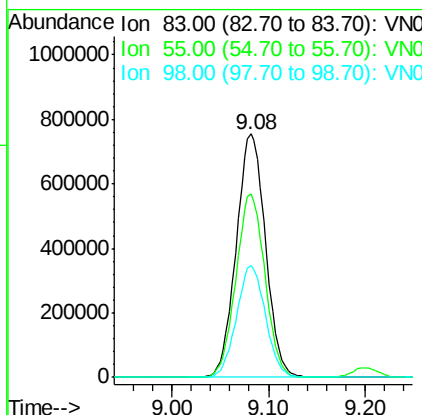
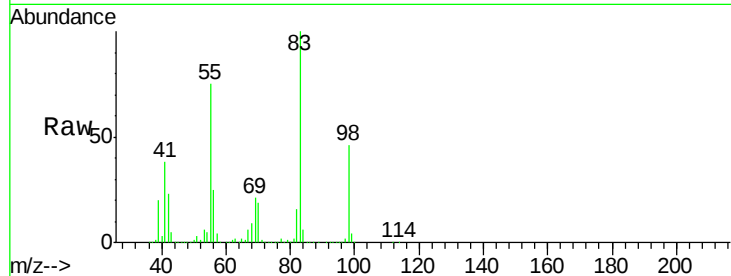
#39
Methvlcvclohexane
Concen: 103.927 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	83	Resp	1581362
Ion Ratio	Lower	Upper	
83	100		
55	75.2	60.1	90.1
98	45.8	36.7	55.1

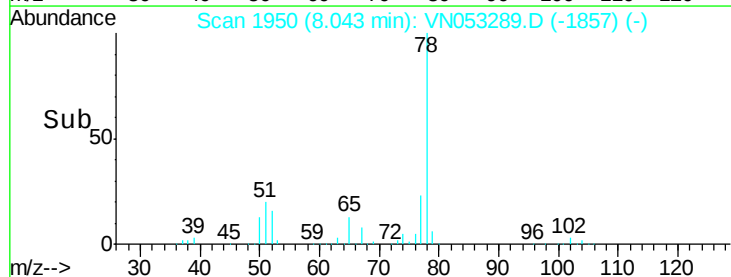
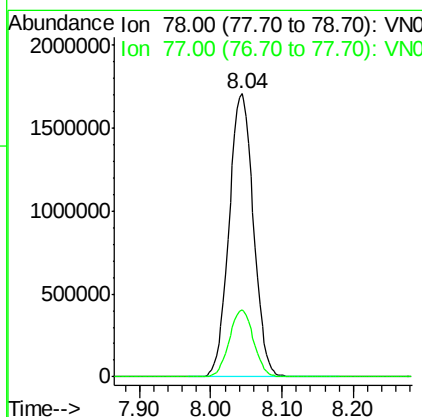
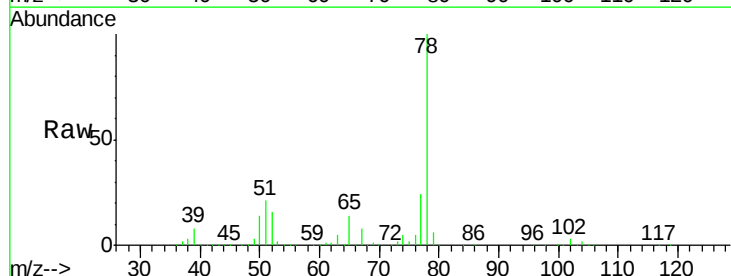
Manual Integrations
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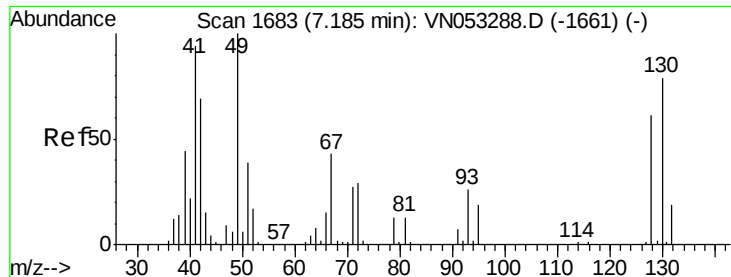
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#40
Benzene
Concen: 101.734 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion	78	Resp	4072493
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.0	28.4





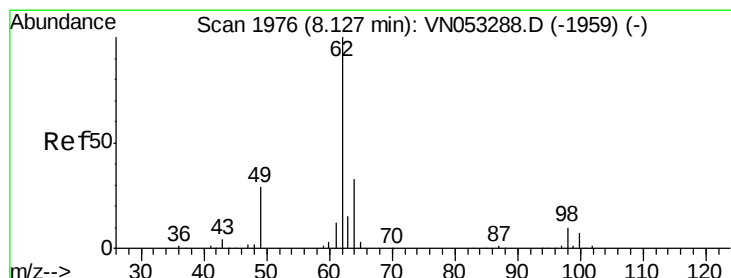
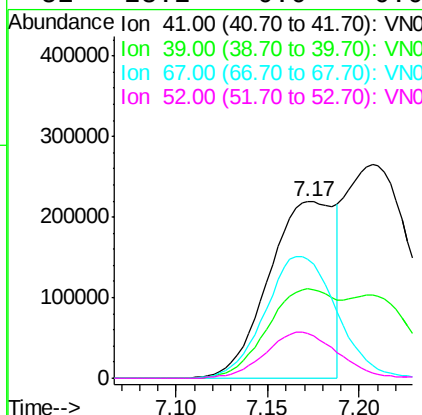
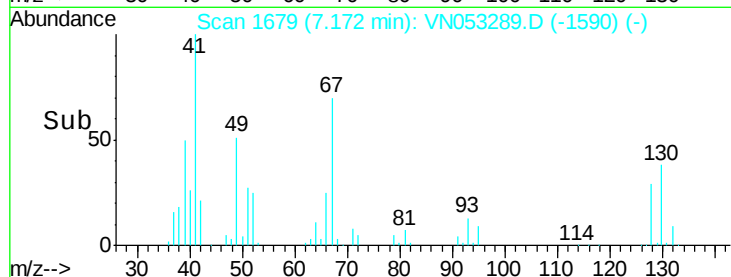
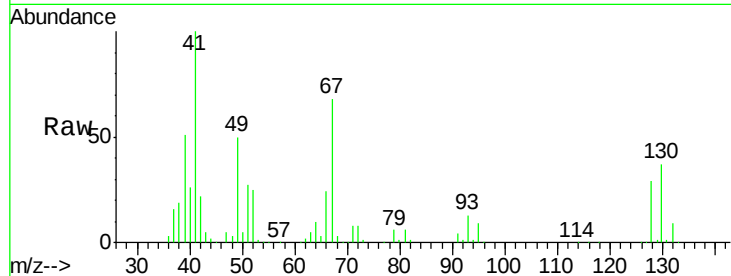
#41
Methacrylonitrile
Concen: 112.384 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	0.0	0.0	#
67	74.8	0.0	0.0	#
52	28.2	0.0	0.0	#

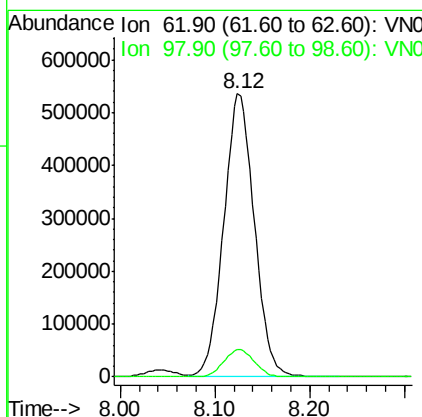
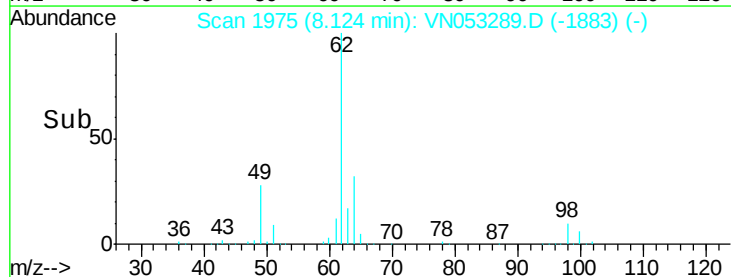
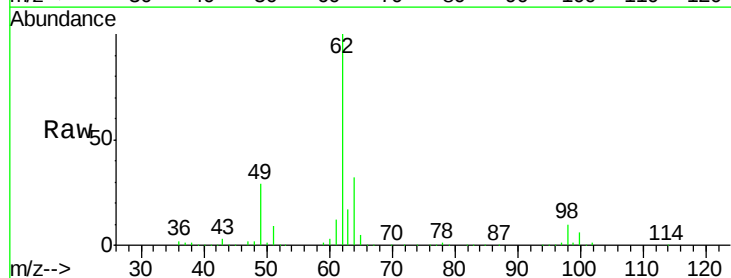
Manual Integrations
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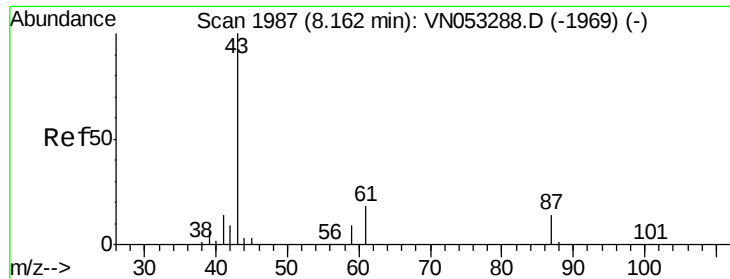
MMDadoda
1/8/2019 10:24:15 AM



#42
1,2-Dichloroethane
Concen: 102.037 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.2	





#43

Isopropyl Acetate

Concen: 102.218 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1599982

Ion Ratio Lower Upper

43 100

61 29.5 23.3 34.9

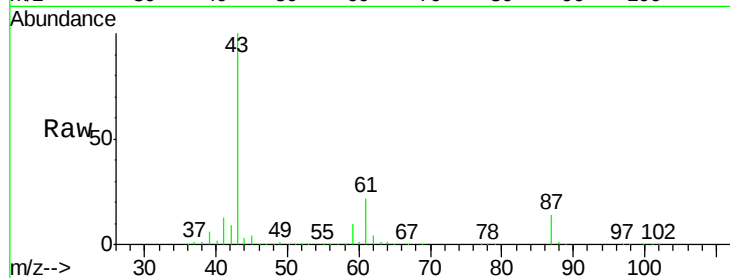
87 13.8 10.8 16.2

Manual Integrations

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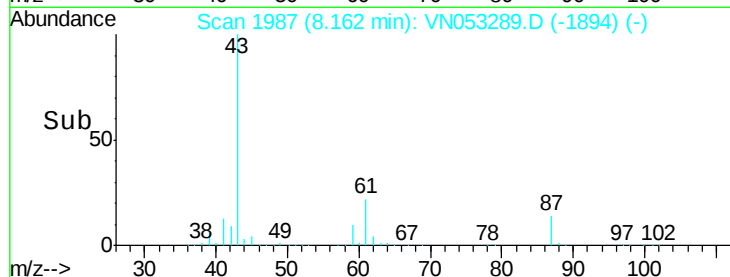


Abundance Ion 43.00 (42.70 to 43.70): VN053288.D (-1969) (-)

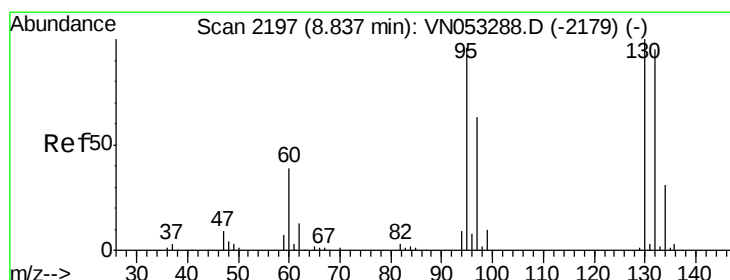
Ion 61.00 (60.70 to 61.70): VN053288.D (-1969) (-)

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

8.16



Time-->



#44

Trichloroethene

Concen: 102.173 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053289.D

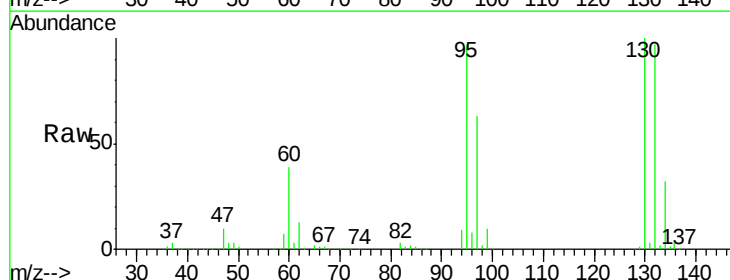
Acq: 4 Jan 2019 19:02

Tgt Ion:130 Resp: 1115107

Ion Ratio Lower Upper

130 100

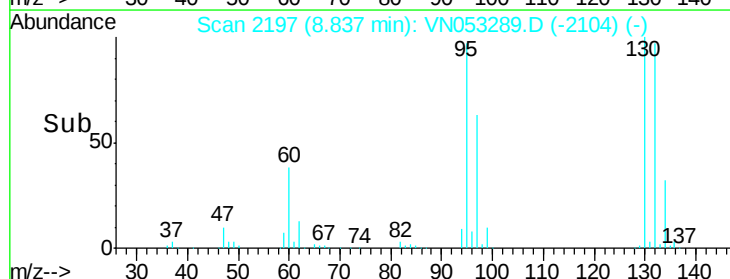
95 96.9 0.0 191.8



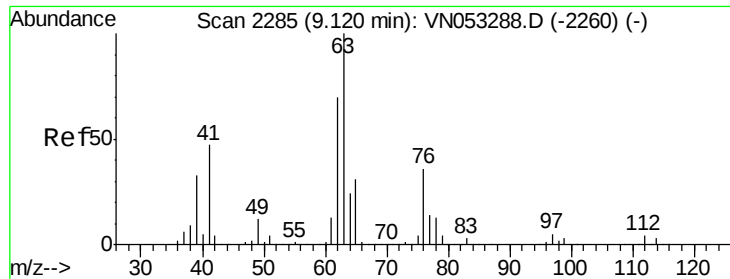
Abundance Ion 129.80 (129.50 to 130.50): VN053288.D (-2179) (-)

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

8.84



Time-->



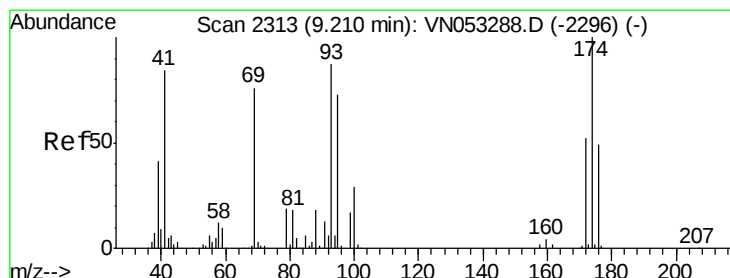
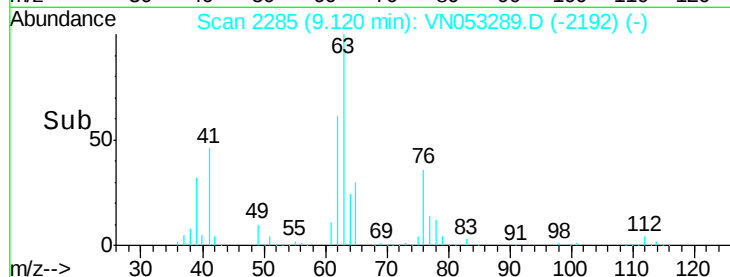
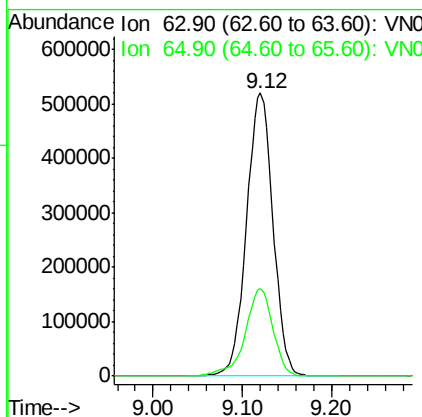
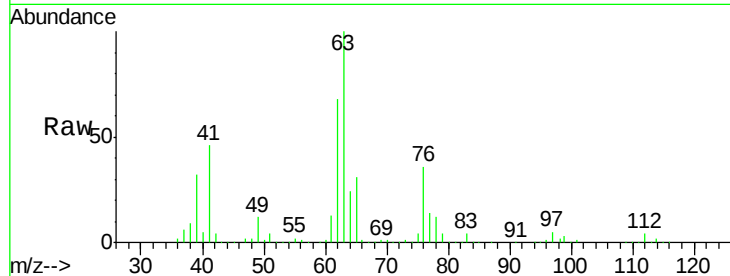
#45
 1,2-Dichloropropane
 Concen: 102.405 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 63 Resp: 1075172
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

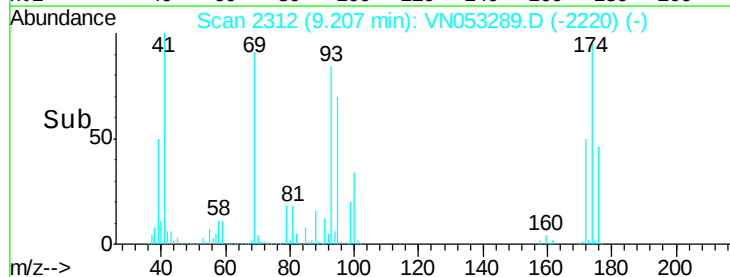
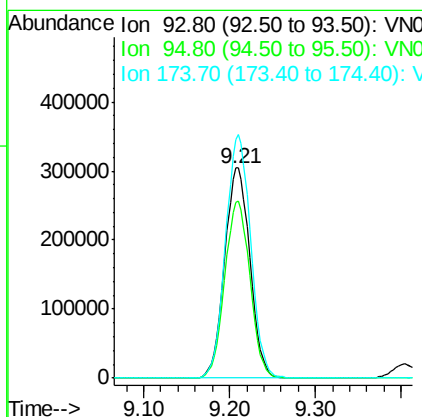
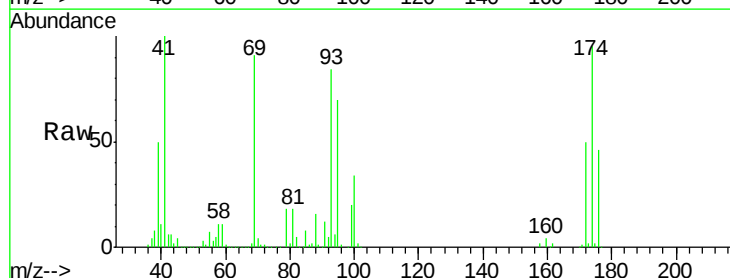
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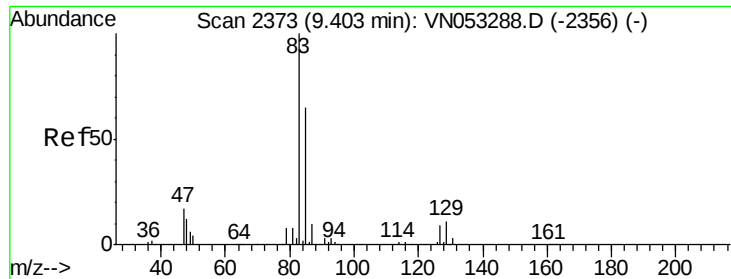
MMDadoda
 1/8/2019 10:24:15 AM



#46
 Dibromomethane
 Concen: 100.859 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion: 93 Resp: 624282
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.6 100.0
 174 114.3 91.4 137.0





#47

Bromodichloromethane

Concen: 103.113 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1316013

Ion Ratio Lower Upper

83 100

85 65.0 51.7 77.5

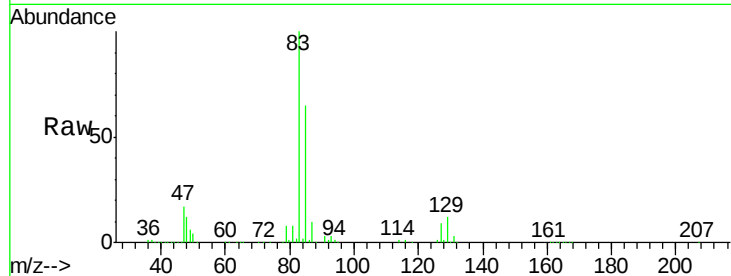
127 9.0 7.0 10.6

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Abundance Ion 82.90 (82.60 to 83.60): VN053289.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053289.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053289.D (-2280) (-)

9.40

800000

600000

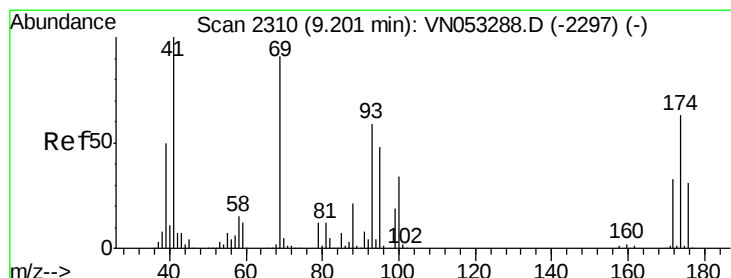
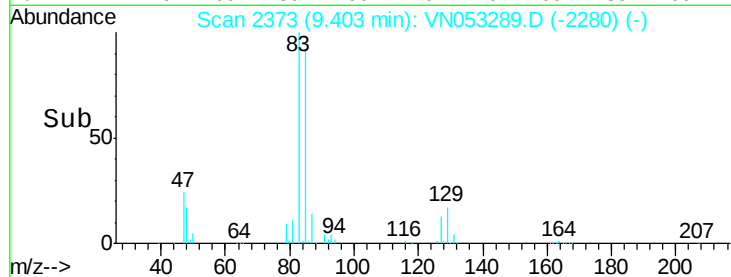
400000

200000

0

9.30 9.40 9.50

Time-->



#48

Methyl methacrylate

Concen: 102.318 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

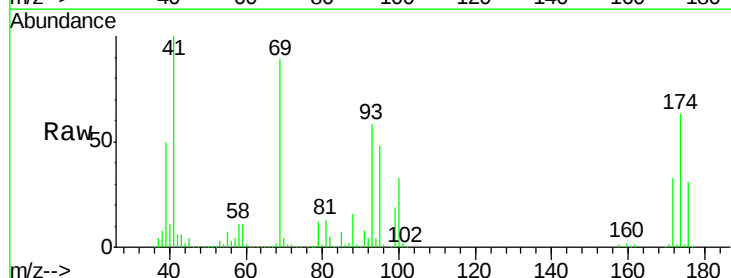
Tgt Ion: 41 Resp: 802016

Ion Ratio Lower Upper

41 100

69 92.7 73.5 110.3

39 51.6 41.6 62.4



Abundance Ion 41.00 (40.70 to 41.70): VN053289.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053289.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053289.D (-2217) (-)

9.20

600000

500000

400000

300000

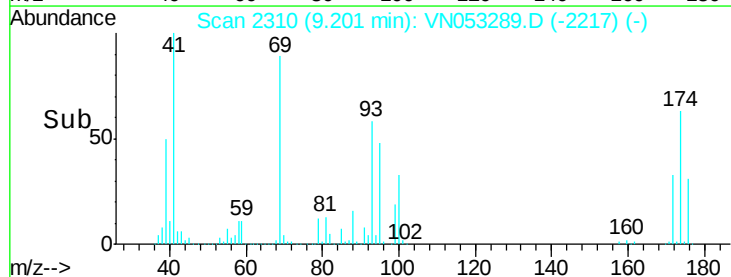
200000

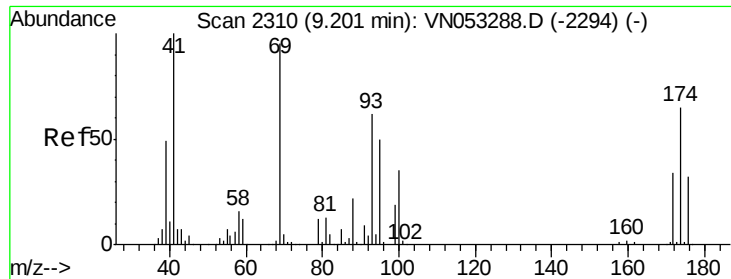
100000

0

9.15 9.20 9.25

Time-->





#49

1,4-Dioxane

Concen: 1578.644 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

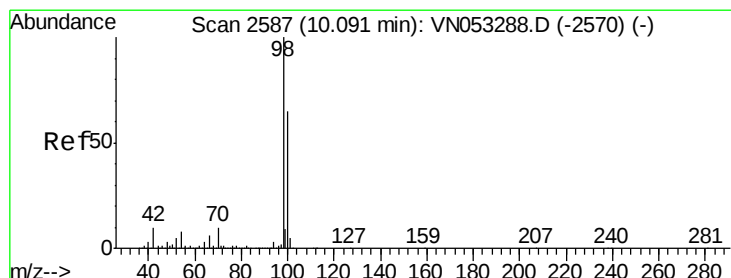
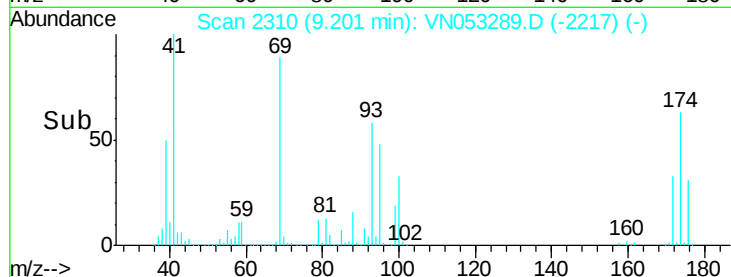
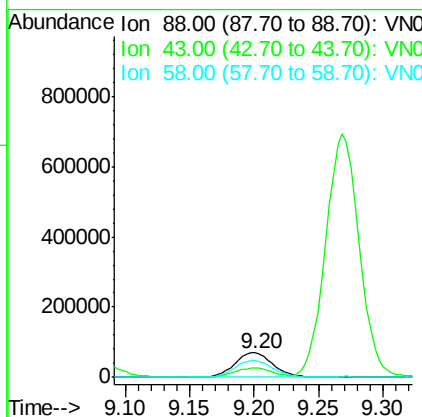
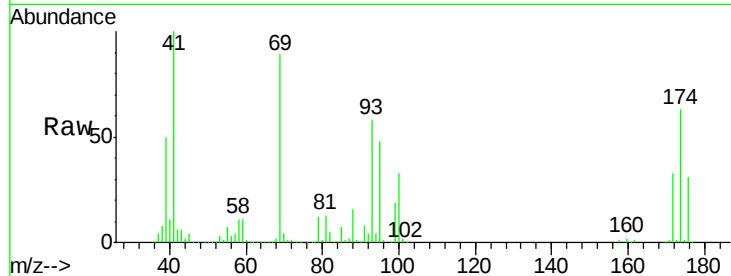
ClientSampleId :

VSTDIC100

Tot Ion	88	Resp	143302
Ion	Ratio	Lower	Upper
88	100		
43	35.7	26.2	39.4
58	69.9	55.5	83.3

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#50

Toluene-d8

Concen: 1578.644 ug/l

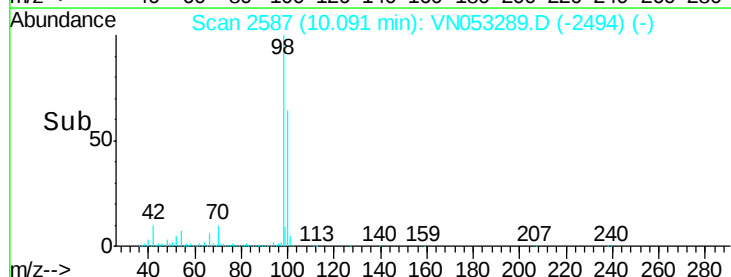
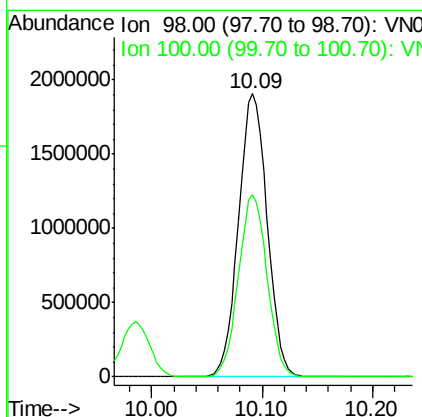
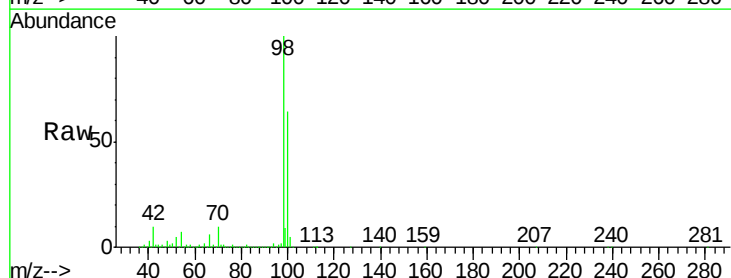
RT: 10.09 min Scan# 2587

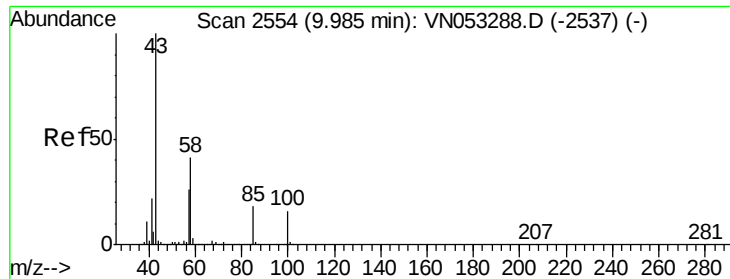
Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Tgt Ion	98	Resp	3433352
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 500.989 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 4360129

Ion Ratio Lower Upper

43 100

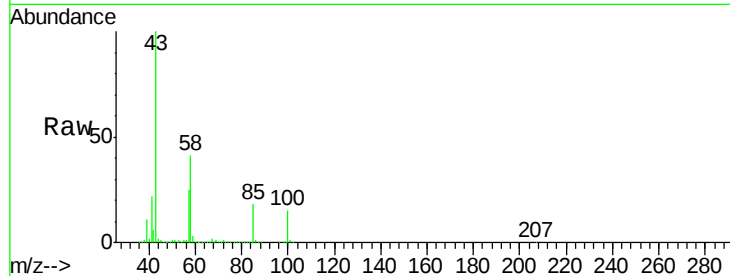
58 40.9 32.7 49.1

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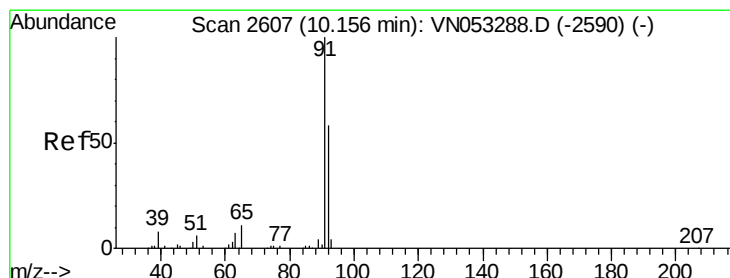
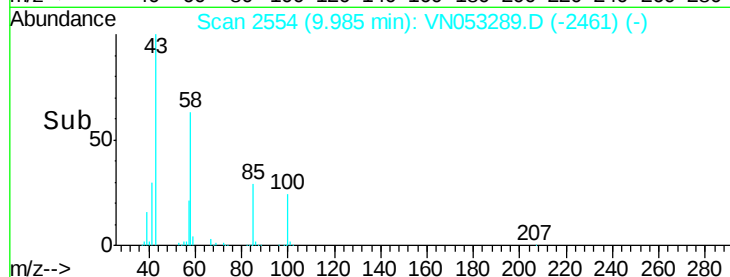
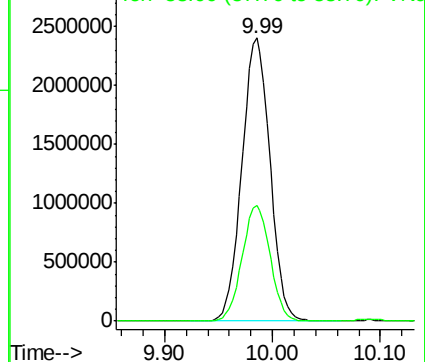
MMDadoda

1/8/2019 10:24:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 100.560 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053289.D

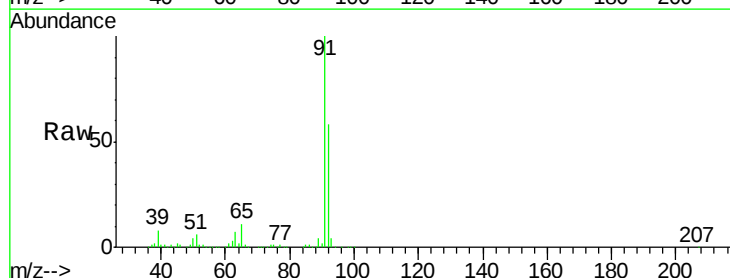
Acq: 4 Jan 2019 19:02

Tgt Ion: 92 Resp: 2515355

Ion Ratio Lower Upper

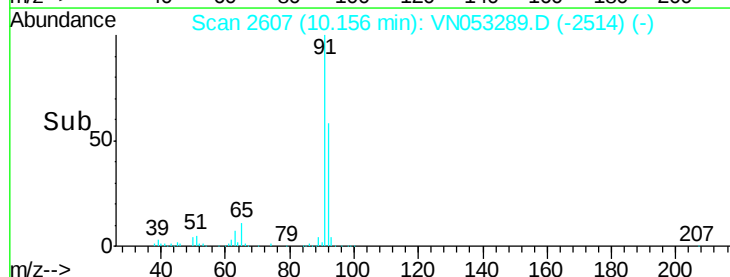
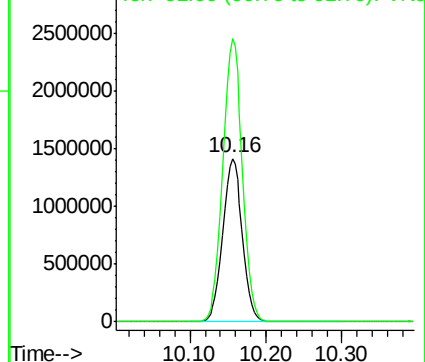
92 100

91 174.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





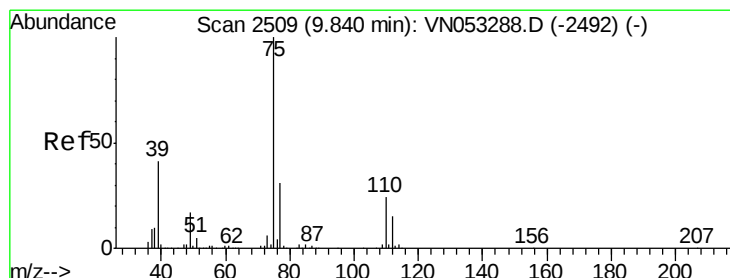
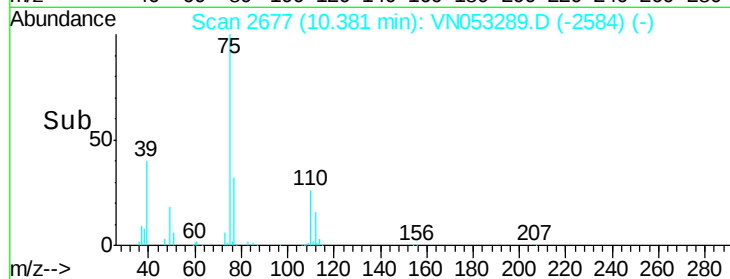
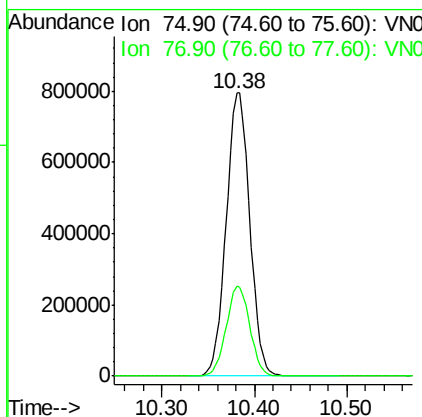
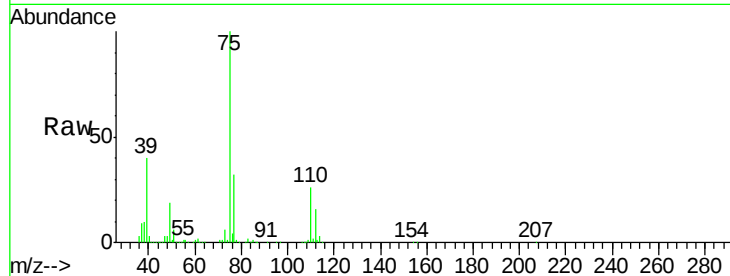
#53
t-1,3-Dichloropropene
Concen: 104.192 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 1399660
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.4

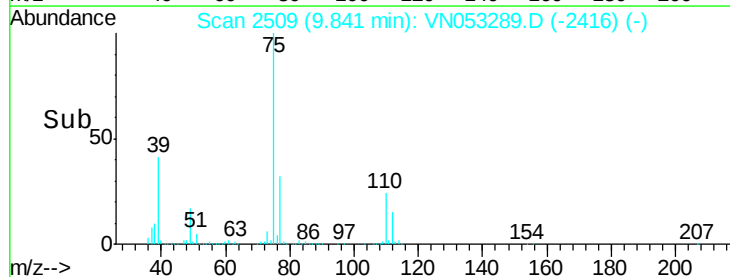
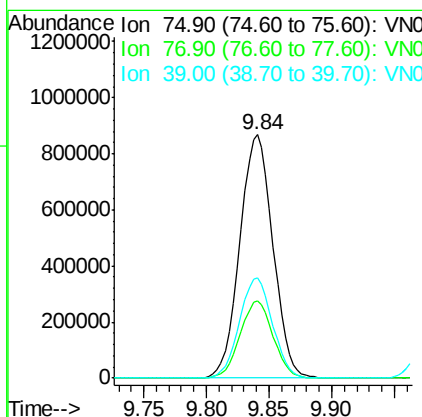
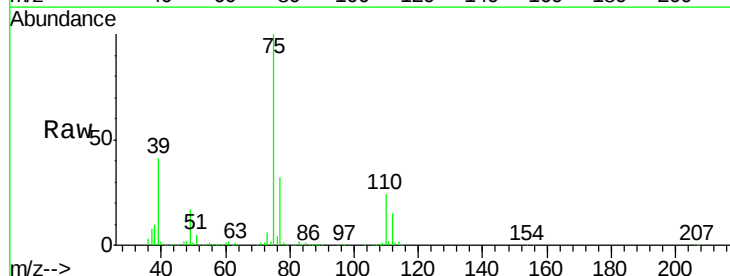
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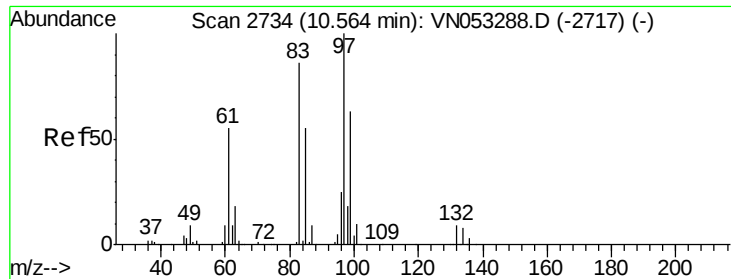
MMDadoda
1/8/2019 10:24:15 AM



#54
cis-1,3-Dichloropropene
Concen: 102.796 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion: 75 Resp: 1593341
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7
39 41.0 33.1 49.7





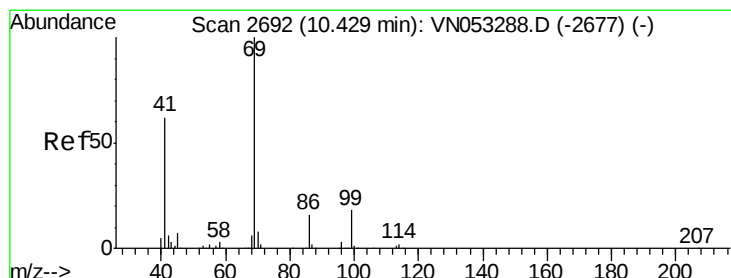
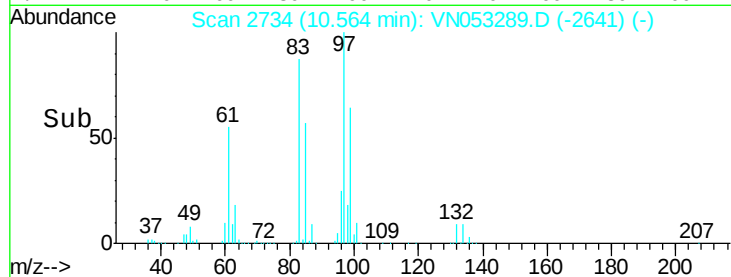
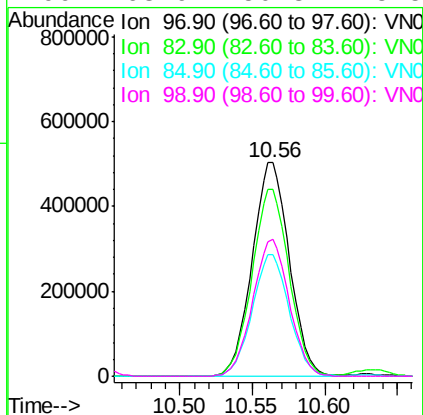
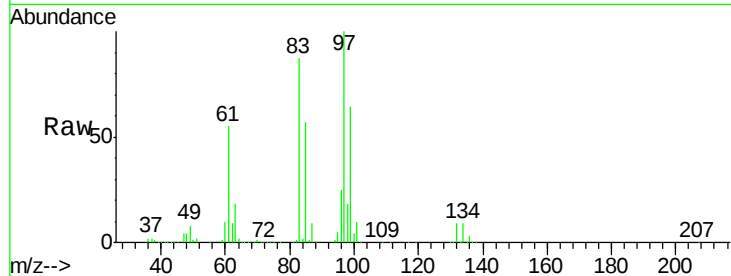
#55
 1,1,2-Trichloroethane
 Concen: 100.046 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:	97	Resp:	898493
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.1	103.7
85	57.2	44.2	66.4
99	63.9	50.3	75.5

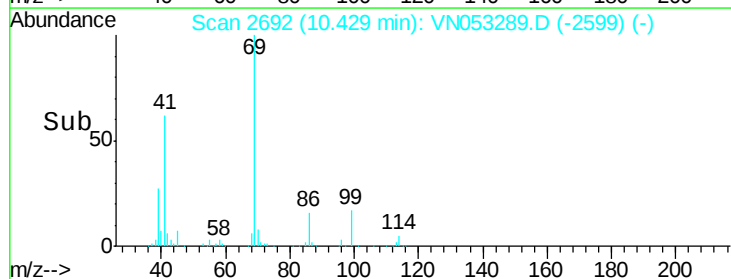
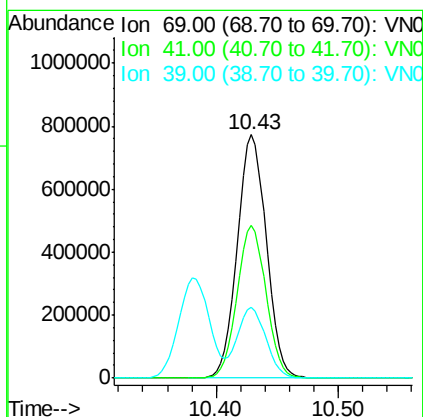
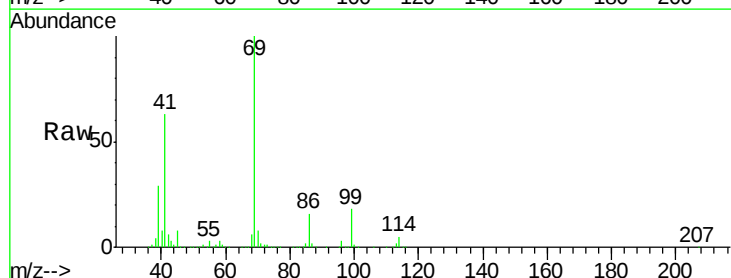
Manual Integrations
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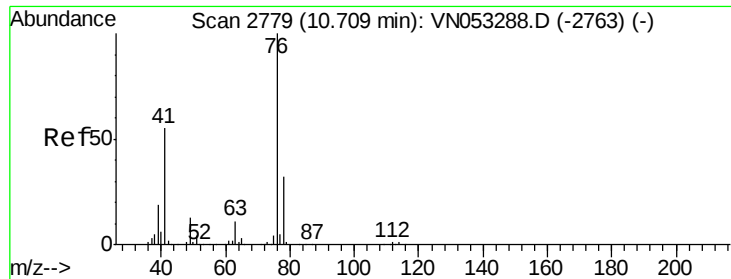
MMDadoda
 1/8/2019 10:24:15 AM



#56
 Ethyl methacrylate
 Concen: 103.252 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion:	69	Resp:	1272354
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.2	73.8
39	28.9	23.4	35.0





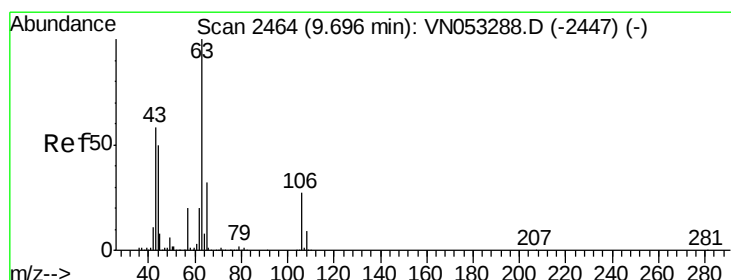
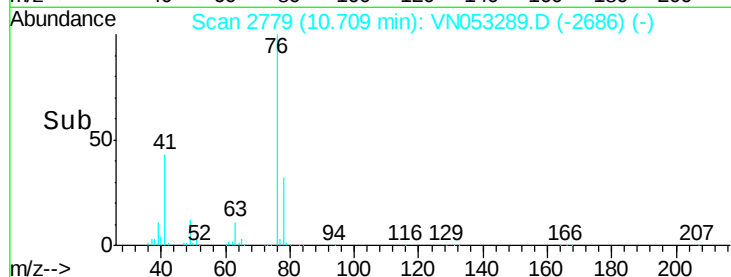
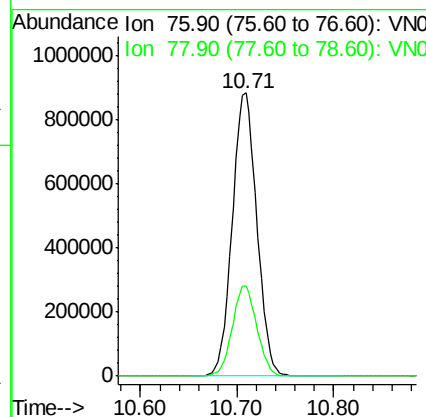
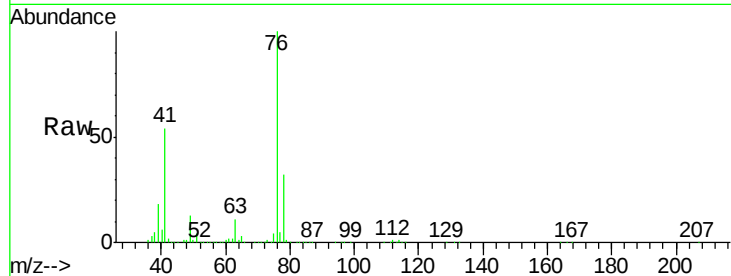
#57
 1,3-Dichloropropane
 Concen: 102.465 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 1555116
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

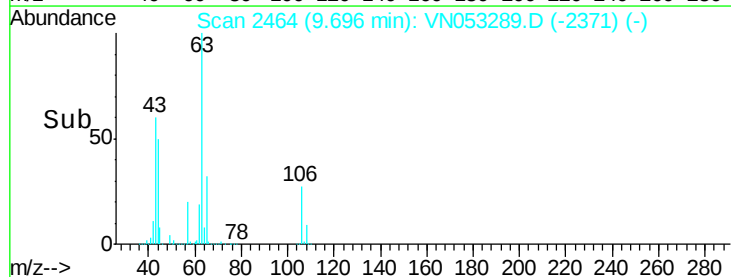
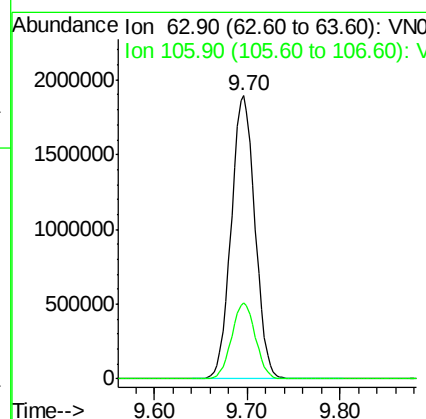
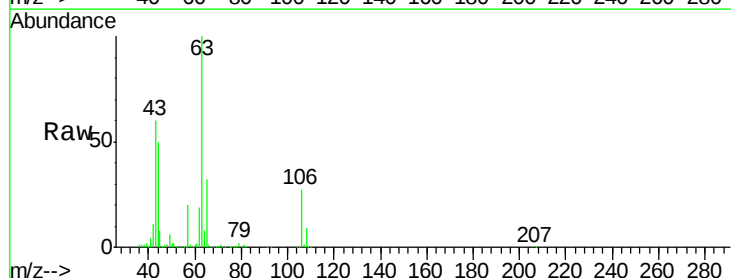
Manual Integrations
 APPROVED

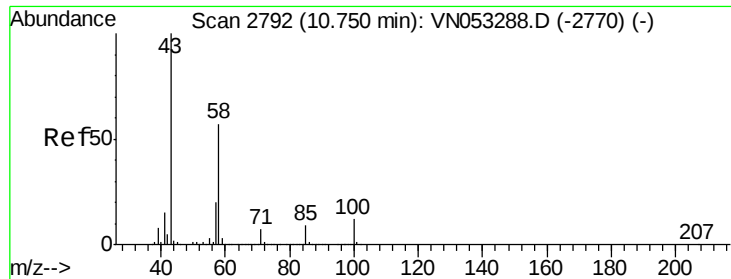
MMDadoda
 1/8/2019 10:24:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 509.912 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion: 63 Resp: 3357059
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5





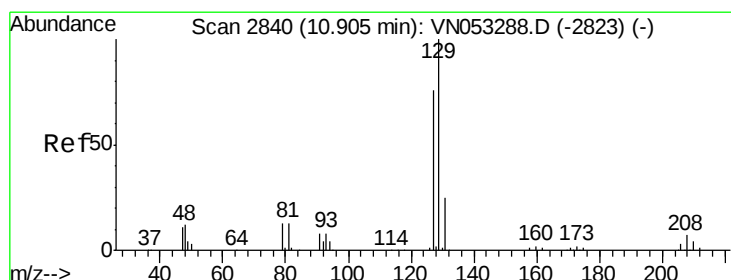
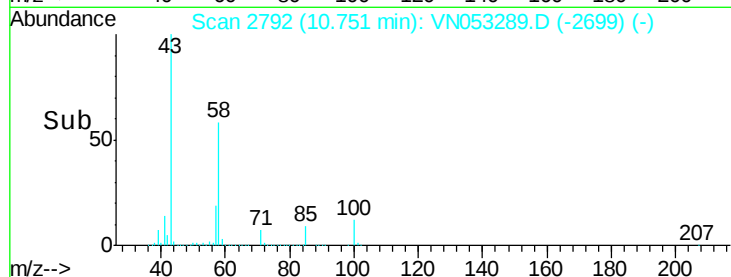
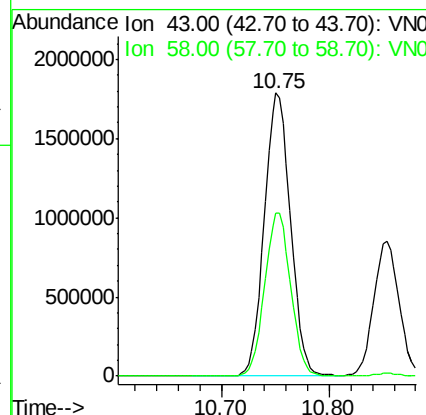
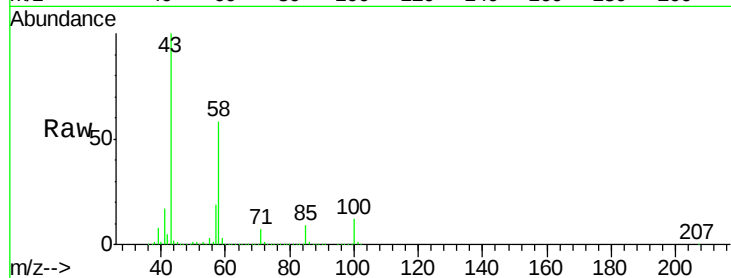
#59
2-Hexanone
Concen: 497.855 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3001813
Ion Ratio Lower Upper
43 100
58 57.4 28.3 85.0

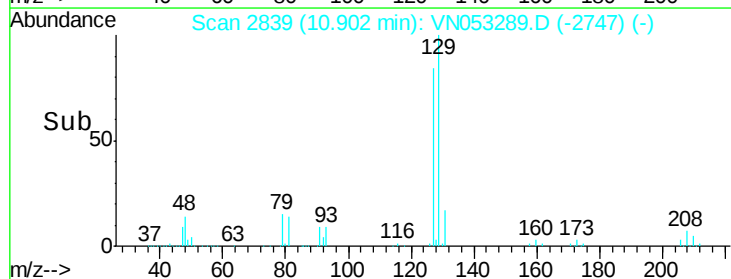
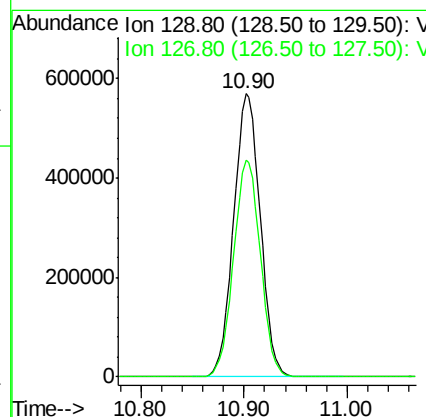
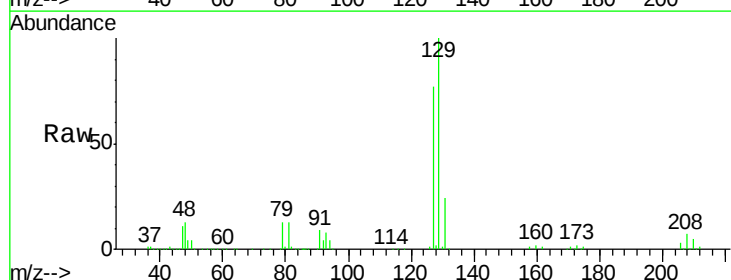
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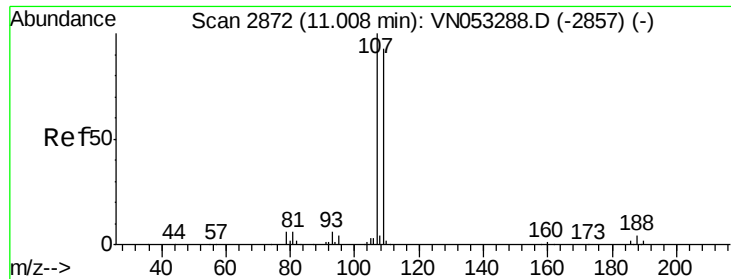
MMDadoda
1/8/2019 10:24:15 AM



#60
Dibromochloromethane
Concen: 102.230 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion: 129 Resp: 1026310
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





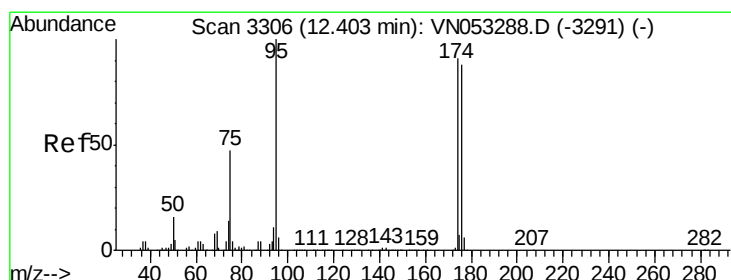
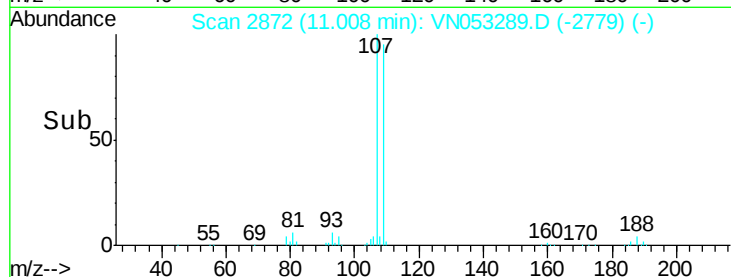
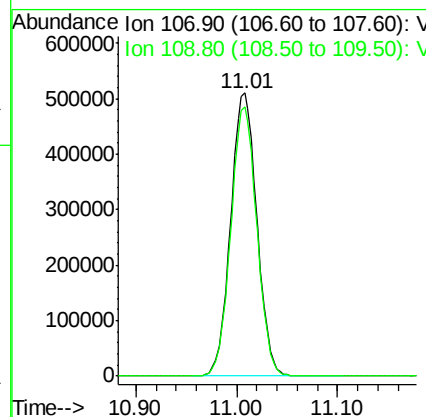
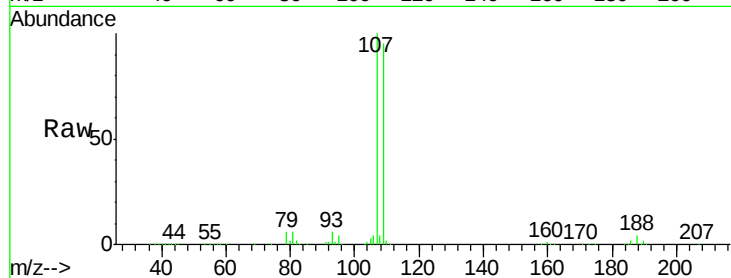
#61
 1,2-Dibromoethane
 Concen: 101.662 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 107 Resp: 924542
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.6

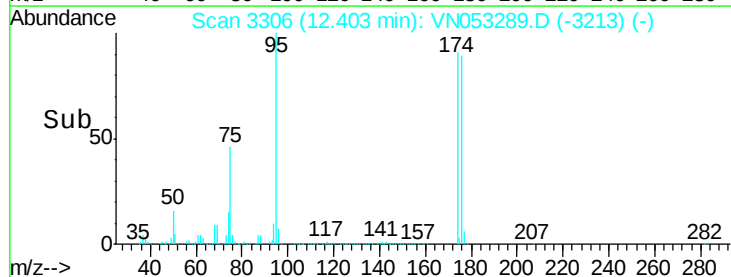
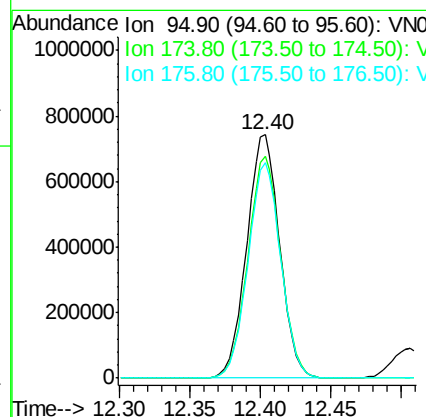
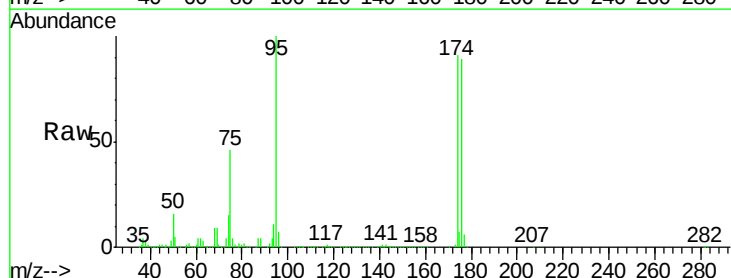
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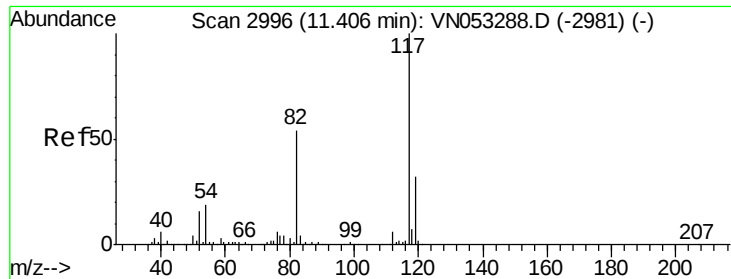
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 101.662 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion: 95 Resp: 1216038
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 180.4
 176 87.9 0.0 175.6





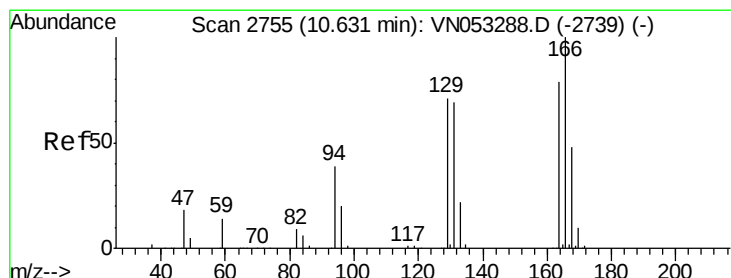
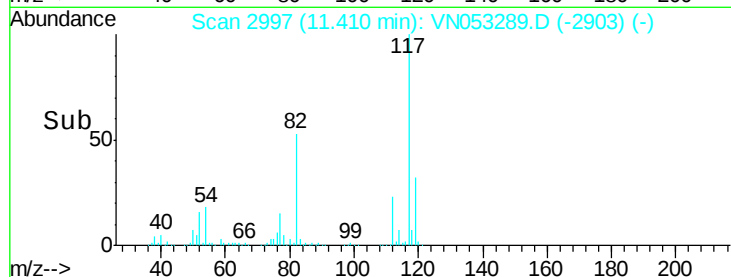
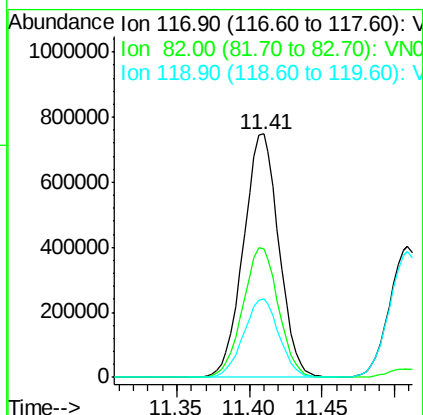
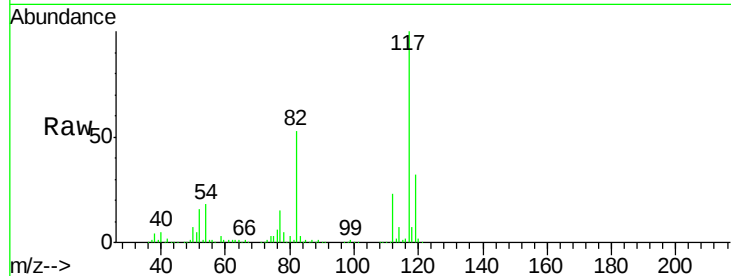
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.9	64.3
119	32.2	25.6	38.4

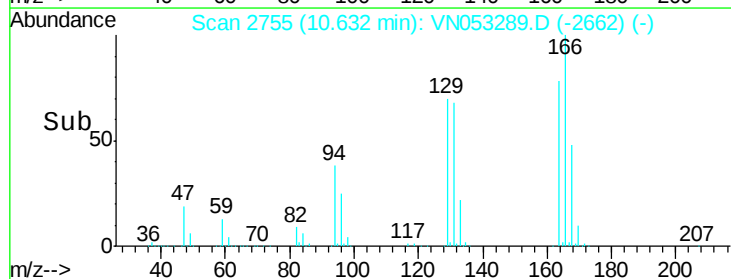
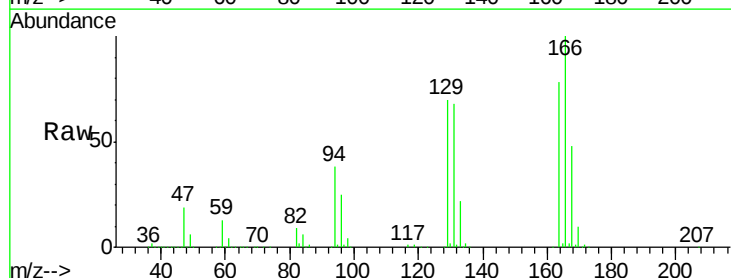
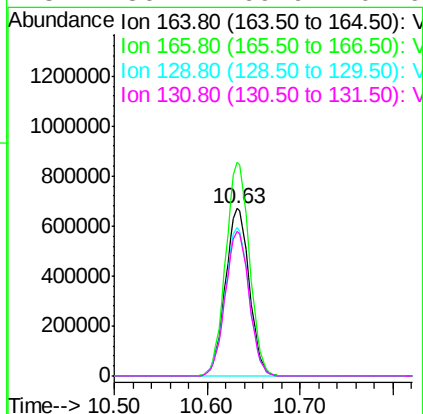
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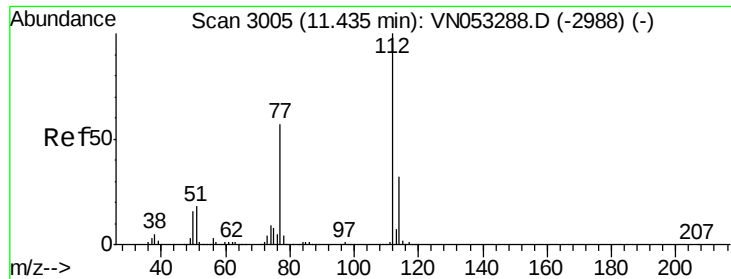
MMDadoda
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#64
Tetrachloroethene
Concen: 98.471 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.7	152.5
129	88.8	72.1	108.1
131	86.1	69.9	104.9





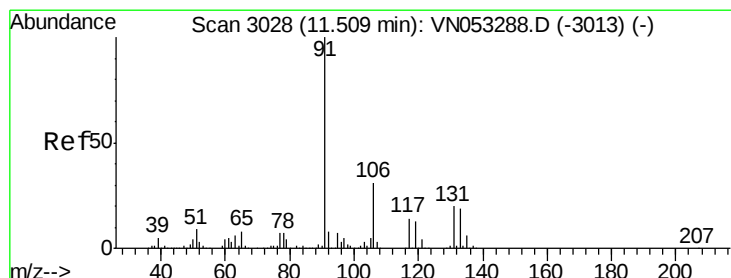
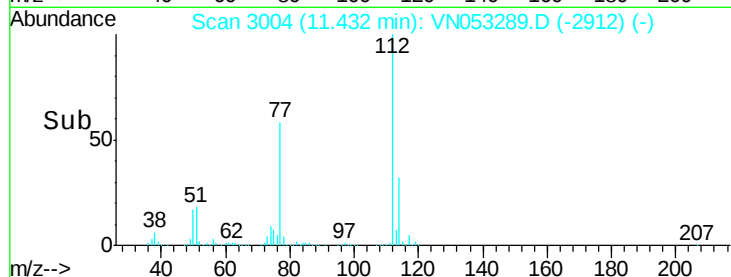
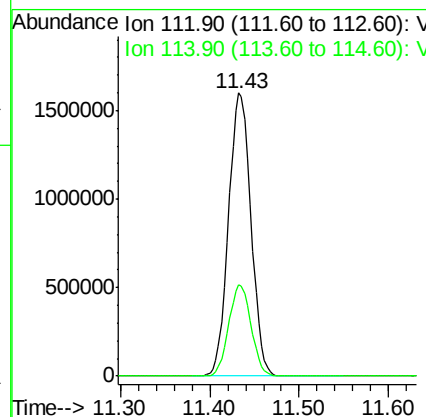
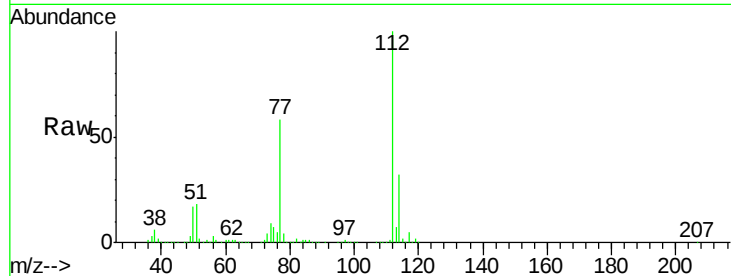
#65
Chlorobenzene
Concen: 100.303 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 2777388
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

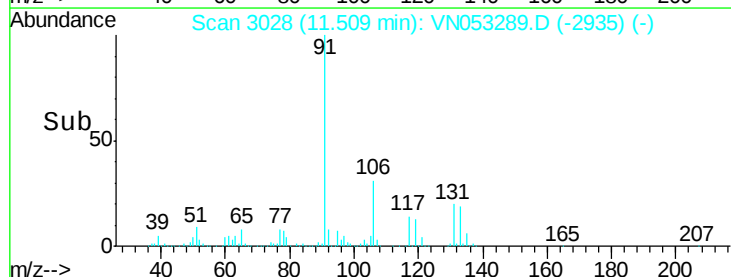
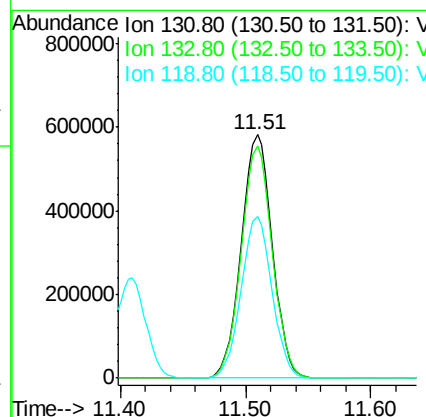
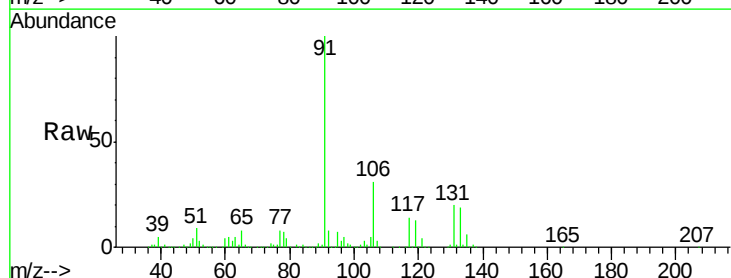
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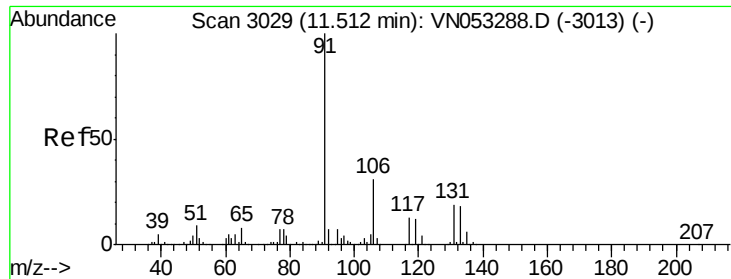
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#66
1,1,1,2-Tetrachloroethane
Concen: 102.189 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion:131 Resp: 997965
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 66.1 33.3 99.9





#67

Ethyl Benzene

Concen: 101.117 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 4842168

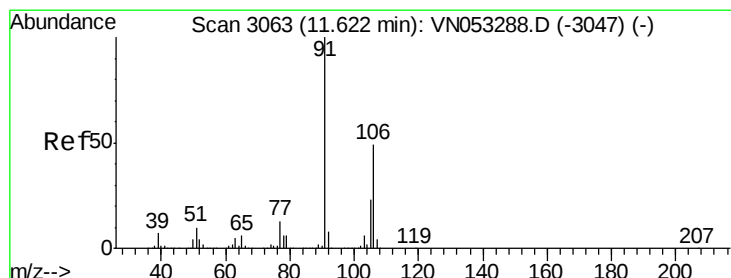
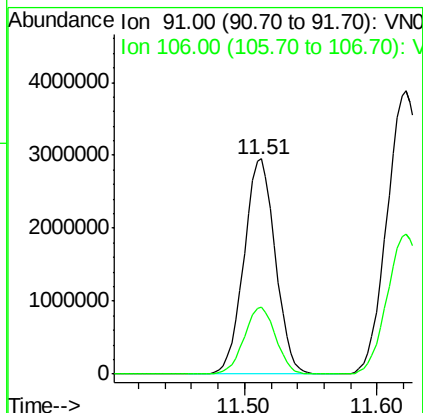
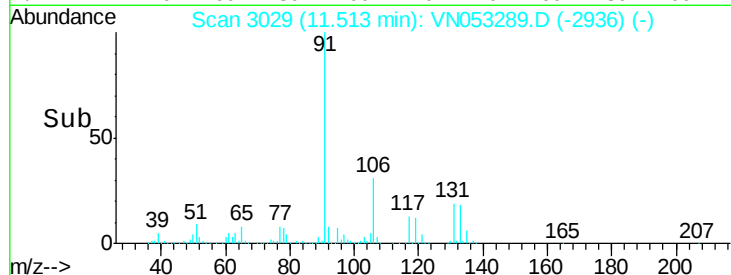
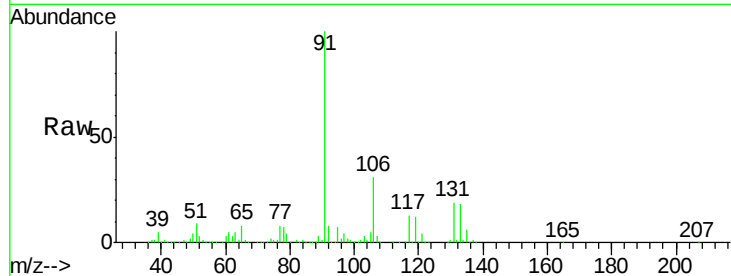
Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 201.162 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053289.D

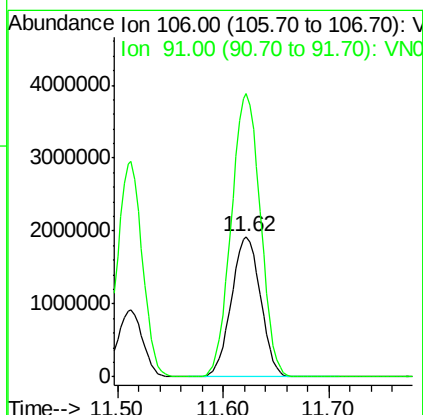
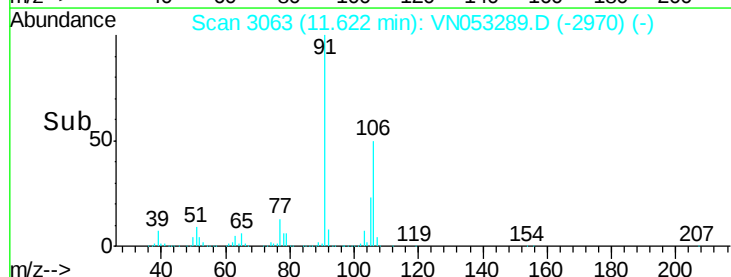
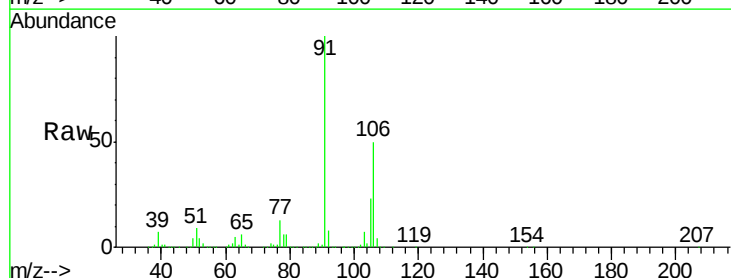
Acq: 4 Jan 2019 19:02

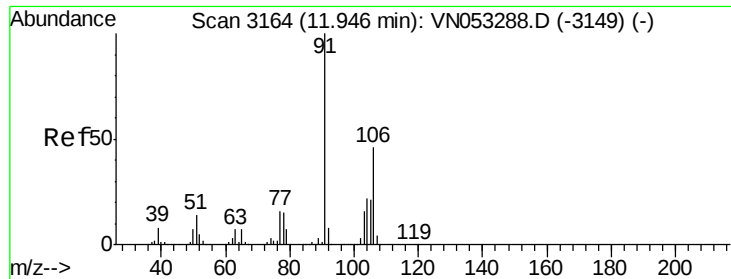
Tgt Ion: 106 Resp: 3671954

Ion Ratio Lower Upper

106 100

91 202.3 161.4 242.2





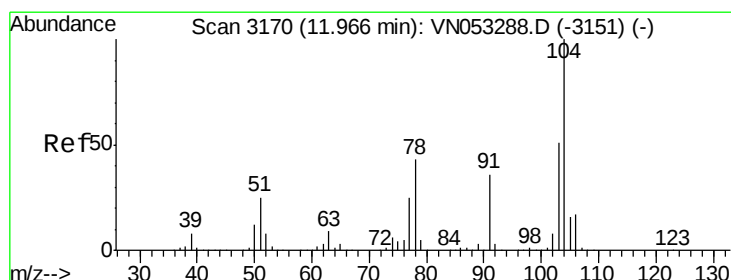
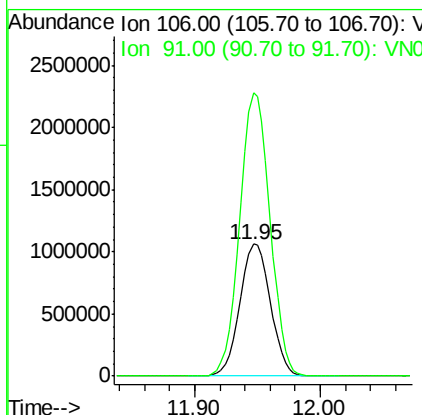
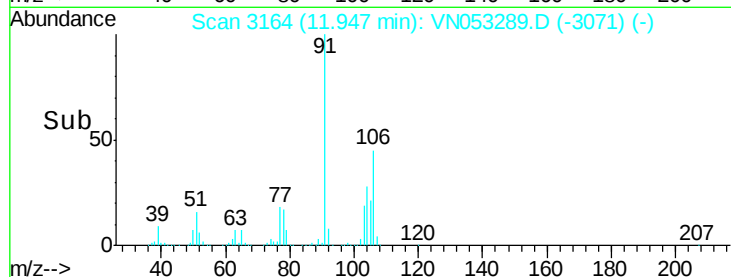
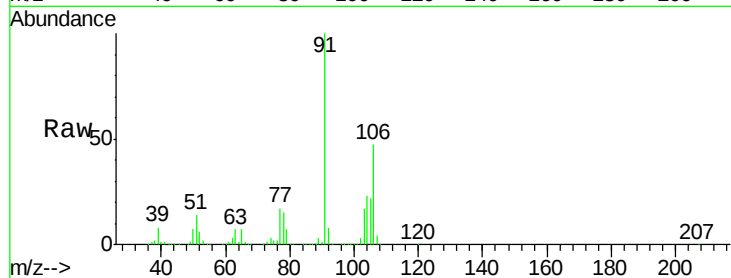
#69
o-Xylene
Concen: 101.230 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 1790651
Ion Ratio Lower Upper
106 100
91 212.7 106.8 320.4

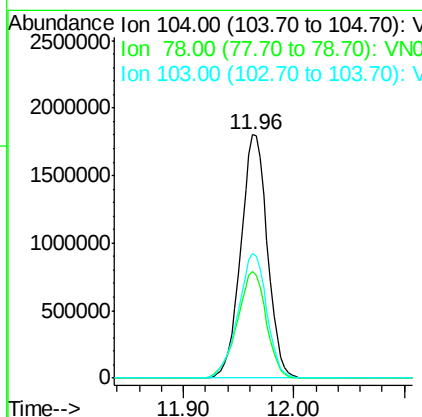
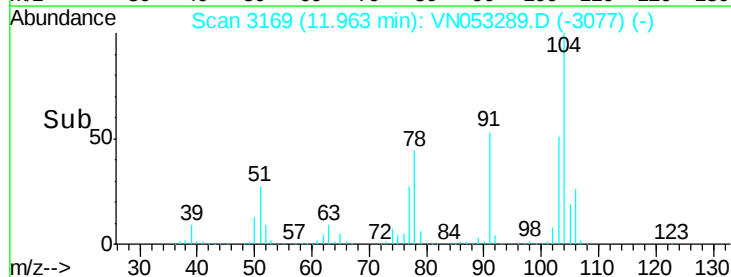
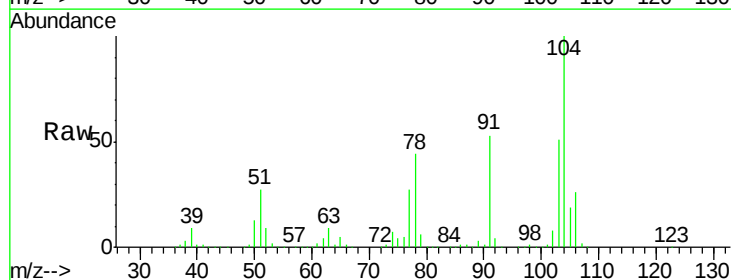
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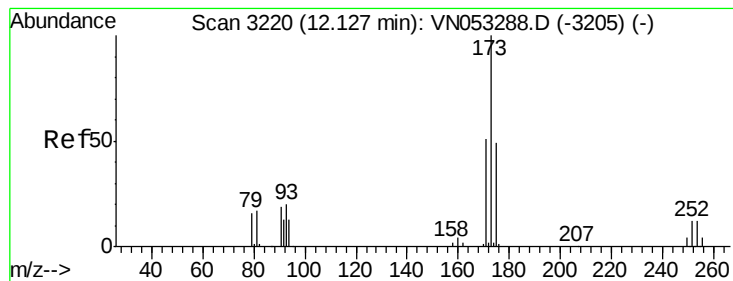
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#70
Styrene
Concen: 102.061 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion:104 Resp: 2991353
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 55.2 44.5 66.7





#71

Bromoform

Concen: 103.596 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:173 Resp: 730899

Ion Ratio Lower Upper

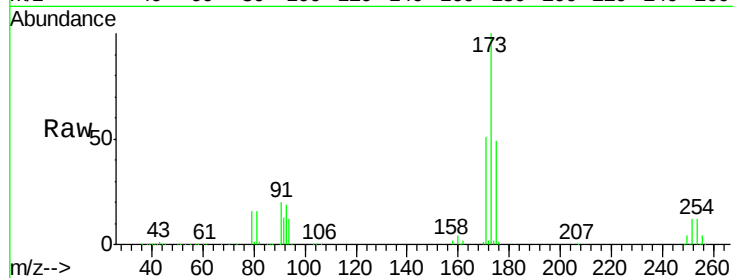
173 100

175 48.9 24.3 72.8

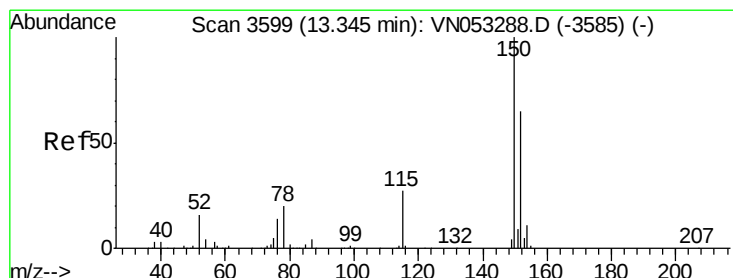
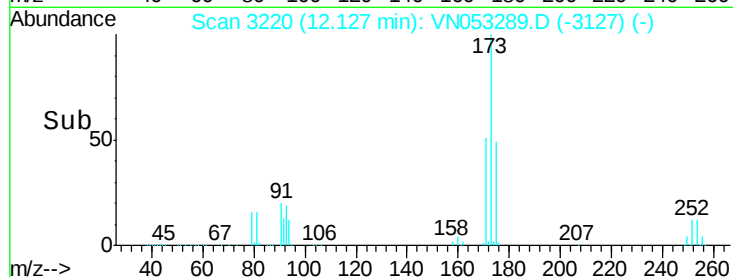
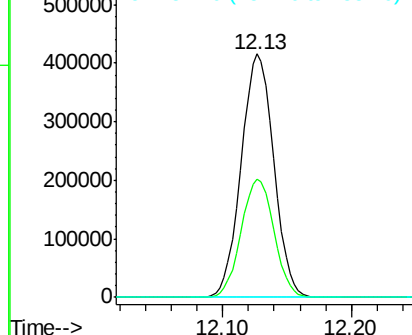
254 0.2 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

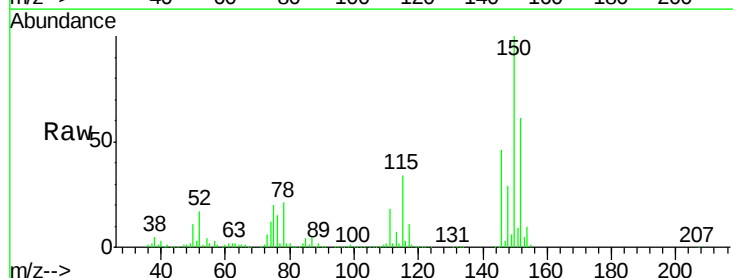
Tgt Ion:152 Resp: 634823

Ion Ratio Lower Upper

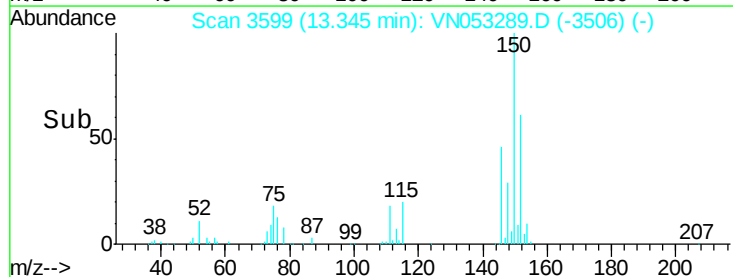
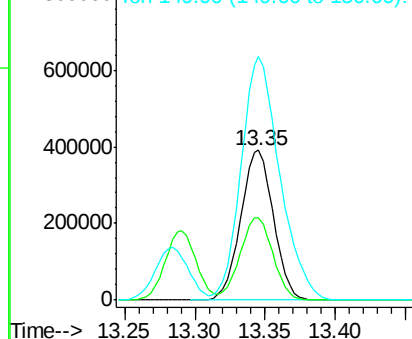
152 100

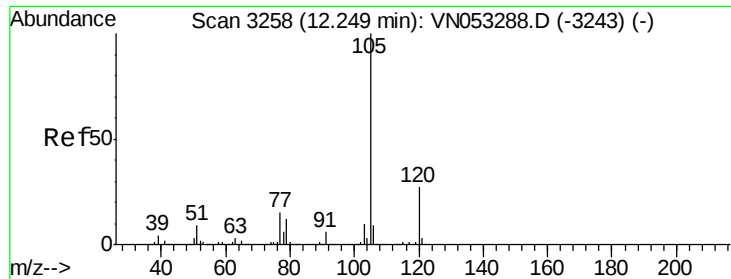
115 55.3 28.0 84.0

150 191.5 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





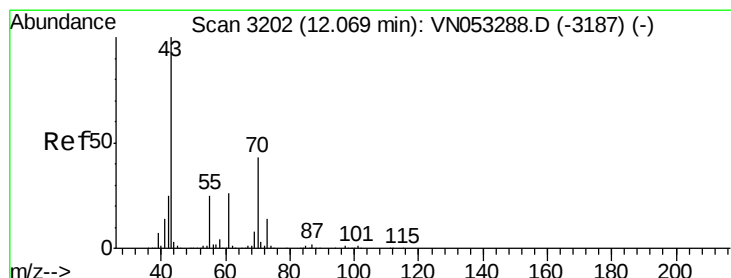
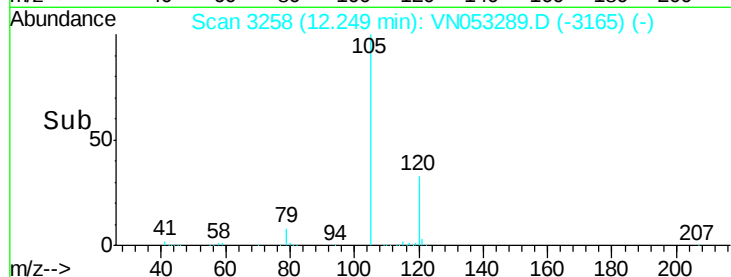
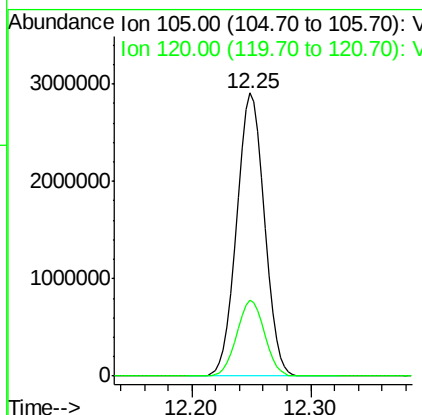
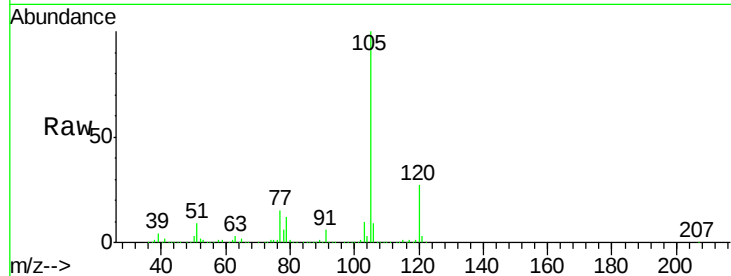
#73
Isopropylbenzene
Concen: 97.414 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 4686417
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2

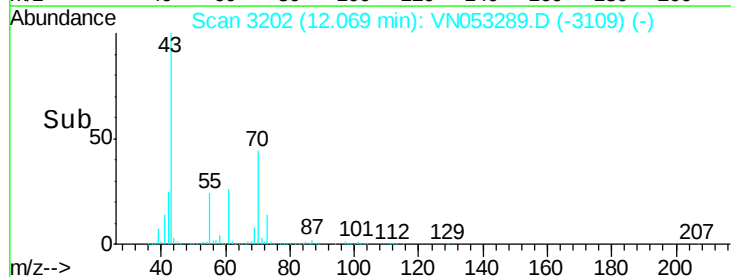
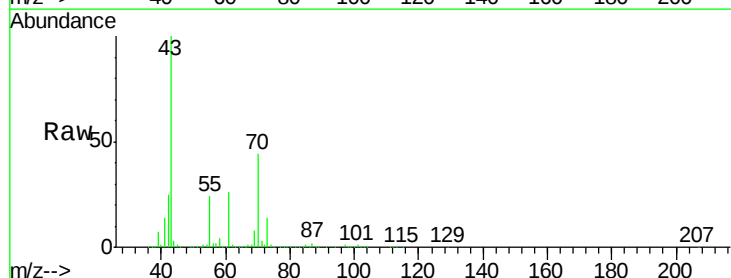
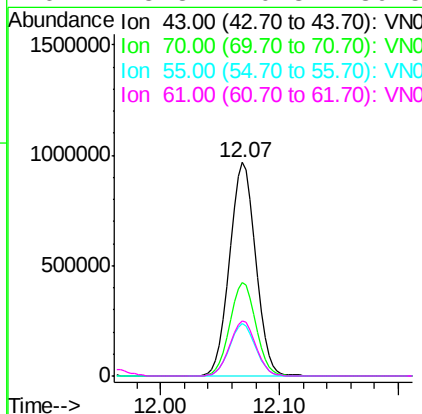
Manual Integrations
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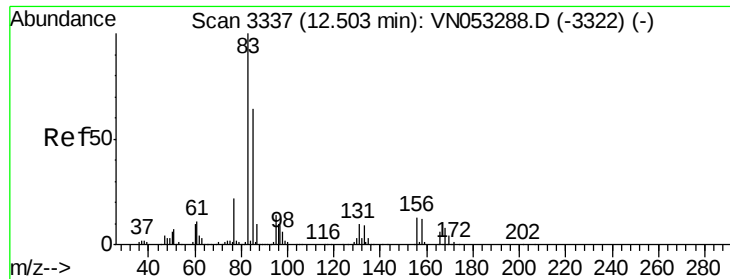
MMDadoda
1/8/2019 10:24:15 AM



#74
N-ethyl acetate
Concen: 100.035 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion: 43 Resp: 1469581
Ion Ratio Lower Upper
43 100
70 44.1 35.0 52.6
55 24.7 20.0 30.0
61 25.8 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 98.474 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1048628

Ion Ratio Lower Upper

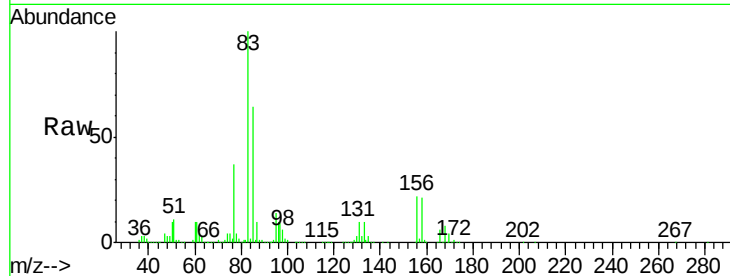
83 100

131 10.4 5.3 15.9

85 64.4 32.3 96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

800000

600000

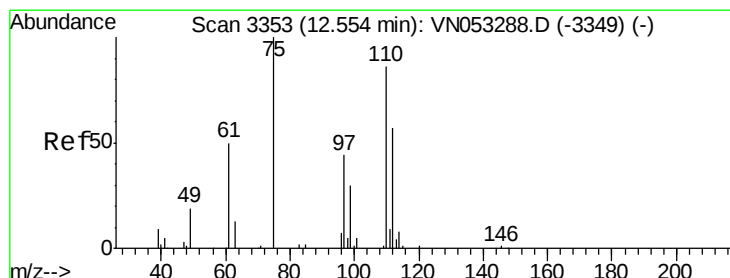
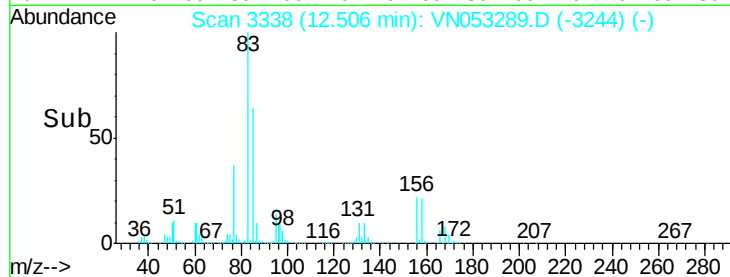
400000

200000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 98.329 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053289.D

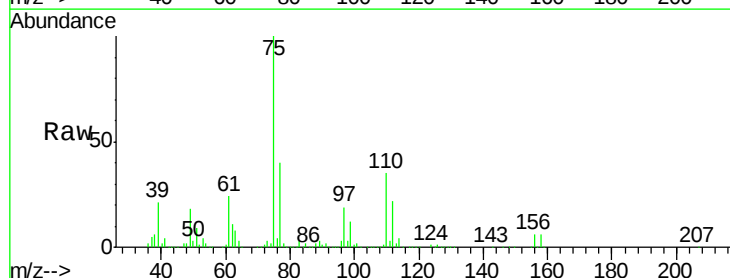
Acq: 4 Jan 2019 19:02

Tgt Ion: 75 Resp: 886552

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

1200000

1000000

800000

600000

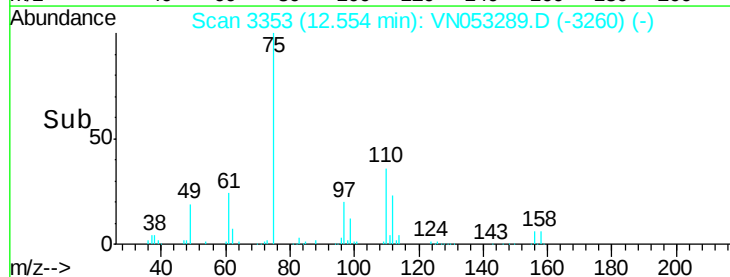
400000

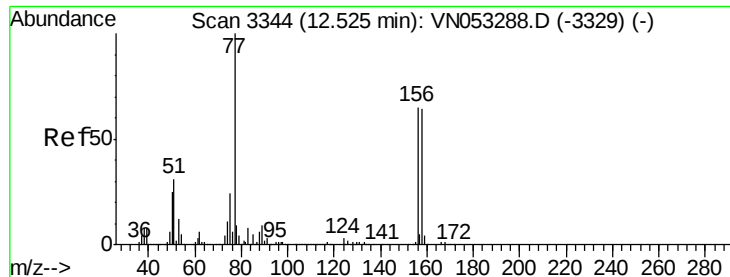
200000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 98.389 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:156 Resp: 1237804

Ion Ratio Lower Upper

156 100

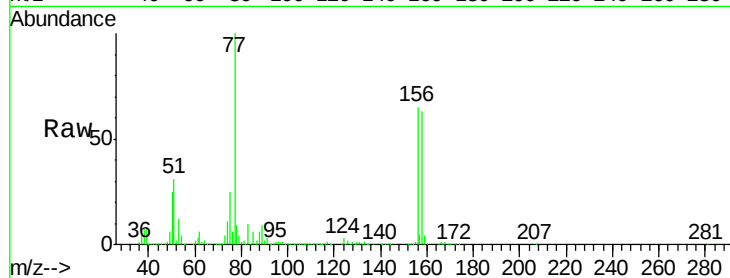
77 180.5 89.3 268.1

158 98.0 48.9 146.8

Manual Integrations
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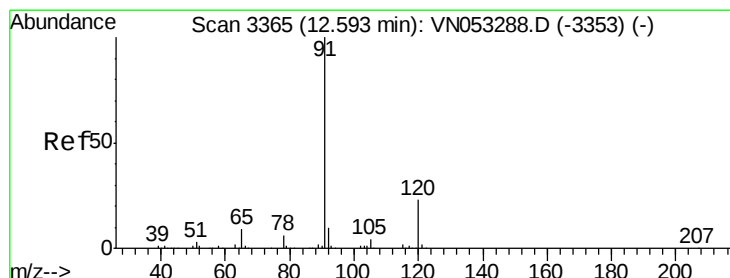
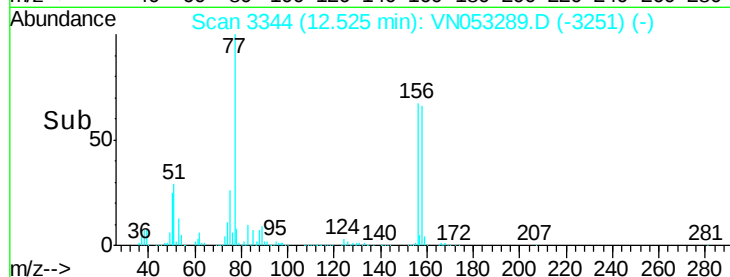
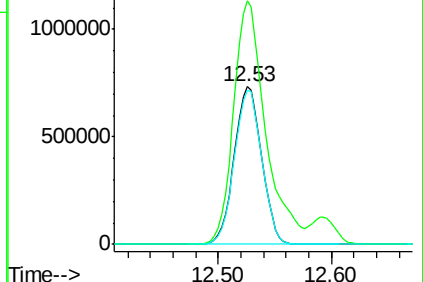
1/8/2019 10:24:15 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 98.360 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053289.D

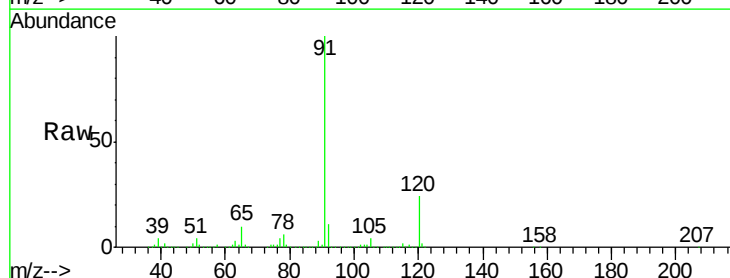
Acq: 4 Jan 2019 19:02

Tgt Ion: 91 Resp: 5394861

Ion Ratio Lower Upper

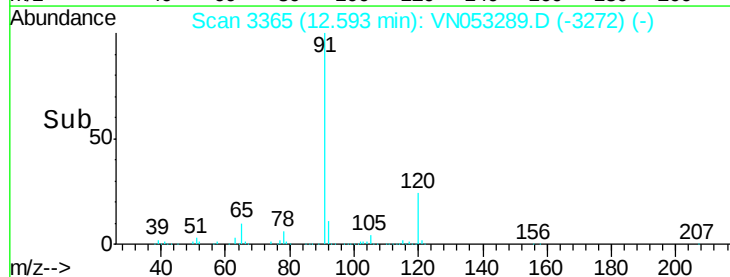
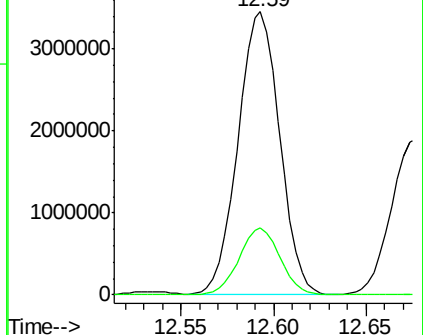
91 100

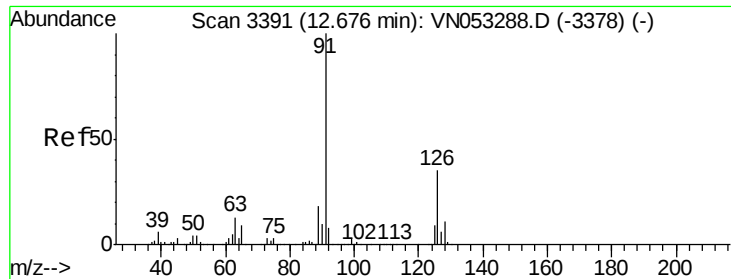
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 98.181 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 3181296

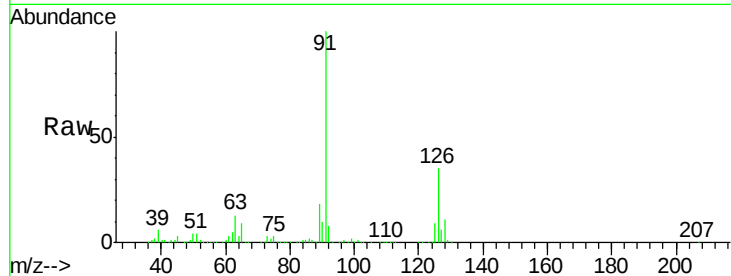
Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.5

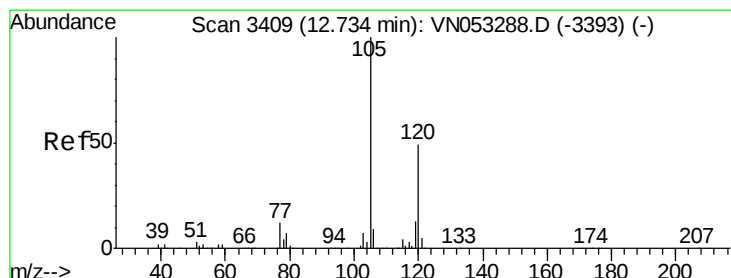
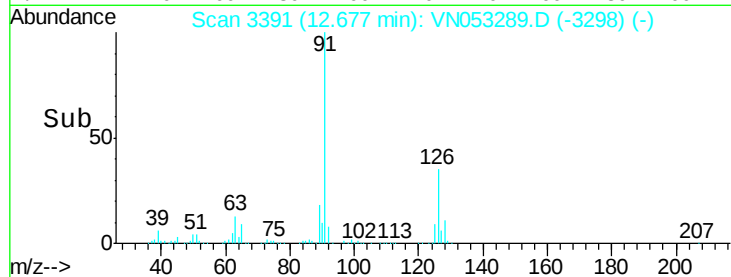
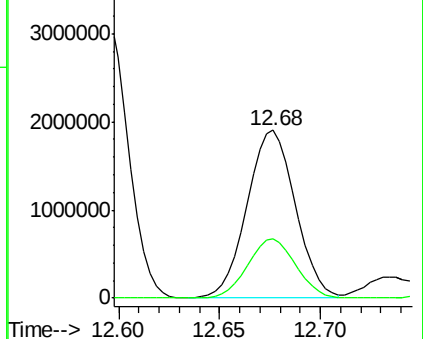
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN053288.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053288.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 99.036 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053289.D

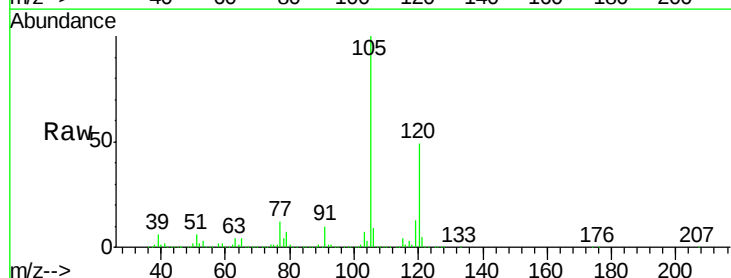
Acq: 4 Jan 2019 19:02

Tgt Ion: 105 Resp: 3836238

Ion Ratio Lower Upper

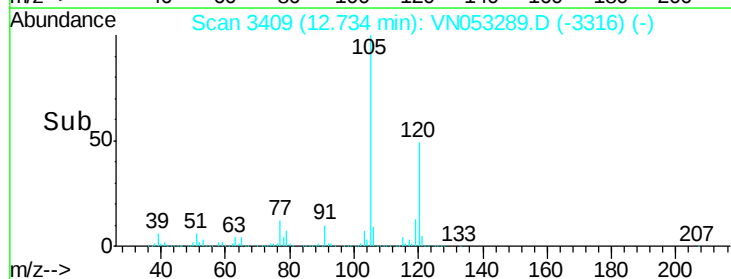
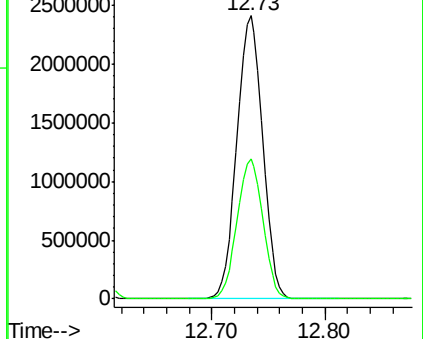
105 100

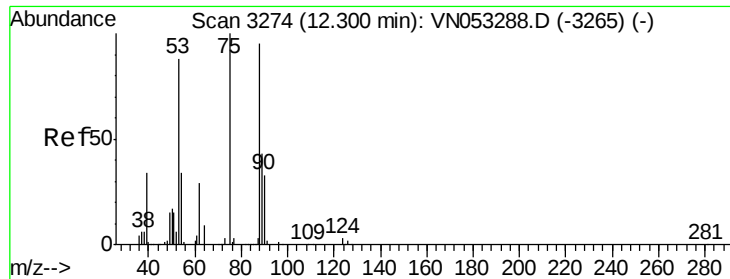
120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053288.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053288.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 102.069 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 343016

Ion Ratio Lower Upper

75 100

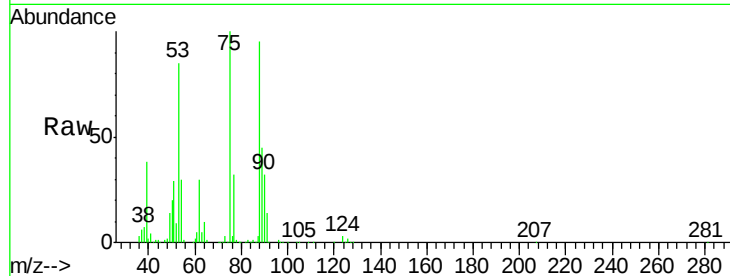
53 86.9 70.5 105.7

89 45.0 35.4 53.0

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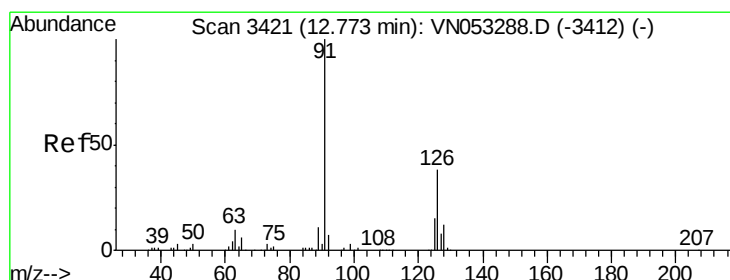
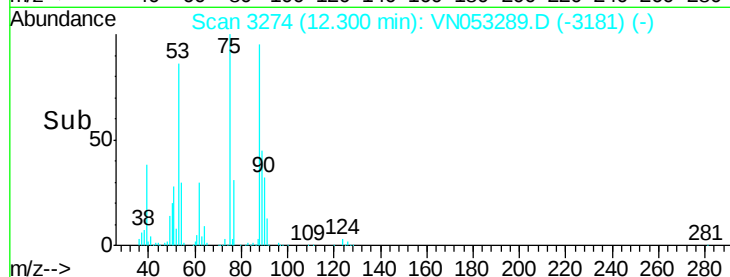
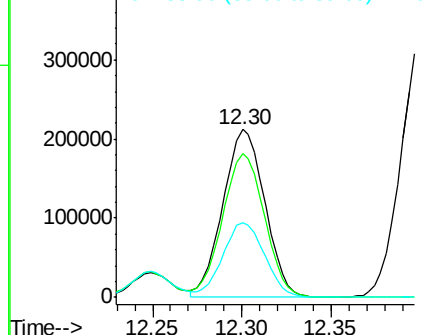
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Abundance Ion 74.90 (74.60 to 75.60): VN053289.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053289.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053289.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 99.753 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053289.D

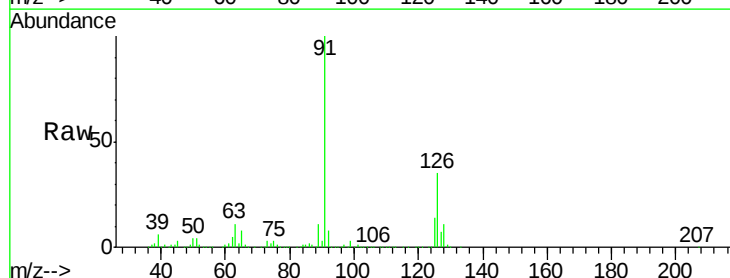
Acq: 4 Jan 2019 19:02

Tgt Ion: 91 Resp: 3312839

Ion Ratio Lower Upper

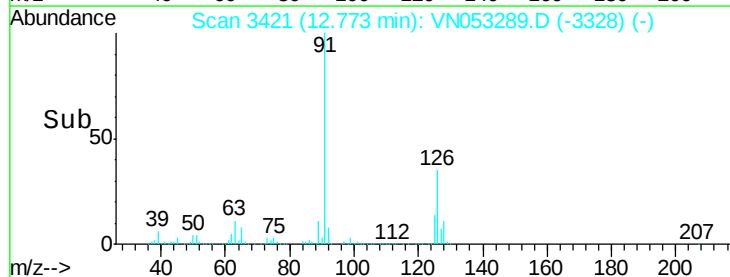
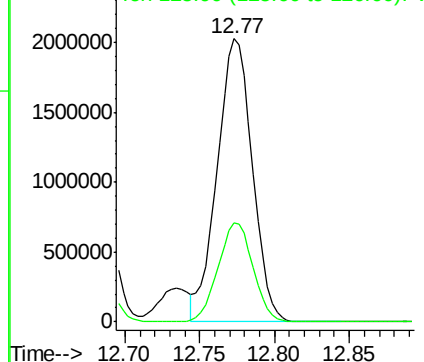
91 100

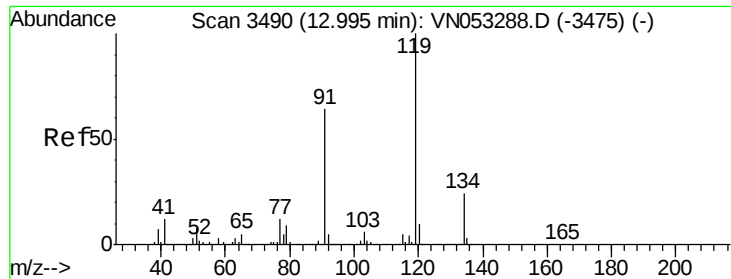
126 34.7 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN053289.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN053289.D (-3328) (-)





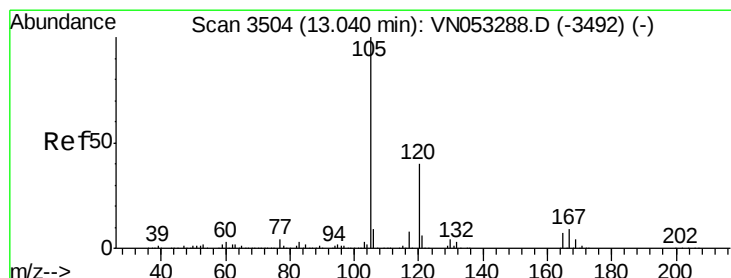
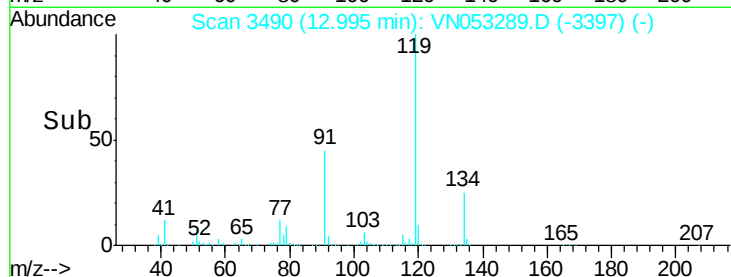
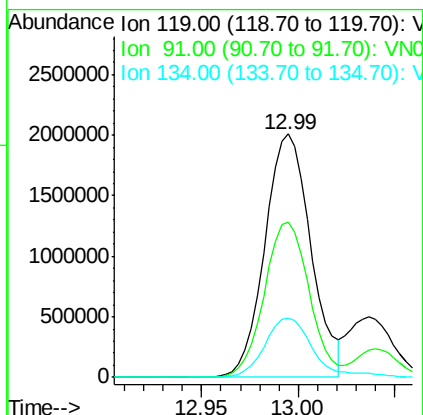
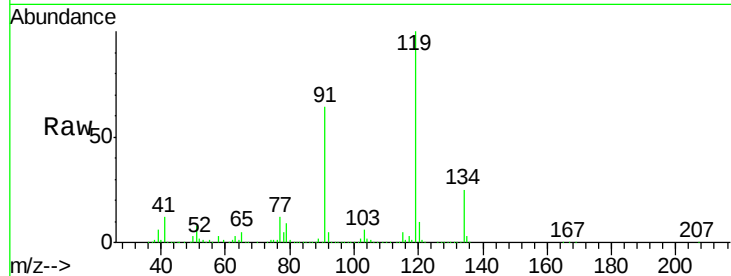
#83
tert-Butylbenzene
Concen: 99.345 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:119 Resp: 3319875
Ion Ratio Lower Upper
119 100
91 62.6 31.6 95.0
134 25.7 12.9 38.6

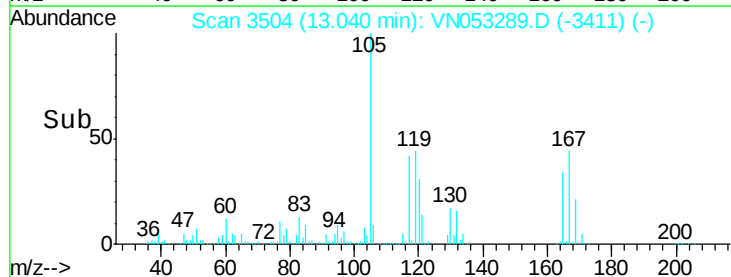
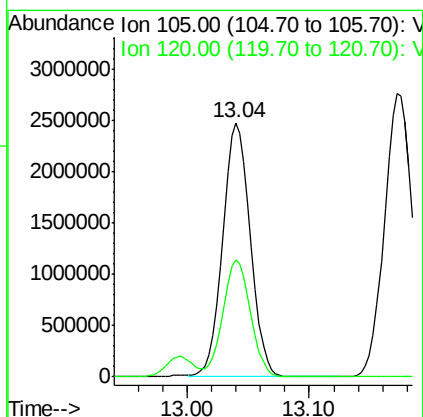
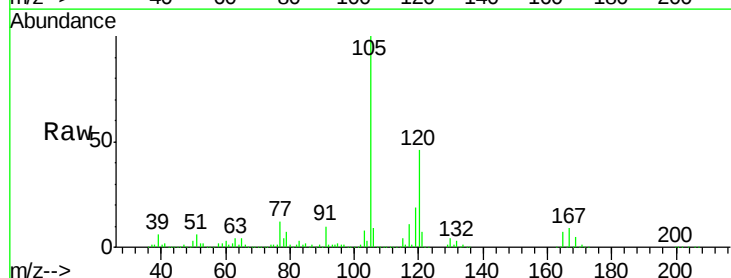
Manual Integrations
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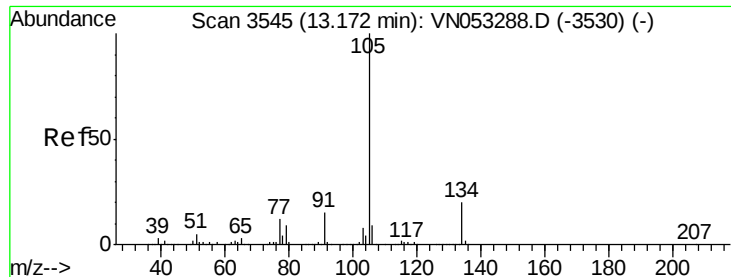
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#84
1,2,4-Trimethylbenzene
Concen: 99.304 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion:105 Resp: 3920546
Ion Ratio Lower Upper
105 100
120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 99.856 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 4455528

Ion Ratio Lower Upper

105 100

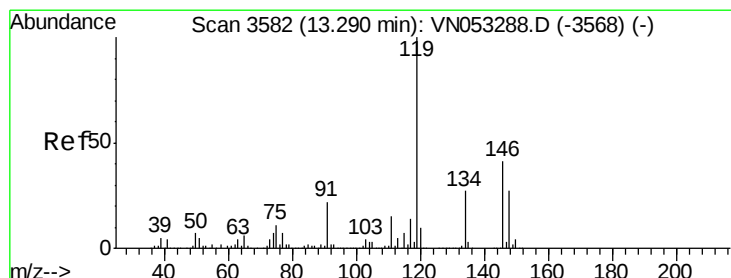
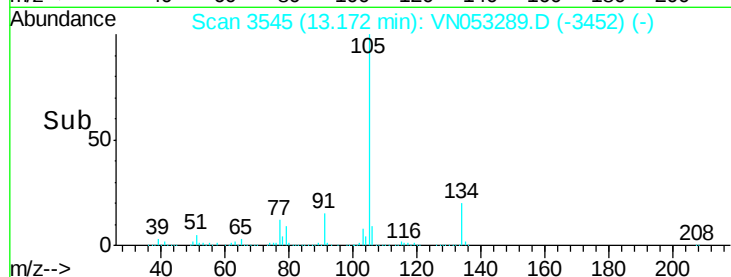
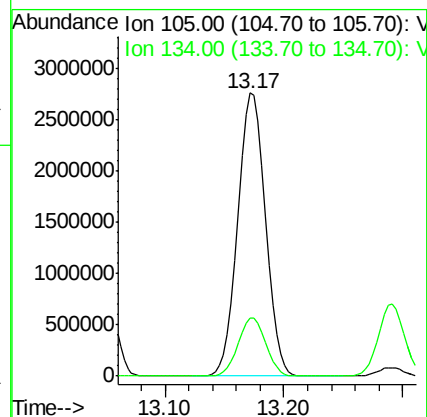
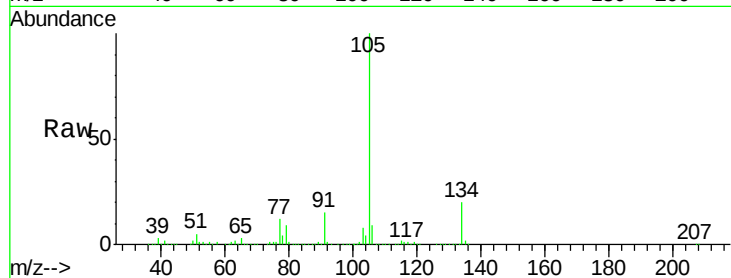
134 20.4 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 100.674 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053289.D

Acq: 4 Jan 2019 19:02

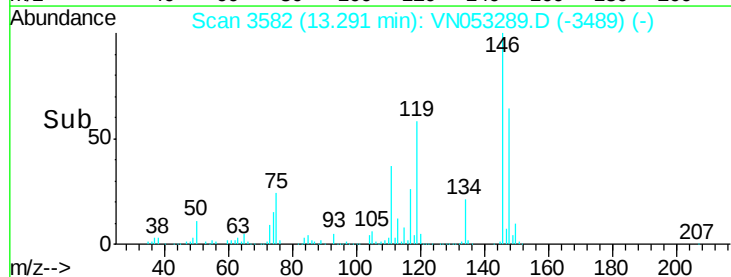
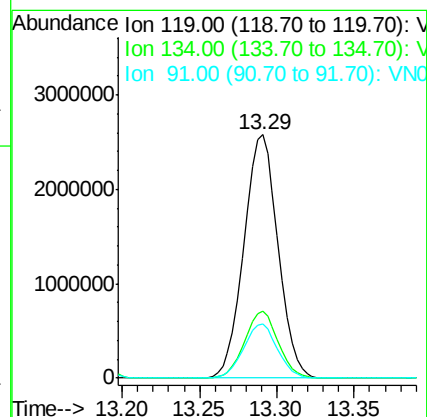
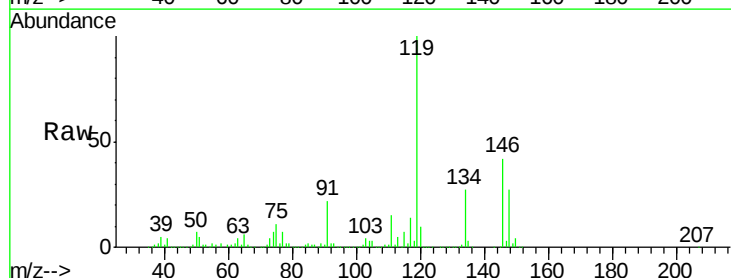
Tgt Ion:119 Resp: 3943681

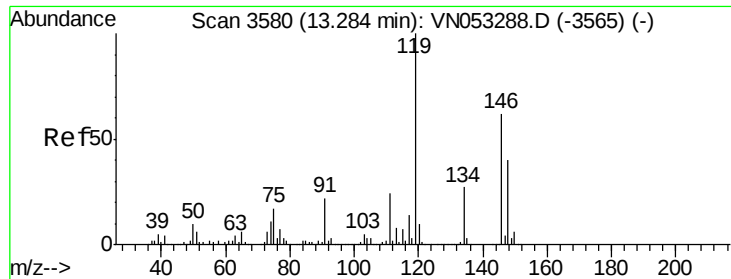
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.1 11.1 33.1





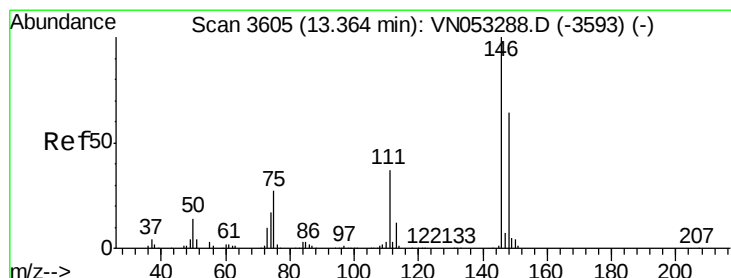
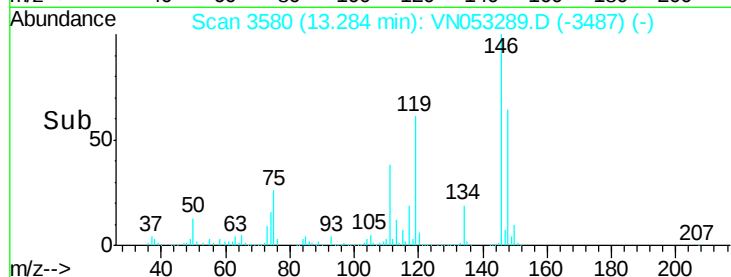
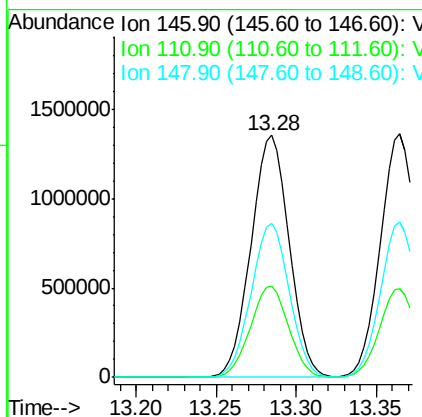
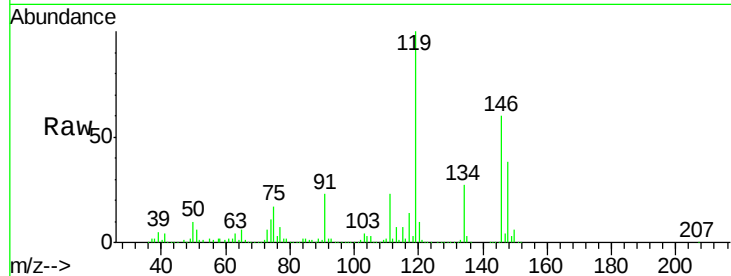
#87
 1,3-Dichlorobenzene
 Concen: 101.140 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 2225649
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.9 56.5
 148 63.6 32.0 96.2

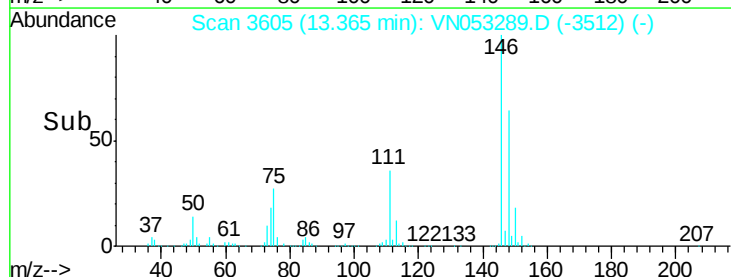
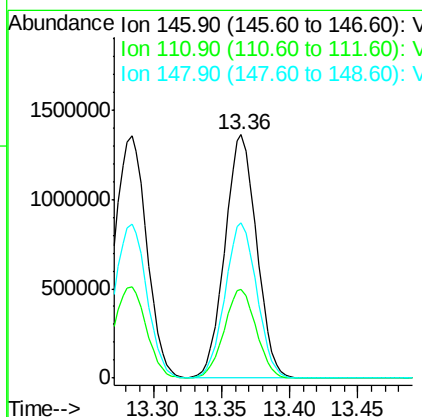
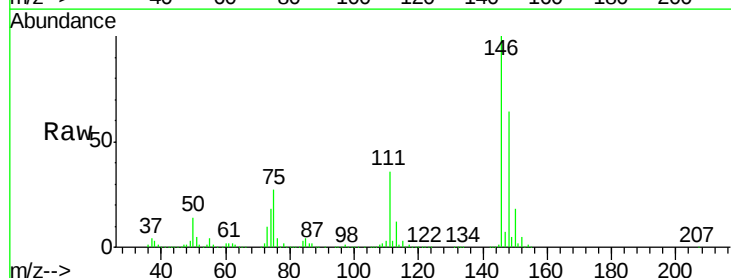
Manual Integrations
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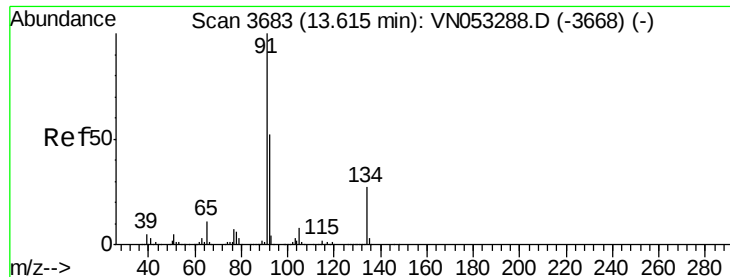
MMDadoda
 1/8/2019 10:24:15 AM



#88
 1,4-Dichlorobenzene
 Concen: 101.106 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion:146 Resp: 2196893
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 55.8
 148 64.1 32.0 96.0





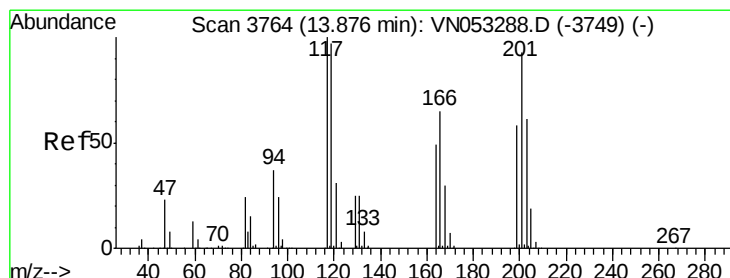
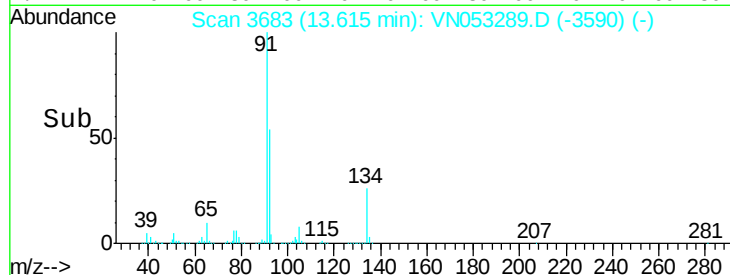
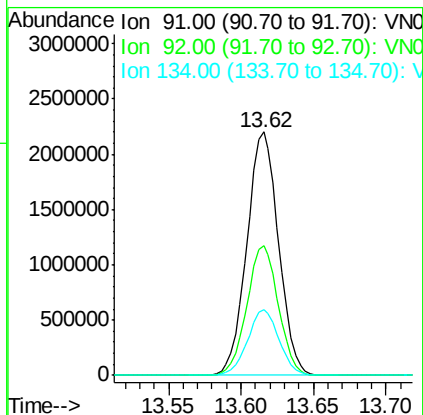
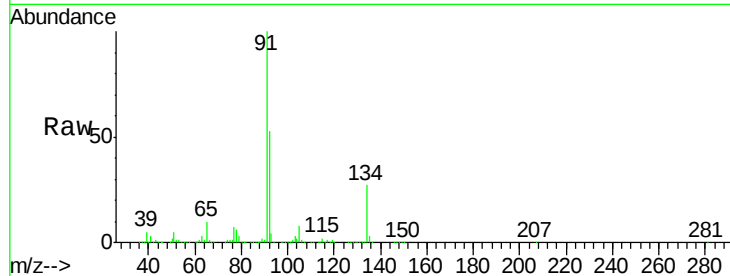
#89
n-Butylbenzene
Concen: 103.084 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3342880
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.8
134 26.9 13.5 40.5

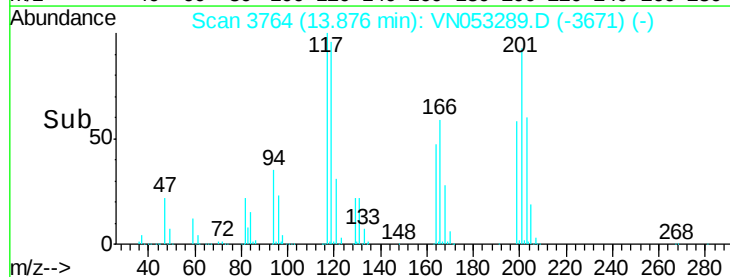
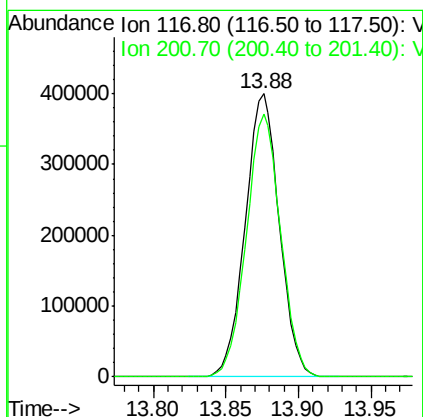
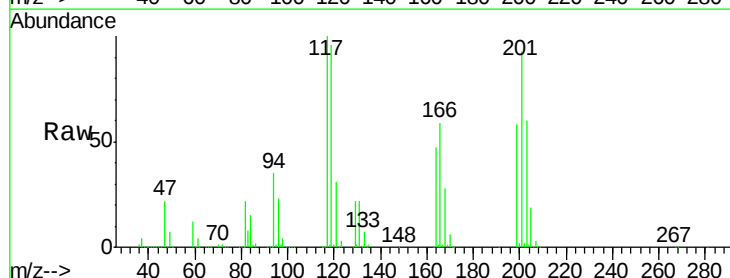
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#90
Hexachloroethane
Concen: 104.779 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion: 117 Resp: 653953
Ion Ratio Lower Upper
117 100
201 93.3 46.1 138.3





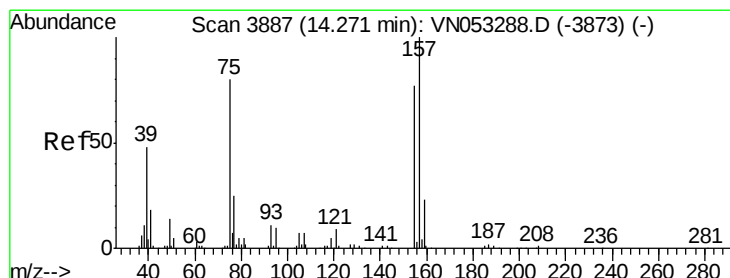
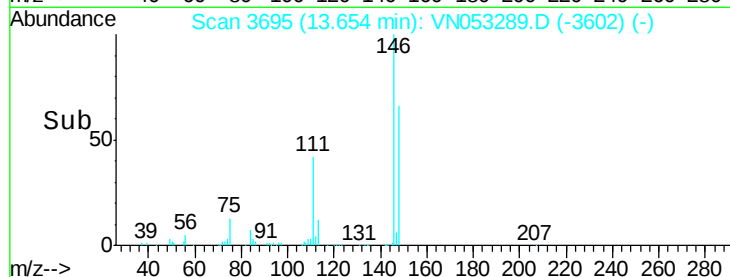
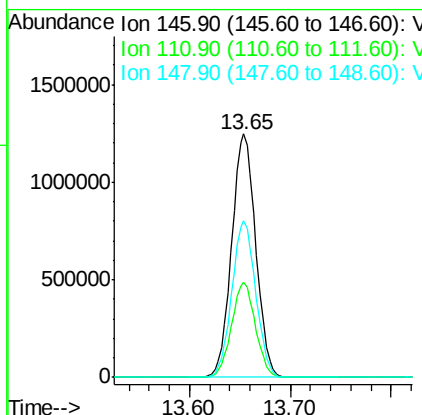
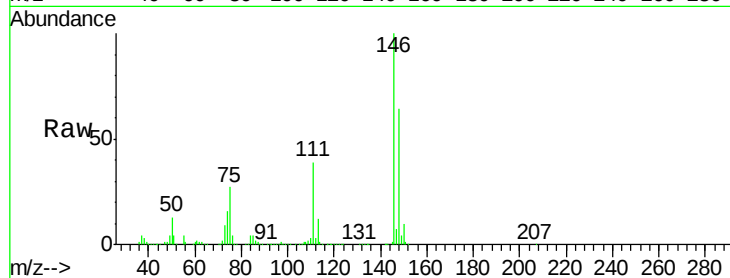
#91
 1,2-Dichlorobenzene
 Concen: 98.934 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.1	32.2	96.6

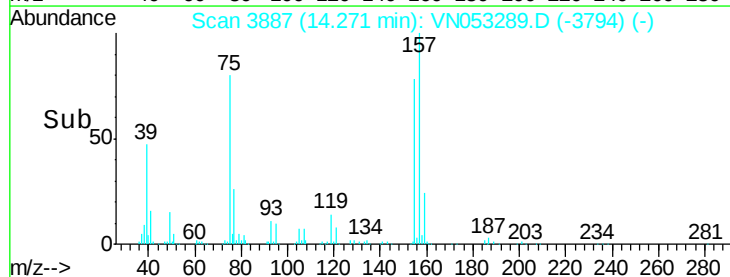
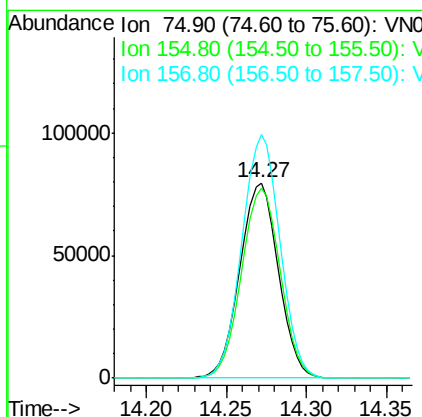
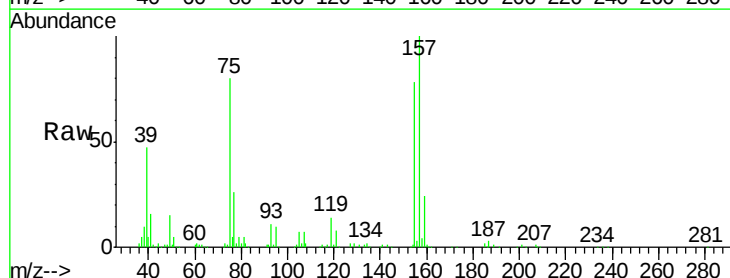
Manual Integrations
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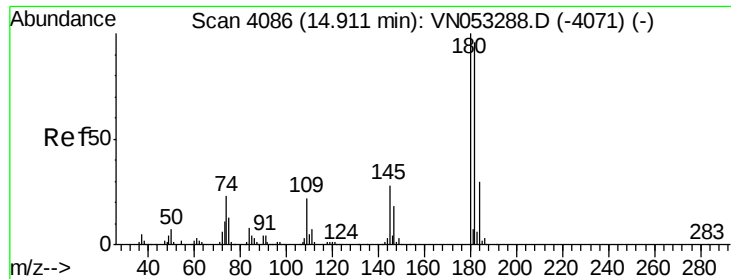
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.931 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	48.1	144.3
157	123.3	61.5	184.4





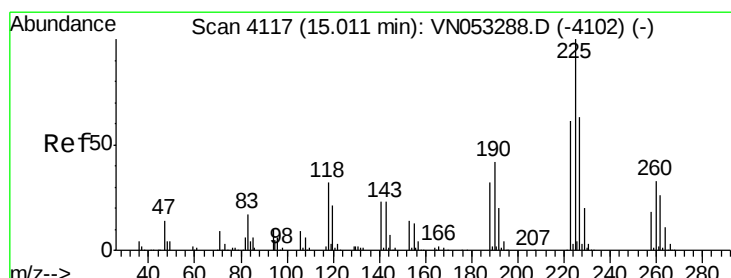
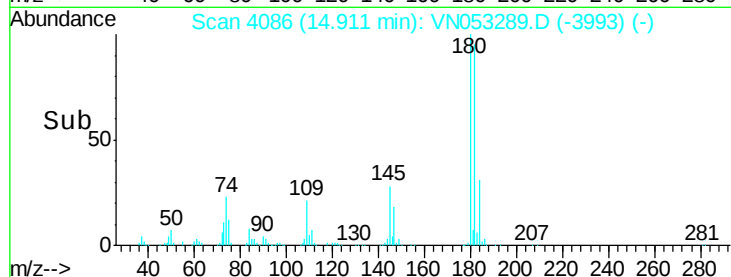
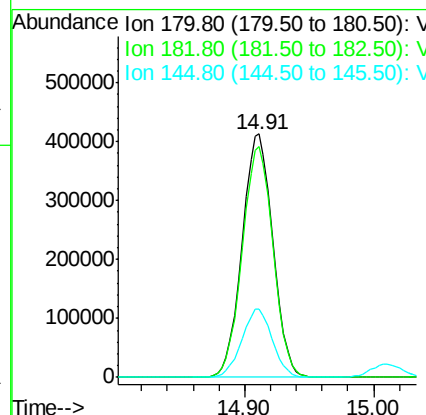
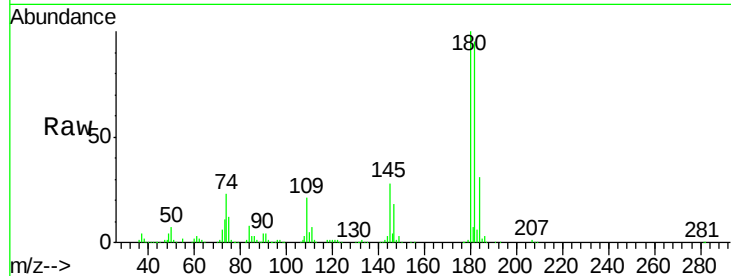
#93
 1,2,4-Trichlorobenzene
 Concen: 98.606 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	682143		
182	95.3	47.8	143.4	
145	27.9	14.4	43.0	

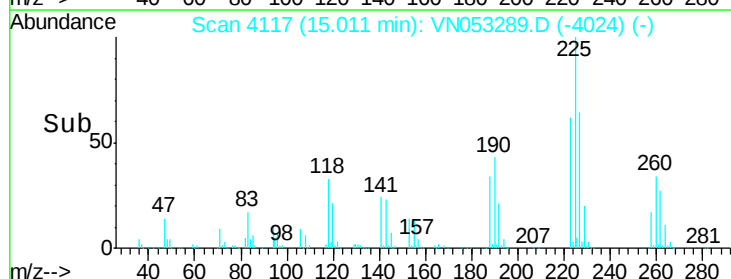
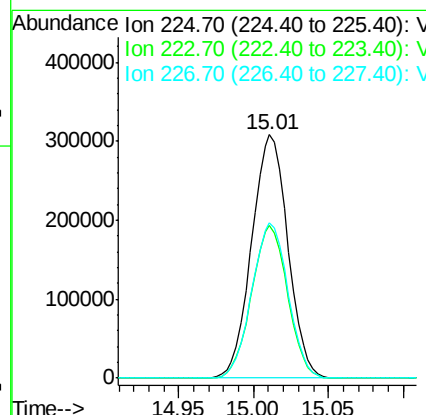
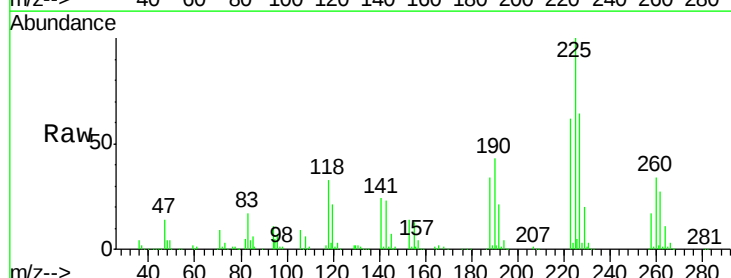
Manual Integrations
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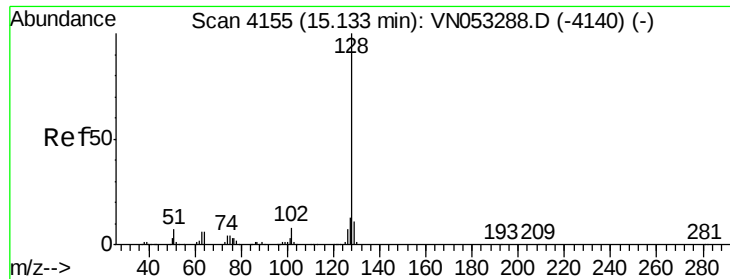
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#94
 Hexachlorobutadiene
 Concen: 94.647 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053289.D
 Acq: 4 Jan 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	519055		
223	62.3	30.9	92.8	
227	63.9	31.4	94.2	





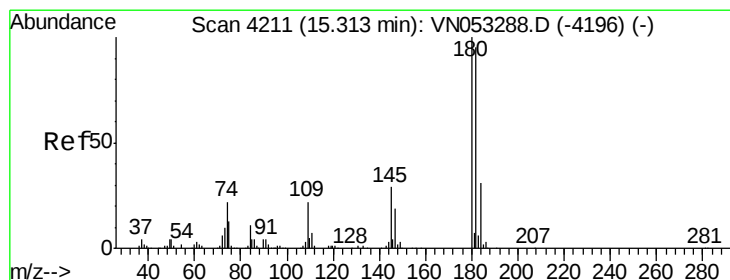
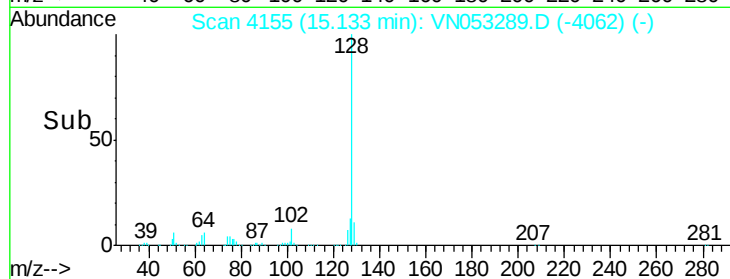
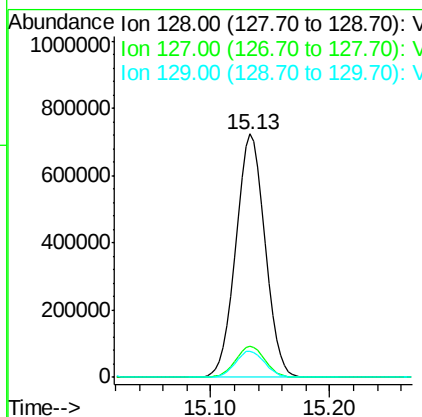
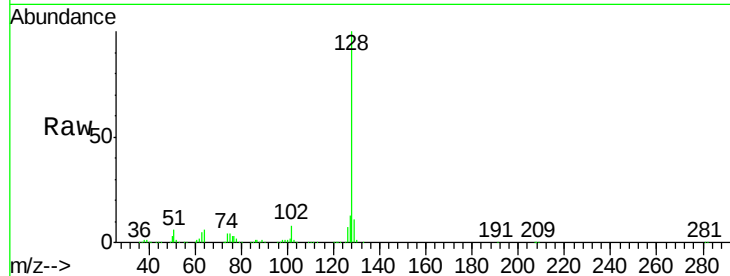
#95
Naphthalene
Concen: 102.376 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
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: 100.829 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053289.D
Acq: 4 Jan 2019 19:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.4	145.0
145	29.8	14.9	44.5

