

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053285.D
 Acq On : 4 Jan 2019 17:15
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:23:54 AM

Quant Time: Jan 07 09:34:59 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	869725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1364571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1178167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	510387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	7179	0.909	ug/l	98
3) Chloromethane	2.06	50	11309	1.081	ug/l	96
4) Vinyl Chloride	2.19	62	9926	0.971	ug/l	100
5) Bromomethane	2.57	94	7248	1.130	ug/l	97
6) Chloroethane	2.71	64	6882	1.159	ug/l	93
7) Trichlorofluoromethane	3.03	101	14145	1.097	ug/l	94
8) Diethyl Ether	3.41	74	5308	1.028	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.77	101	9029	1.113	ug/l #	87
12) 1,1-Dichloroethene	3.75	96	8452	1.053	ug/l	96
14) Allyl chloride	4.33	41	13676	1.089	ug/l	95
15) Acrylonitrile	4.99	53	15493	4.701	ug/l	96
16) Acetone	3.82	43	15475	7.034	ug/l	96
17) Carbon Disulfide	4.06	76	26496	1.083	ug/l	97
18) Methyl Acetate	4.33	43	10580	1.406	ug/l #	87
19) Methyl tert-butyl Ether	5.05	73	23479m	1.035	ug/l	
20) Methylene Chloride	4.56	84	11413m	1.236	ug/l	
21) trans-1,2-Dichloroethene	5.05	96	8862	1.029	ug/l	93
22) Diisopropyl ether	5.95	45	28674	1.019	ug/l	93
23) Vinyl Acetate	5.90	43	83948	4.640	ug/l	99
24) 1,1-Dichloroethane	5.85	63	16513	1.026	ug/l	96
25) 2-Butanone	6.84	43	19829	5.363	ug/l	90
26) 2,2-Dichloropropane	6.83	77	12440	1.070	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	9812	0.987	ug/l	88
28) Bromochloromethane	7.19	49	6185	0.865	ug/l #	94
29) Tetrahydrofuran	7.21	42	12961	5.259	ug/l	96
30) Chloroform	7.38	83	16738	1.062	ug/l	95
31) Cyclohexane	7.66	56	28462	1.876	ug/l #	19
32) 1,1,1-Trichloroethane	7.57	97	13667	1.037	ug/l #	51
36) 1,1-Dichloropropene	7.79	75	12795	1.013	ug/l	97
37) Ethyl Acetate	6.93	43	7801	0.929	ug/l #	96
38) Carbon Tetrachloride	7.77	117	11177	0.947	ug/l	98
39) Methylcyclohexane	9.08	83	14088	0.955	ug/l	98
40) Benzene	8.04	78	38669	0.996	ug/l	96
41) Methacrylonitrile	7.19	41	5052m	1.055	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	8.13	62	11622	1.019	ug/l	97
43) Isopropyl Acetate	8.18	43	20629	1.359	ug/l #	78
44) Trichloroethene	8.84	130	11091	1.048	ug/l	98
45) 1,2-Dichloropropane	9.12	63	10030	0.985	ug/l	96
46) Dibromomethane	9.21	93	5809	0.968	ug/l	99
47) Bromodichloromethane	9.41	83	12341	0.997	ug/l	96
48) Methyl methacrylate	9.20	41	6997	0.921	ug/l	98
49) 1,4-Dioxane	9.19	88	1459	16.578	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	38625	4.578	ug/l	98
52) Toluene	10.16	92	22914	0.945	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	11628	0.893	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	13470	0.896	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	9038	1.038	ug/l	97
56) Ethyl methacrylate	10.43	69	9871	0.826	ug/l	92
57) 1,3-Dichloropropane	10.71	76	13852	0.941	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	26565	4.162	ug/l	96
59) 2-Hexanone	10.75	43	25653	4.388	ug/l	98
60) Dibromochloromethane	10.90	129	8632	0.887	ug/l	91
61) 1,2-Dibromoethane	11.01	107	8216	0.932	ug/l	97
64) Tetrachloroethene	10.63	164	11661	1.042	ug/l	96
65) Chlorobenzene	11.43	112	26462	1.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	8911	0.987	ug/l #	65
67) Ethyl Benzene	11.51	91	42472	0.959	ug/l	98
68) m/p-Xylenes	11.62	106	30198	1.789	ug/l	95
69) o-Xylene	11.95	106	15367	0.940	ug/l	98
70) Styrene	11.96	104	23533	0.868	ug/l	99
71) Bromoform	12.12	173	5684	0.871	ug/l #	100
73) Isopropylbenzene	12.25	105	37431	0.968	ug/l	97
74) N-amyl acetate	12.07	43	10531	0.892	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	9543	1.115	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	8532m	1.177	ug/l	
77) Bromobenzene	12.53	156	10183	1.007	ug/l	97
78) n-propylbenzene	12.59	91	41218	0.935	ug/l	99
79) 2-Chlorotoluene	12.68	91	25993	0.998	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	29029	0.932	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	2110	0.781	ug/l #	68
82) 4-Chlorotoluene	12.77	91	26412	0.989	ug/l	96
83) tert-Butylbenzene	12.99	119	27066	1.007	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	29515	0.930	ug/l	100
85) sec-Butylbenzene	13.17	105	33443	0.932	ug/l	96
86) p-Isopropyltoluene	13.29	119	27608	0.877	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	18621	1.052	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	18455m	1.056	ug/l	
89) n-Butylbenzene	13.62	91	24984	0.958	ug/l	97
90) Hexachloroethane	13.88	117	4498	0.896	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	17648	1.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1053	0.940	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	5129	0.922	ug/l	97
94) Hexachlorobutadiene	15.01	225	4540	1.030	ug/l	88
95) Naphthalene	15.13	128	8325	0.862	ug/l	98

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VSTDICC001

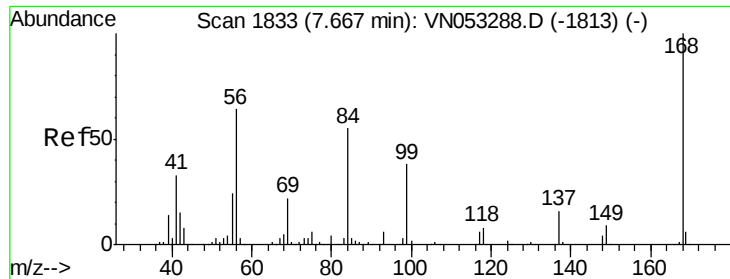
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	3564	0.996	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 869725

Ion Ratio Lower Upper

168 100

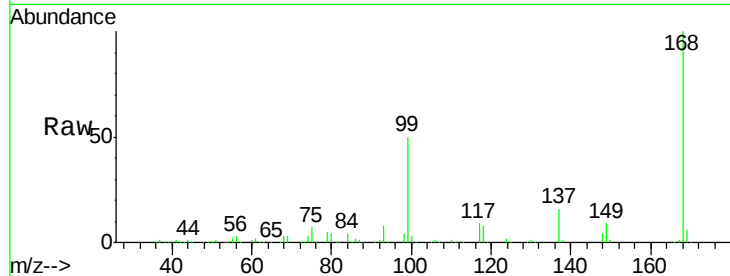
99 50.0 39.1 58.7

Manual Integrations

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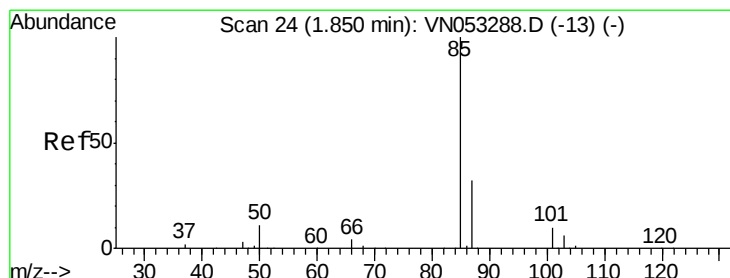
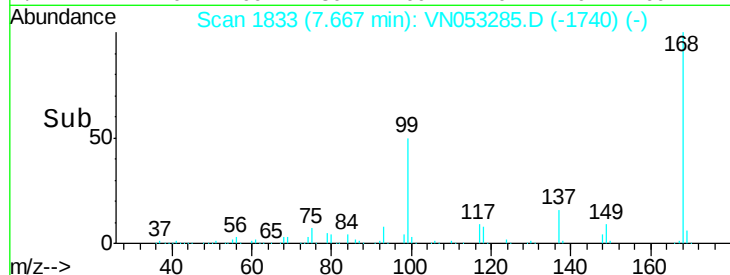
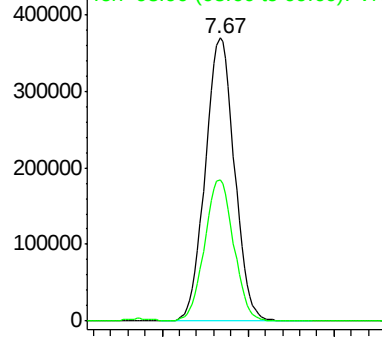
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.909 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053285.D

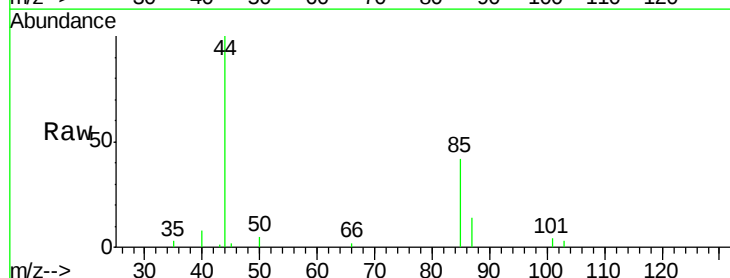
Acq: 4 Jan 2019 17:15

Tgt Ion: 85 Resp: 7179

Ion Ratio Lower Upper

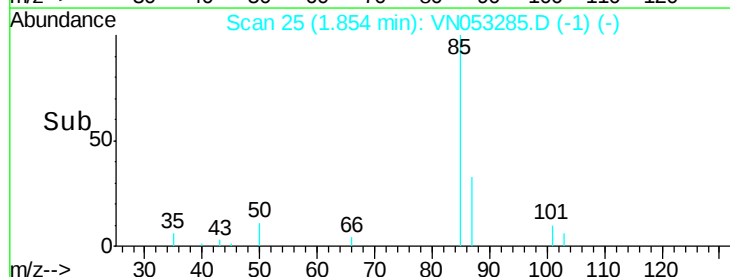
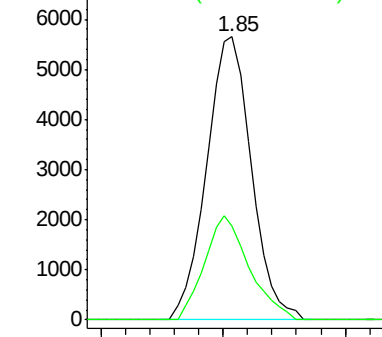
85 100

87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.081 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 11309

Ion Ratio Lower Upper

50 100

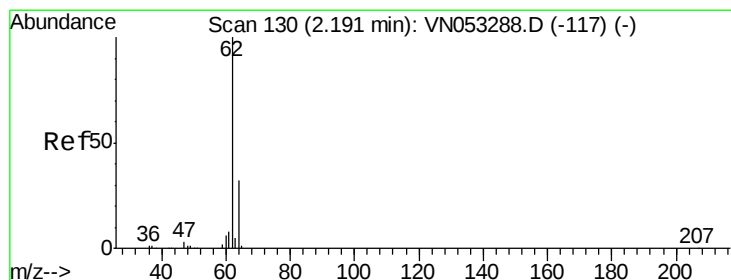
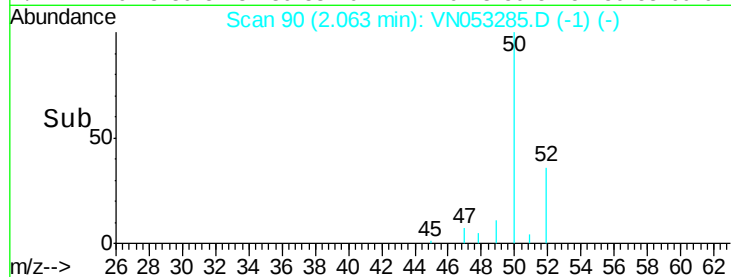
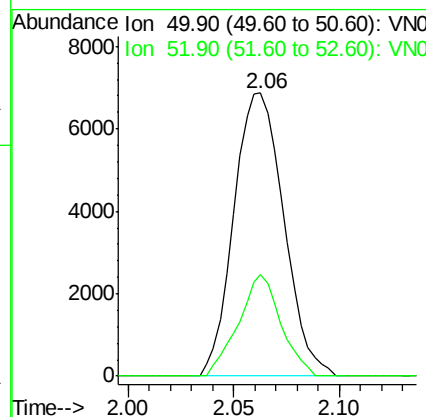
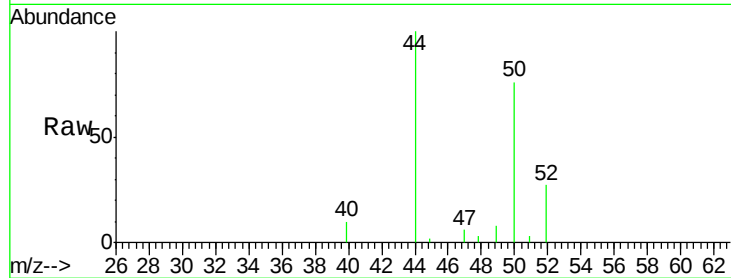
52 35.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.971 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053285.D

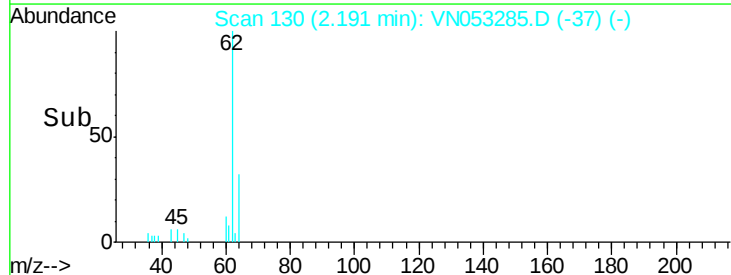
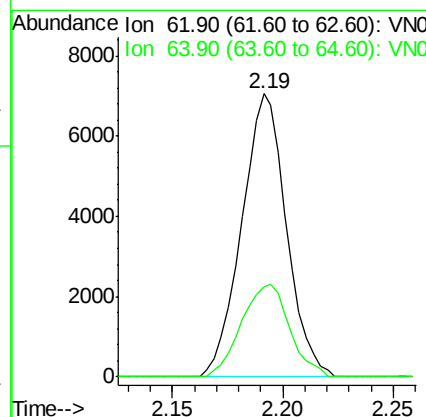
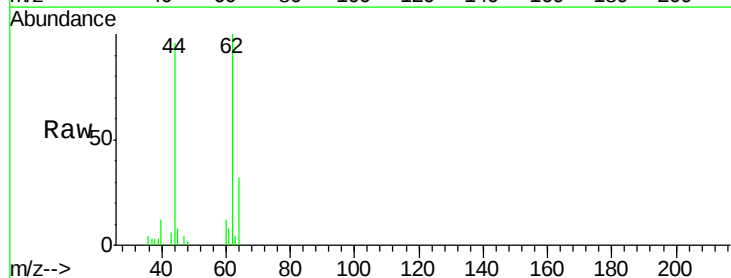
Acq: 4 Jan 2019 17:15

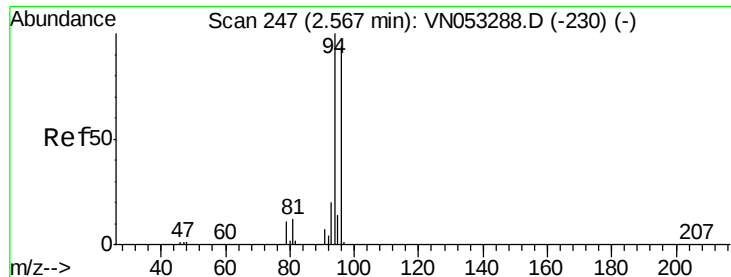
Tgt Ion: 62 Resp: 9926

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 1.130 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 94 Resp: 7248

Ion Ratio Lower Upper

94 100

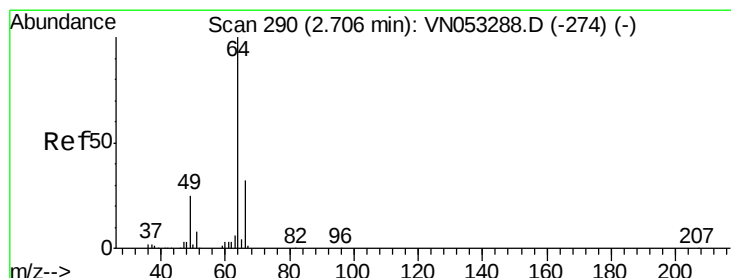
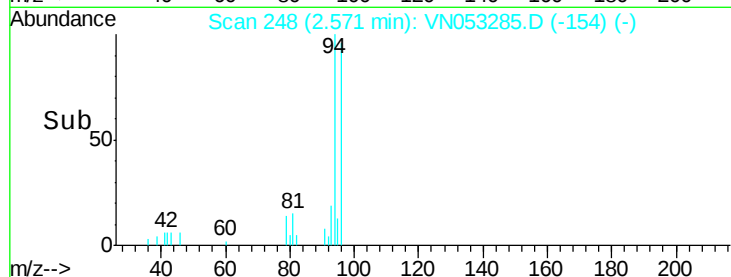
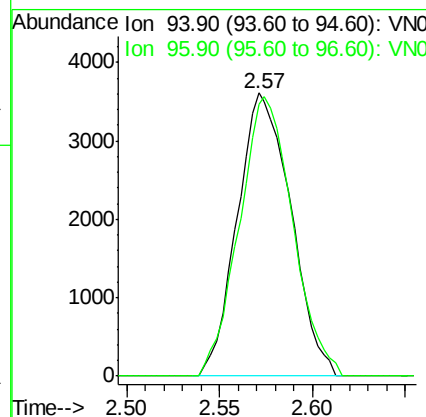
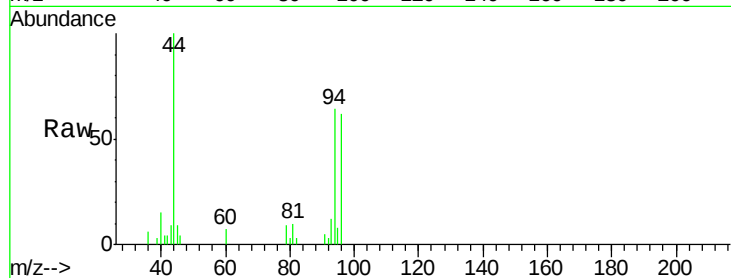
96 96.3 74.9 112.3

Manual Integrations

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1/8/2019 10:23:54 AM



#6

Chloroethane

Concen: 1.159 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053285.D

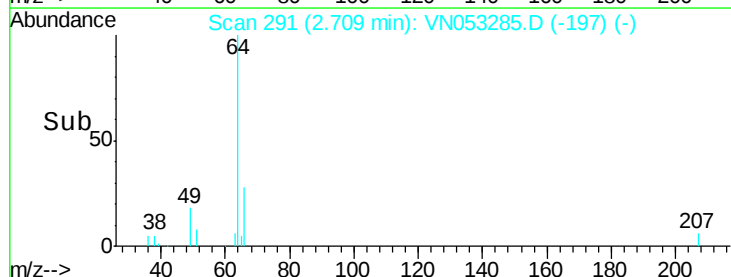
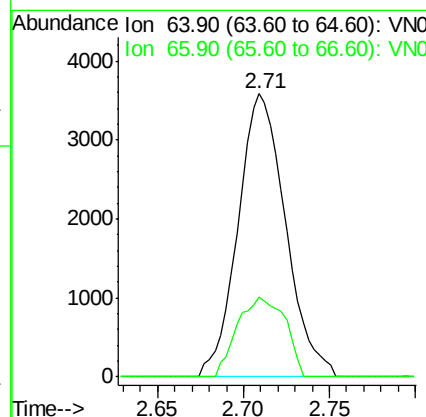
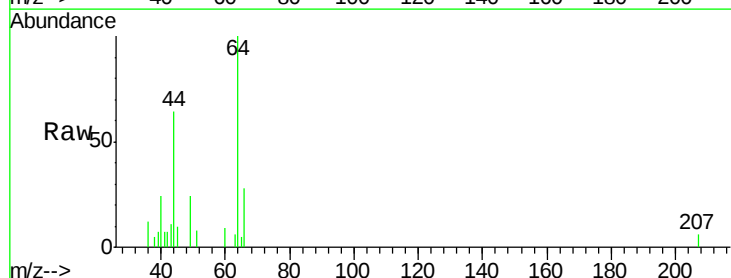
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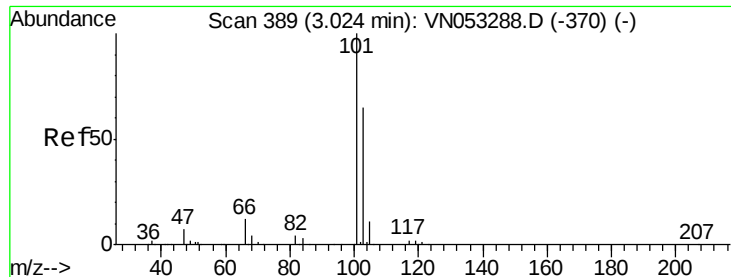
Tgt Ion: 64 Resp: 6882

Ion Ratio Lower Upper

64 100

66 28.0 25.6 38.4





#7

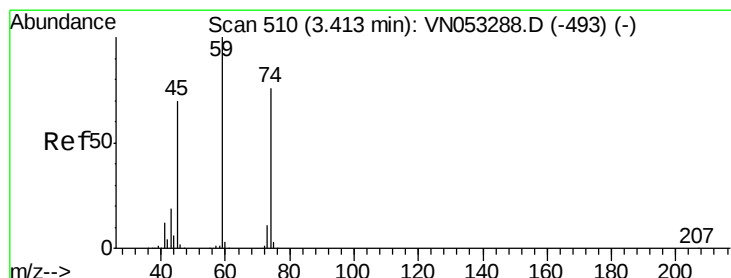
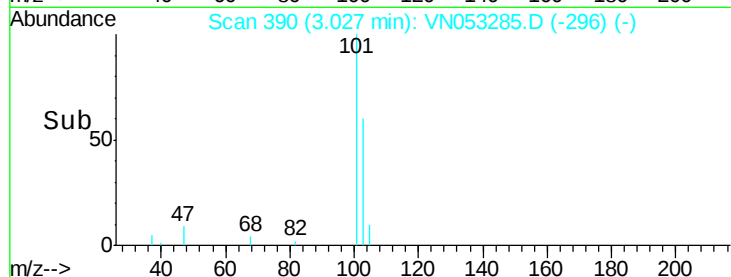
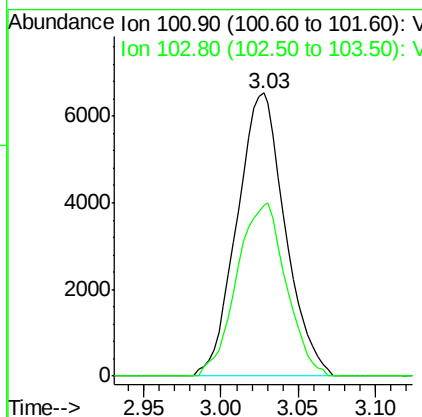
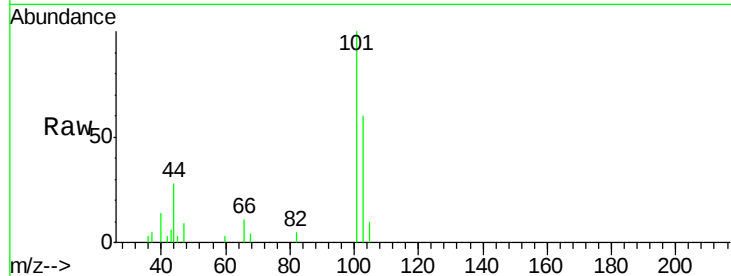
Trichlorofluoromethane
Concen: 1.097 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

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ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	52.1	78.1

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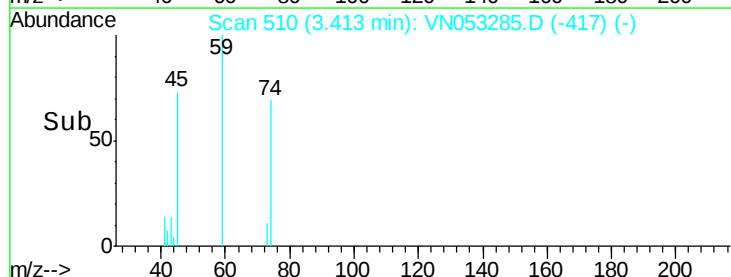
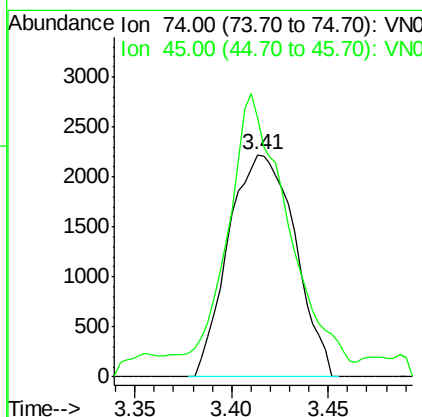
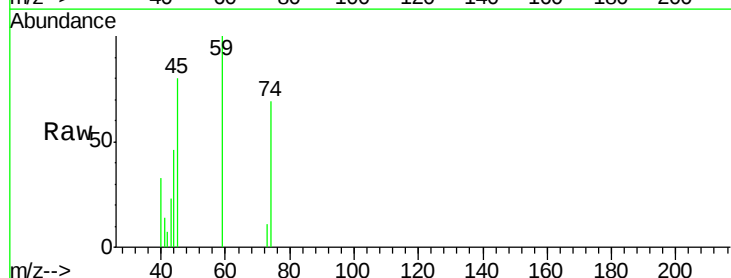
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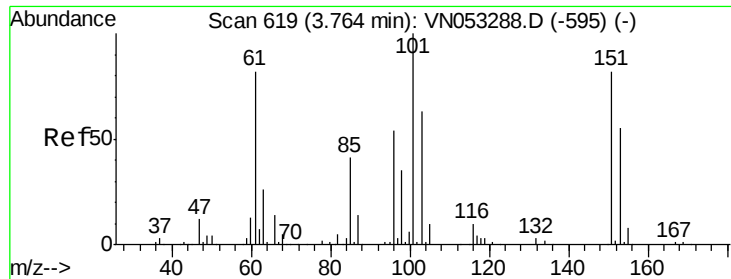


#8

Diethyl Ether
Concen: 1.028 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.113 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

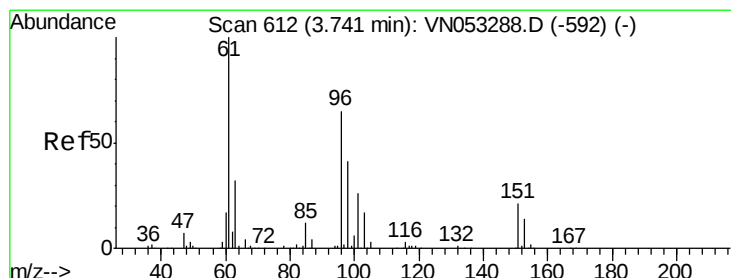
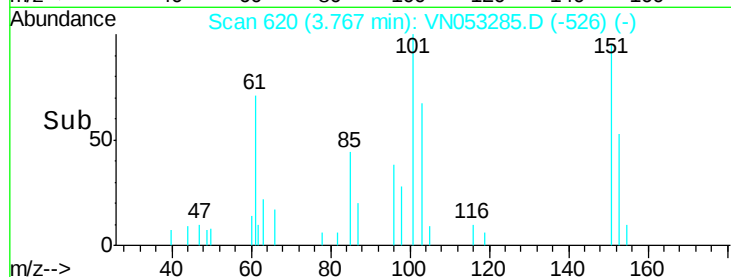
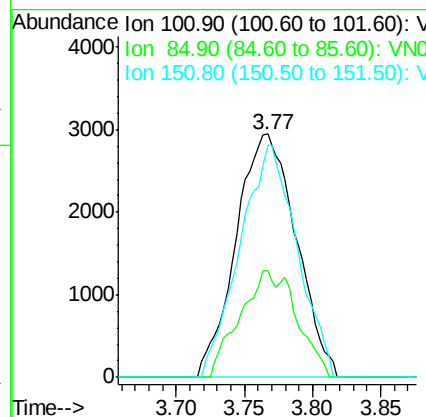
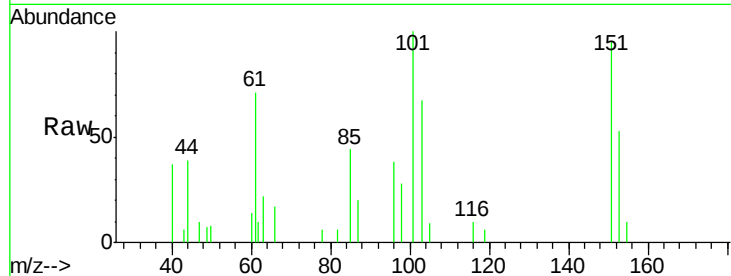
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	9029
Ion Ratio	Lower	Upper	
101	100		
85	26.1	33.3	49.9#
151	90.3	67.0	100.4

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#12

1,1-Dichloroethene

Concen: 1.053 ug/l

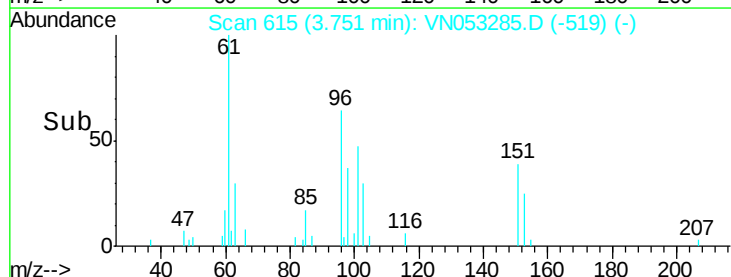
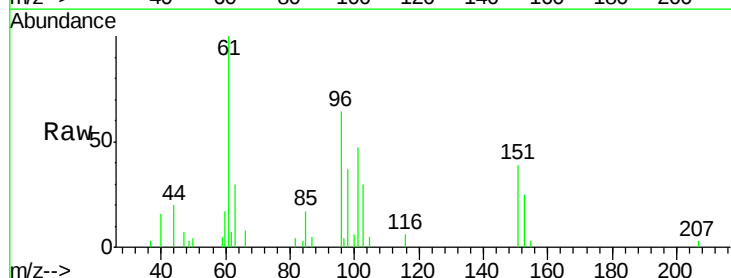
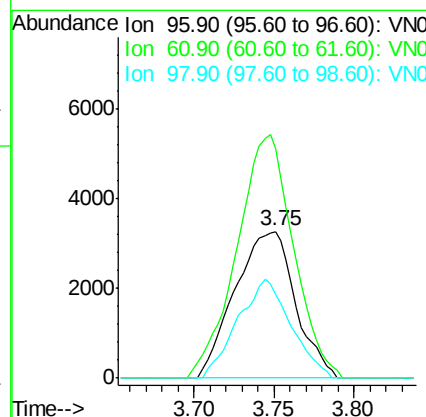
RT: 3.75 min Scan# 615

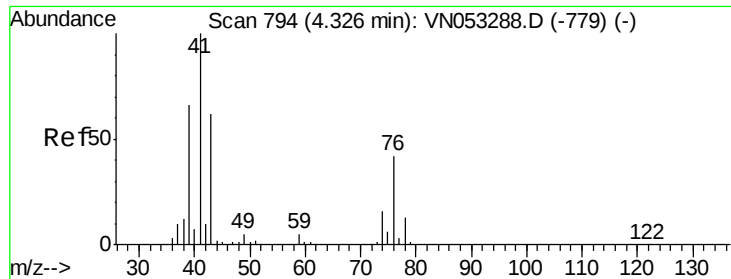
Delta R.T. 0.01 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Tgt Ion:	96	Resp:	8452
Ion Ratio	Lower	Upper	
96	100		
61	156.6	123.2	184.8
98	57.4	50.5	75.7





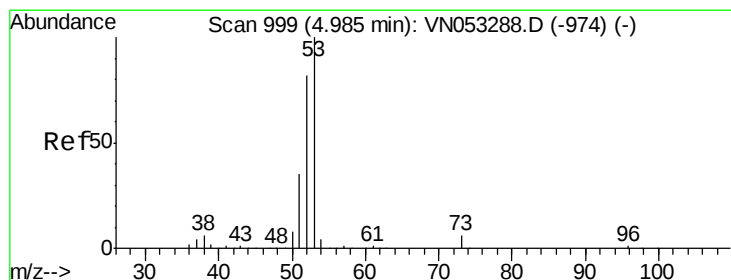
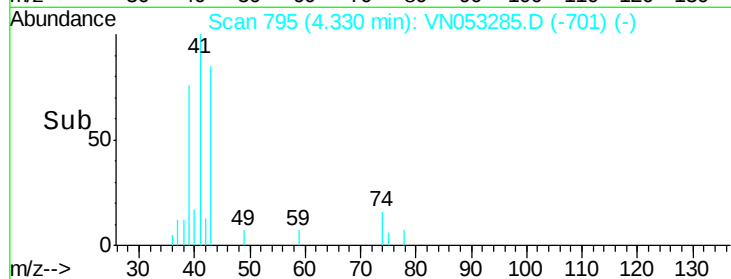
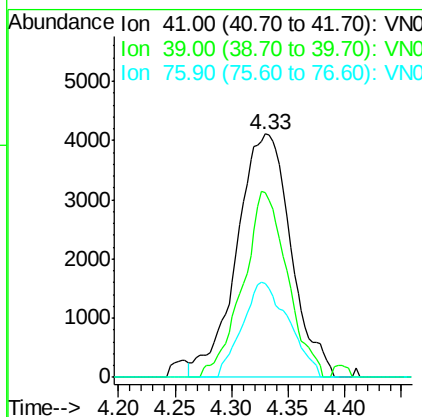
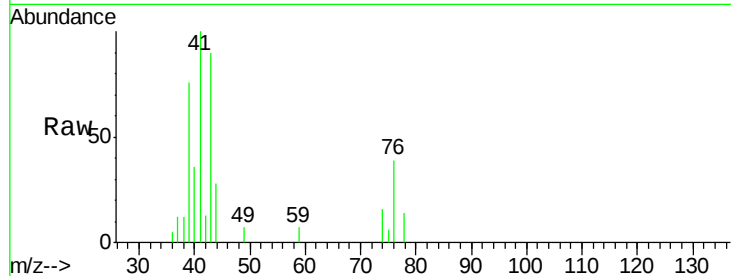
#14
Allvl chloride
Concen: 1.089 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.5	51.9	77.9
76	33.4	31.2	46.8

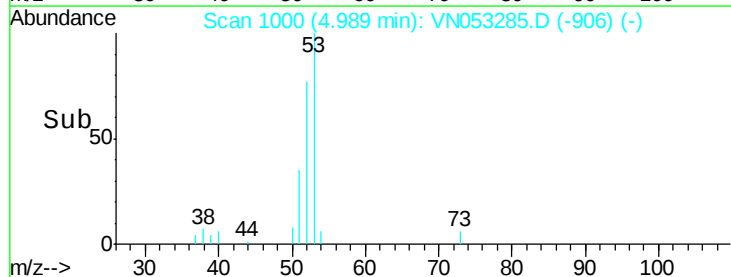
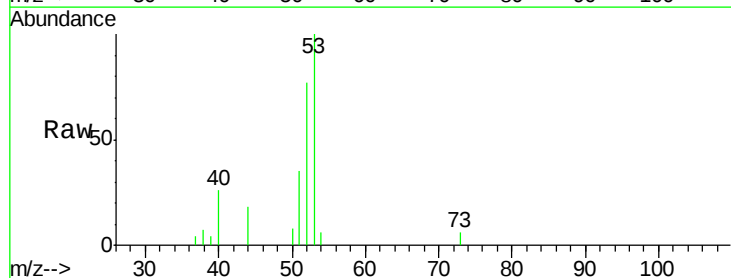
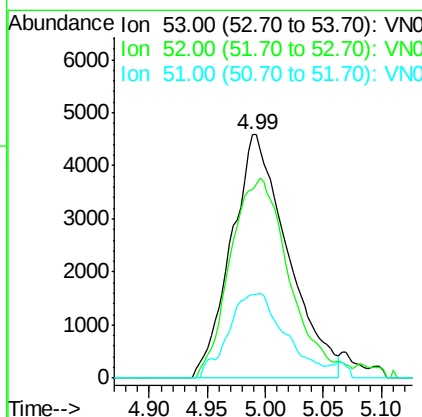
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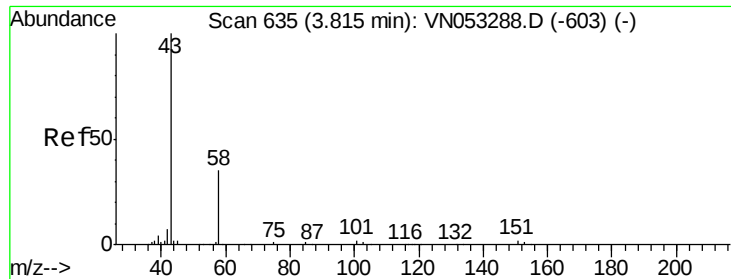
MMDadoda
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#15
Acrylonitrile
Concen: 4.701 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
53	100		
52	86.2	65.2	97.8
51	35.1	28.0	42.0





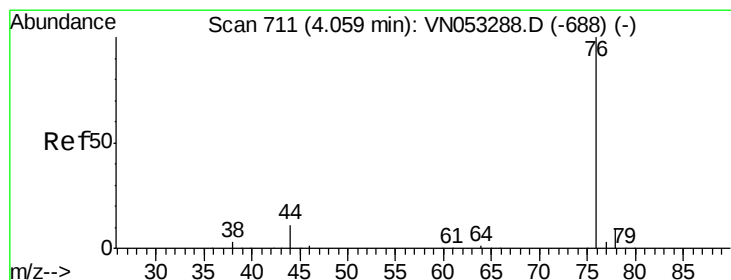
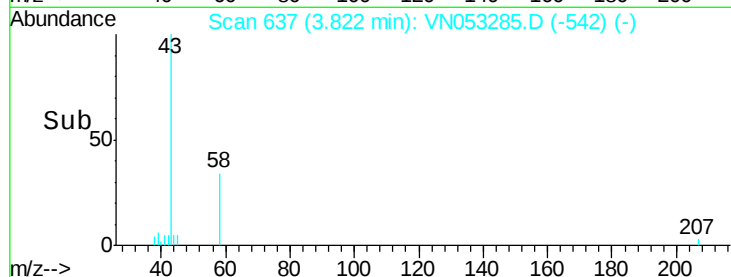
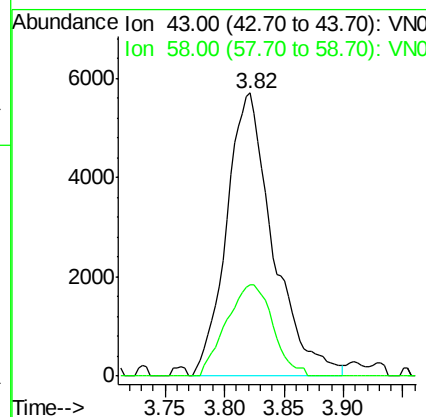
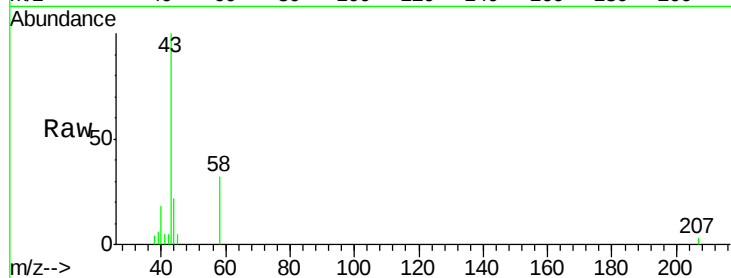
#16
Acetone
Concen: 7.034 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 15475
Ion Ratio Lower Upper
43 100
58 32.3 27.8 41.6

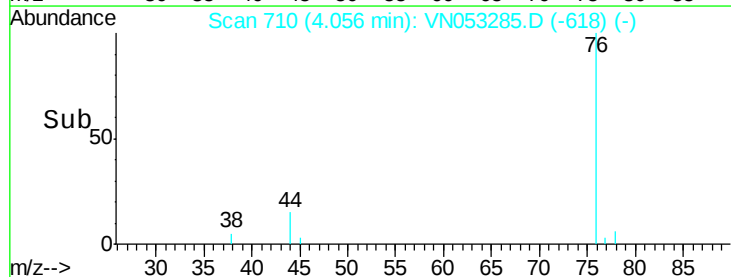
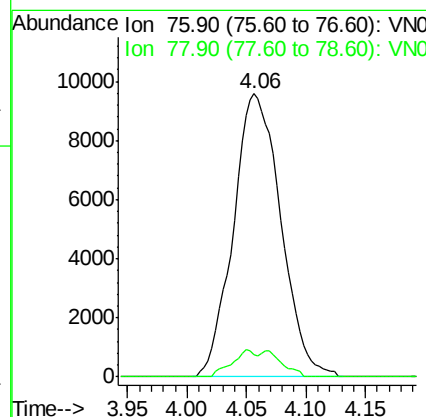
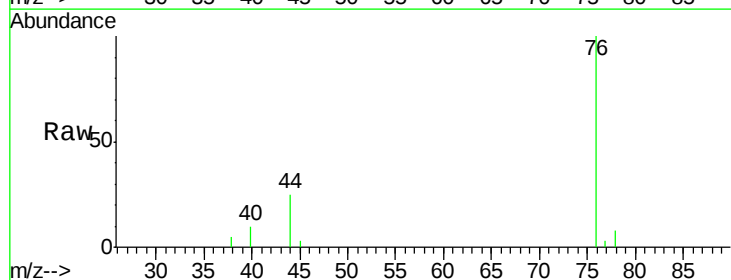
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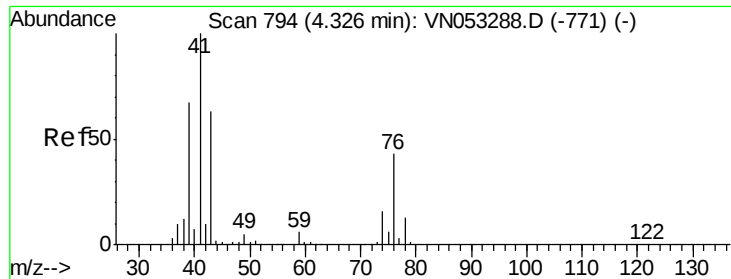
MMDadoda
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#17
Carbon Disulfide
Concen: 1.083 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion: 76 Resp: 26496
Ion Ratio Lower Upper
76 100
78 8.1 7.2 10.8





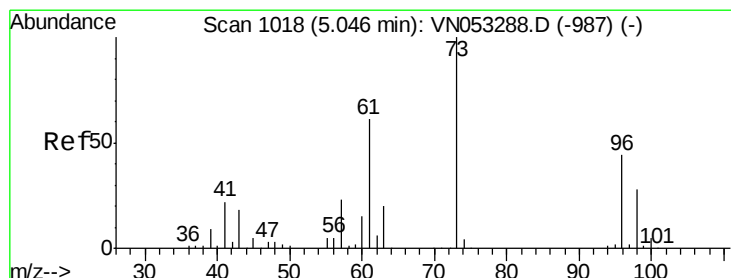
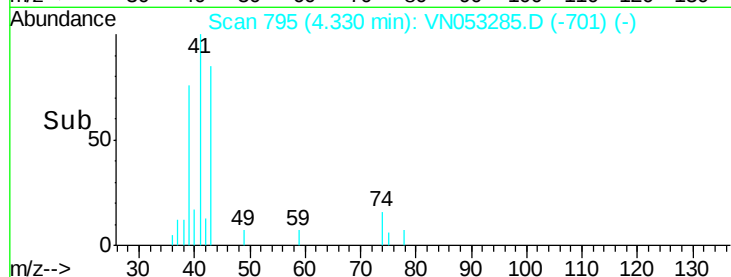
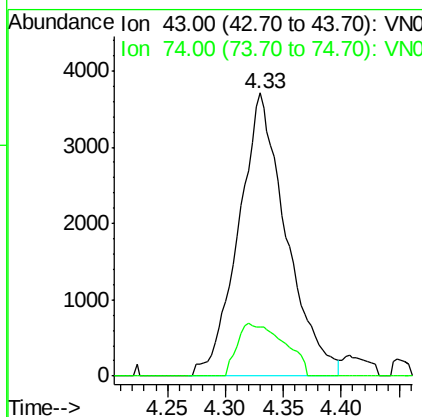
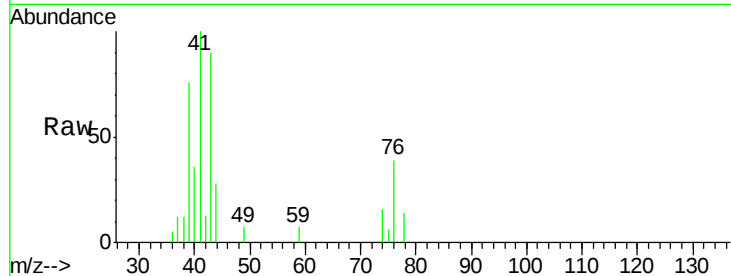
#18
Methyl Acetate
Concen: 1.406 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 10580
Ion Ratio Lower Upper
43 100
74 18.2 19.8 29.8#

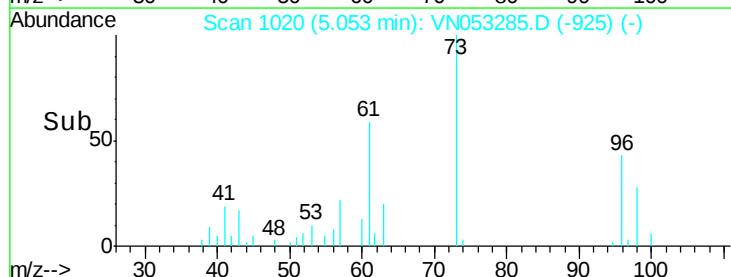
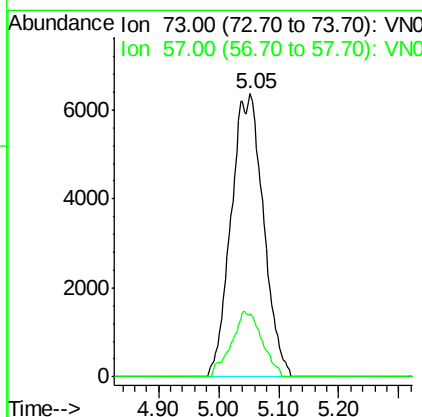
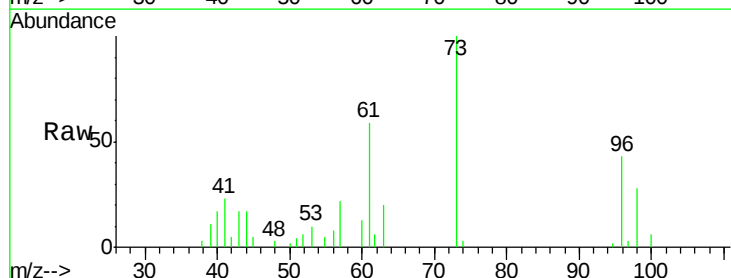
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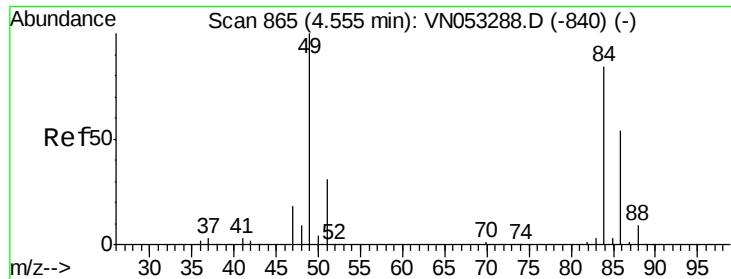
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#19
Methyl tert-butyl Ether
Concen: 1.035 ug/l m
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion: 73 Resp: 23479
Ion Ratio Lower Upper
73 100
57 22.1 18.5 27.7





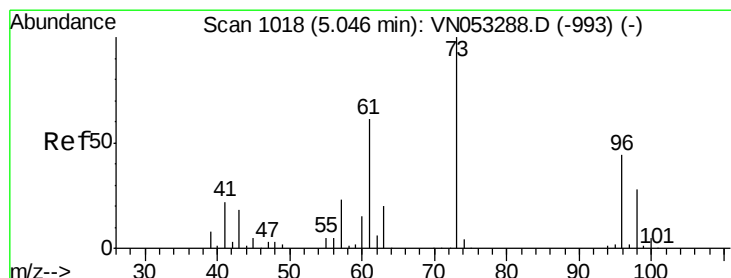
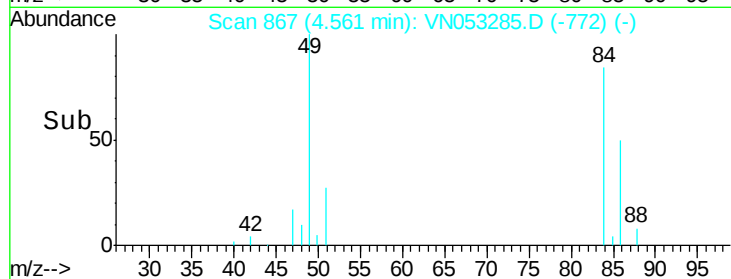
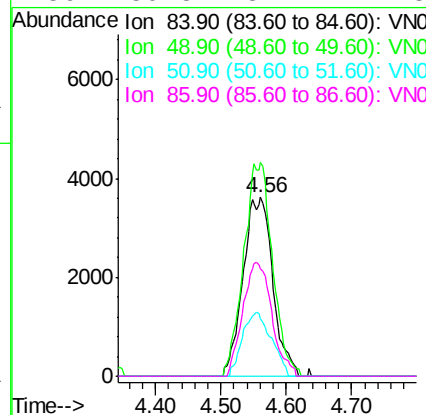
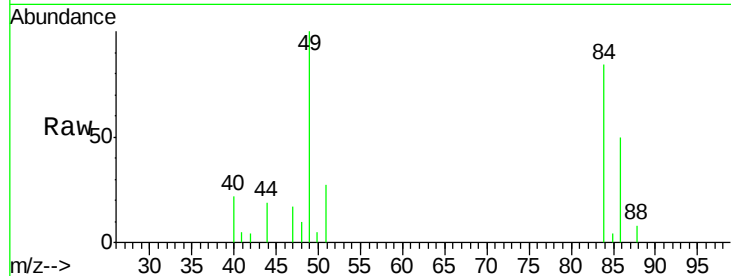
#20
Methylene Chloride
Concen: 1.236 ug/l m
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 84 Resp: 11413
Ion Ratio Lower Upper
84 100
49 119.2 95.3 142.9
51 32.0 29.0 43.6
86 59.8 51.7 77.5

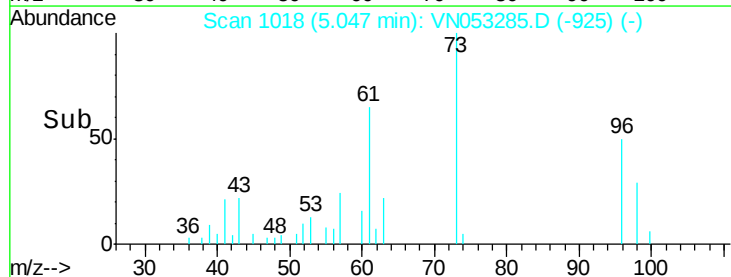
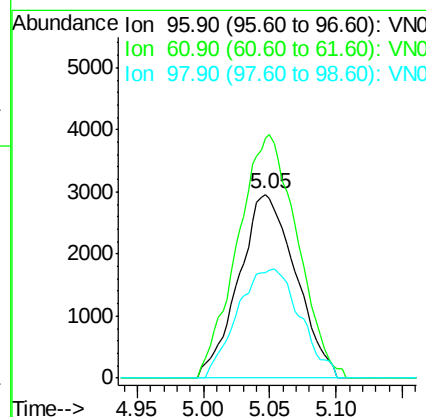
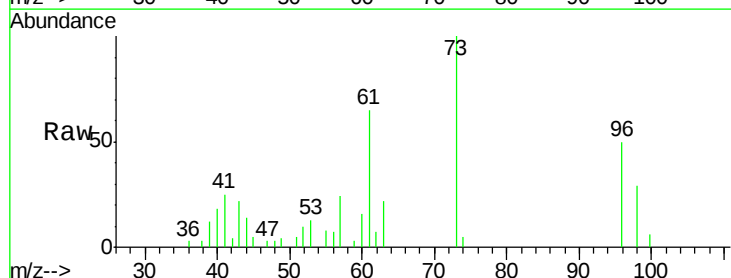
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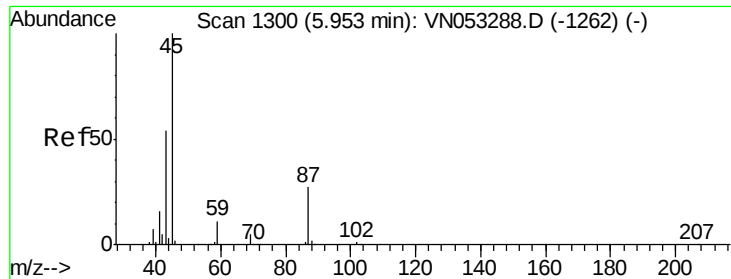
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#21
trans-1,2-Dichloroethene
Concen: 1.029 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion: 96 Resp: 8862
Ion Ratio Lower Upper
96 100
61 130.1 110.2 165.4
98 57.5 50.7 76.1





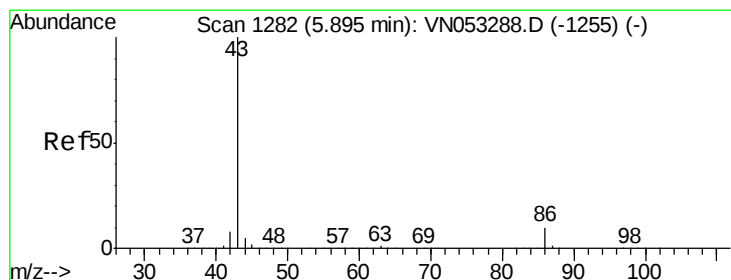
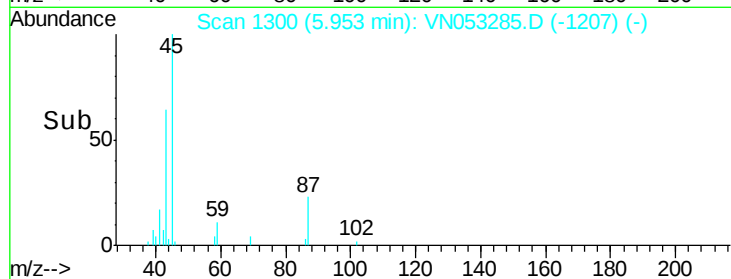
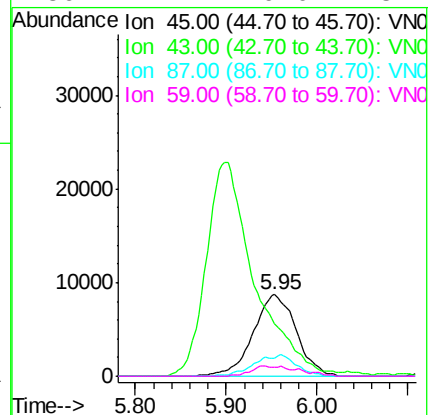
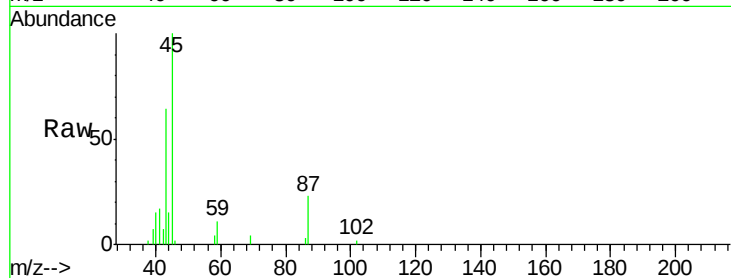
#22
Diisopropyl ether
Concen: 1.019 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	45	Resp:	28674
Ion	Ratio	Lower	Upper
45	100		
43	59.3	43.0	64.6
87	22.8	22.1	33.1
59	11.1	9.0	13.4

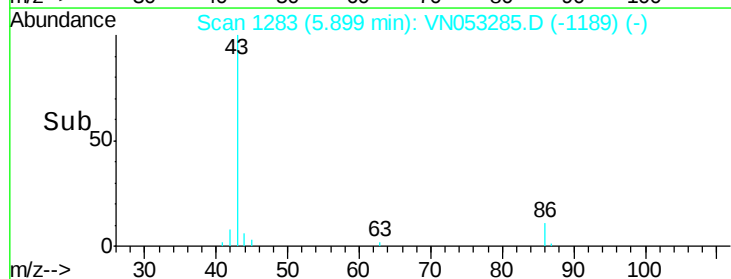
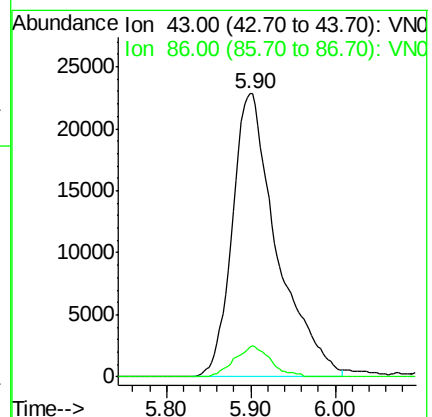
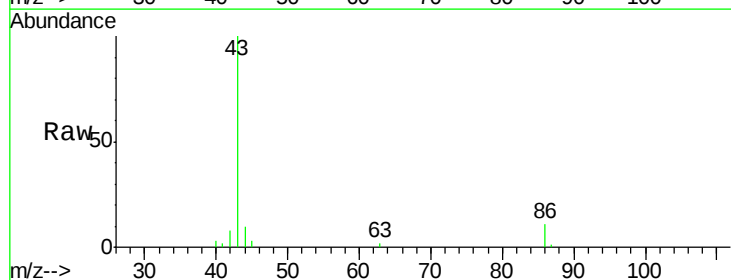
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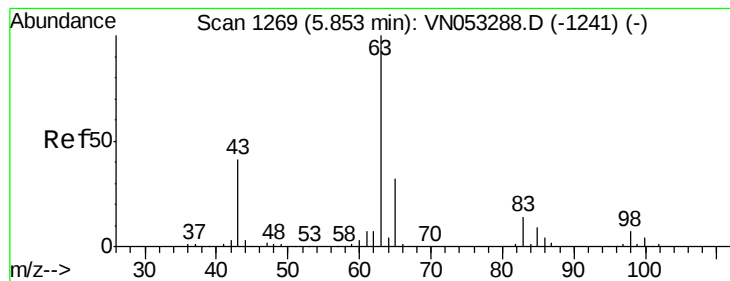
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#23
Vinyl Acetate
Concen: 4.640 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion:	43	Resp:	83948
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.4	12.6





#24

1,1-Dichloroethane

Concen: 1.026 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

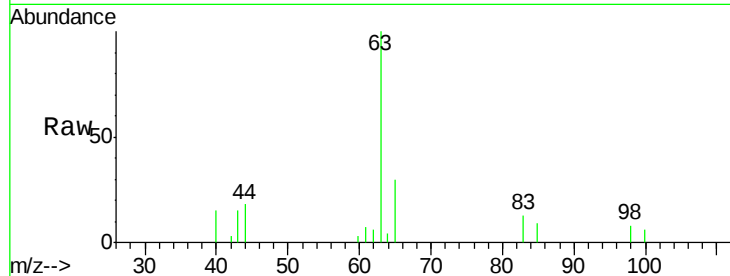
ClientSampleId :

VSTDIC001

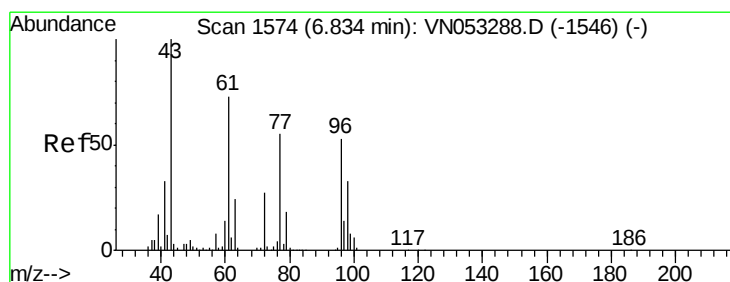
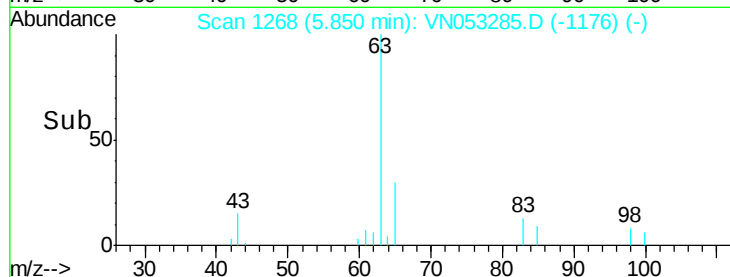
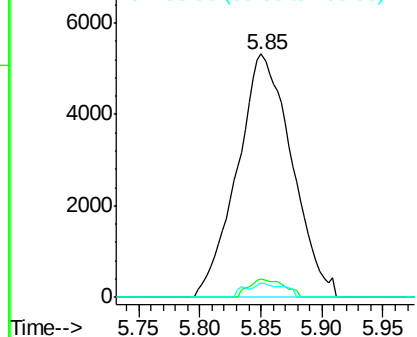
Tot Ion:	63	Resp:	16513
Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.3	9.8
100	5.7	2.1	6.5

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Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 5.363 ug/l

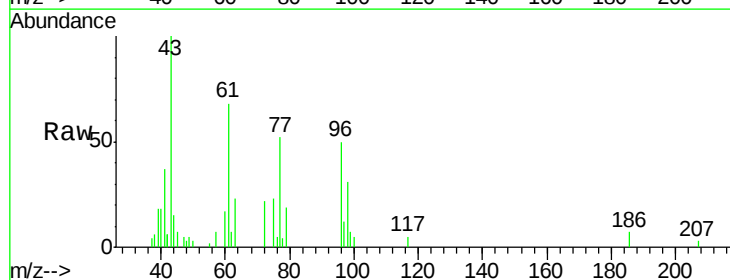
RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

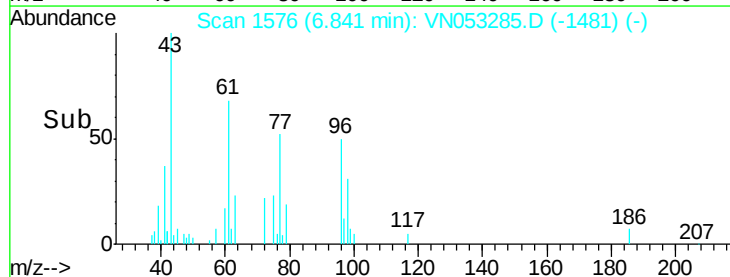
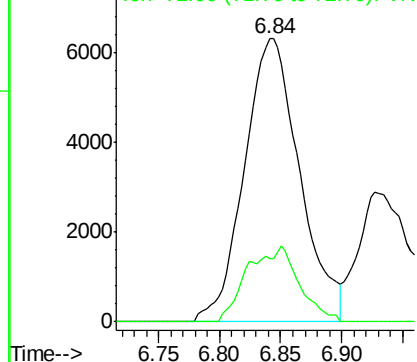
Lab File: VN053285.D

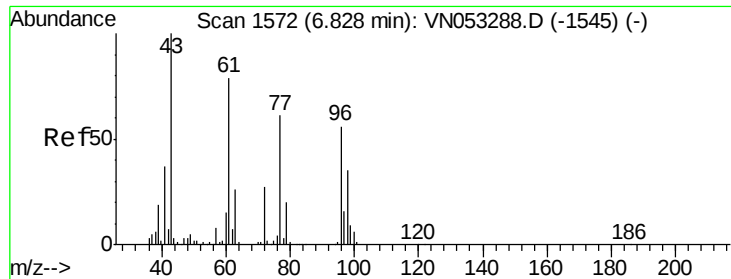
Acq: 4 Jan 2019 17:15

Tgt Ion:	43	Resp:	19829
Ion	Ratio	Lower	Upper
43	100		
72	22.4	22.0	33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#26

2,2-Dichloropropane

Concen: 1.070 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 77 Resp: 12440

Ion Ratio Lower Upper

77 100

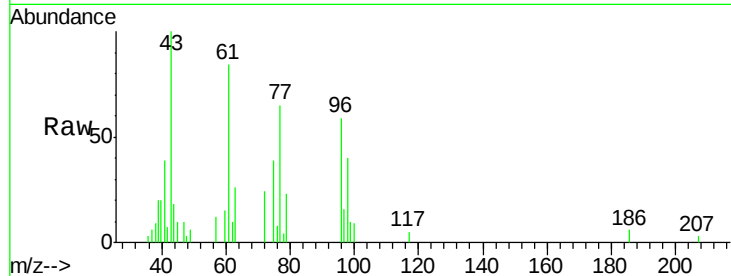
97 24.5 12.3 36.9

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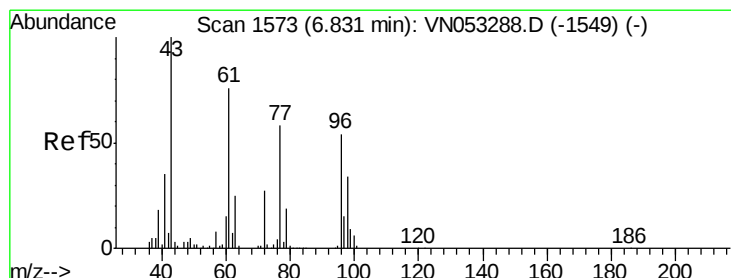
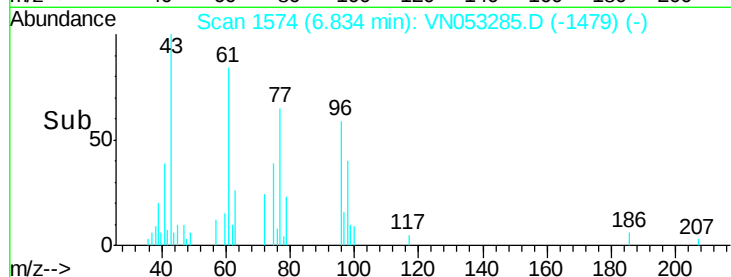
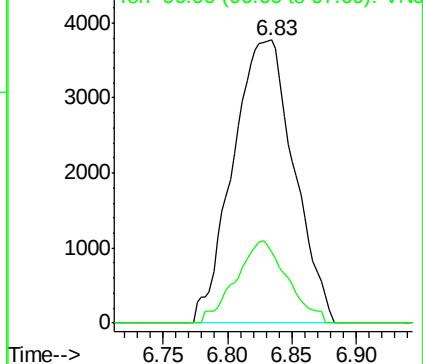
MMDadoda

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Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 0.987 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

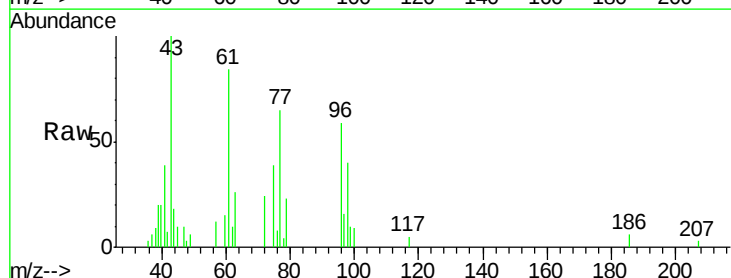
Tgt Ion: 96 Resp: 9812

Ion Ratio Lower Upper

96 100

61 159.1 0.0 280.6

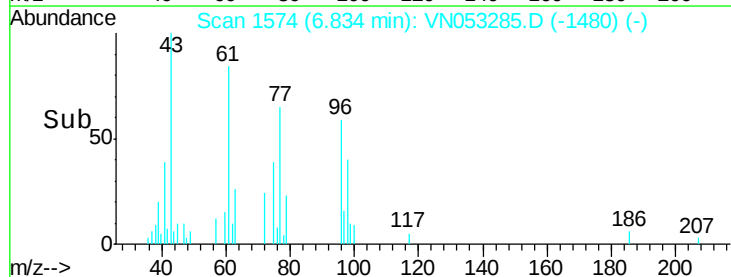
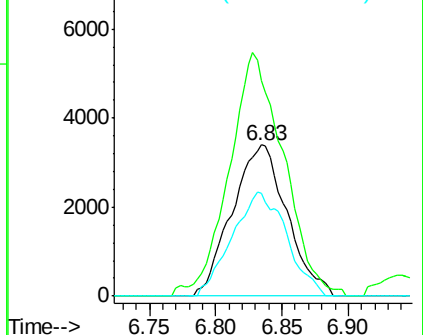
98 68.0 0.0 127.6

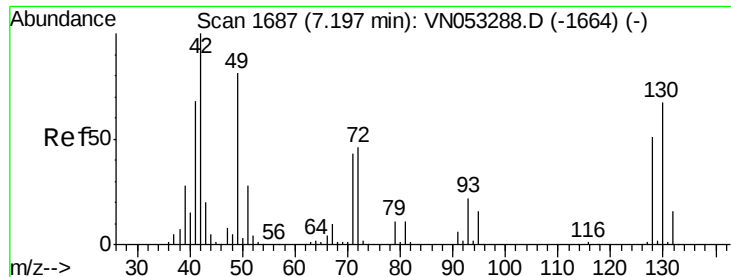


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





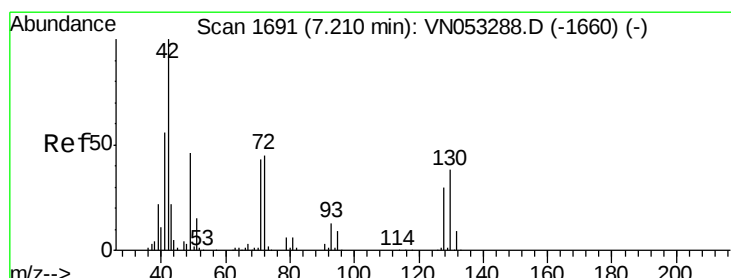
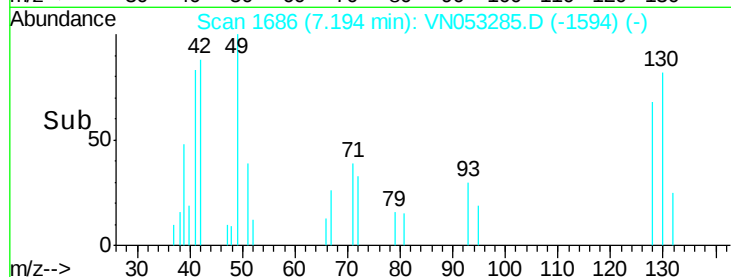
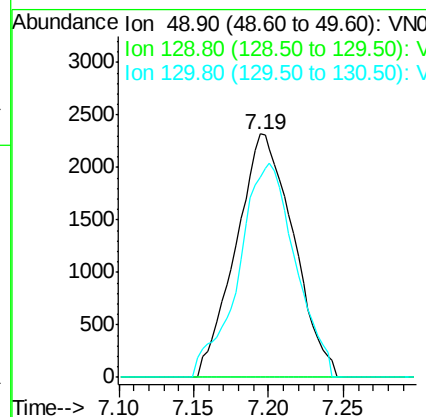
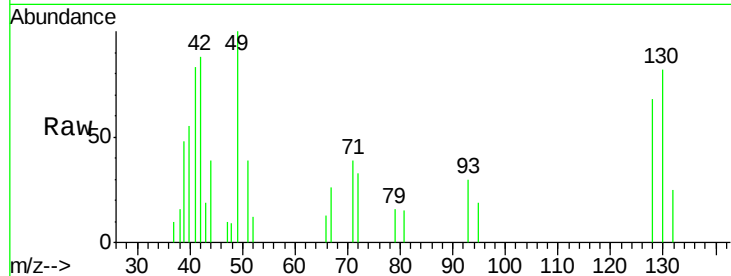
#28
Bromochloromethane
Concen: 0.865 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 49 Resp: 6185
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 86.8 65.4 98.0

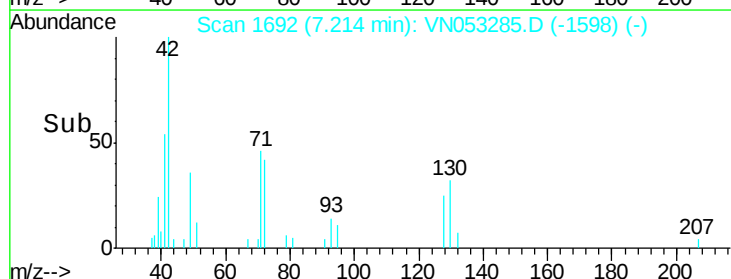
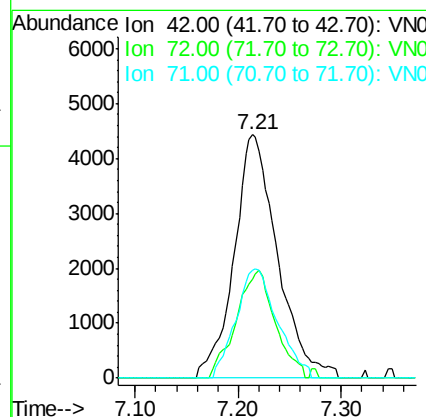
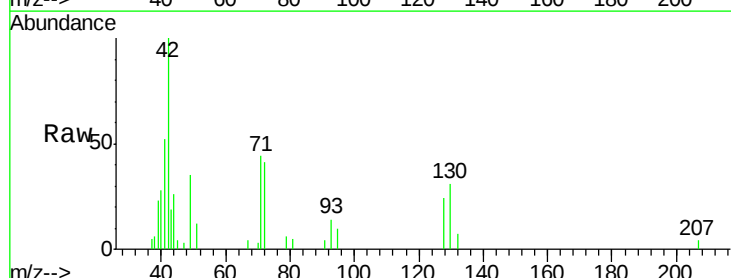
Manual Integrations
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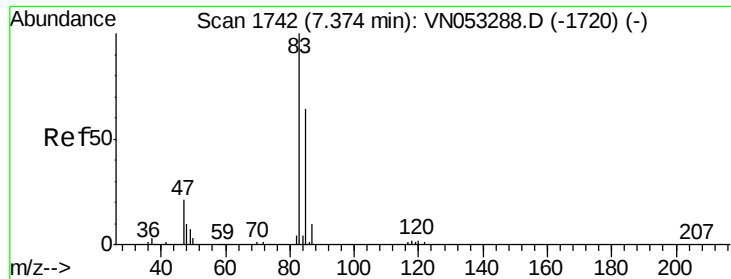
MMDadoda
1/8/2019 10:23:54 AM



#29
Tetrahydrofuran
Concen: 5.259 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion: 42 Resp: 12961
Ion Ratio Lower Upper
42 100
72 39.7 35.6 53.4
71 42.9 33.8 50.8





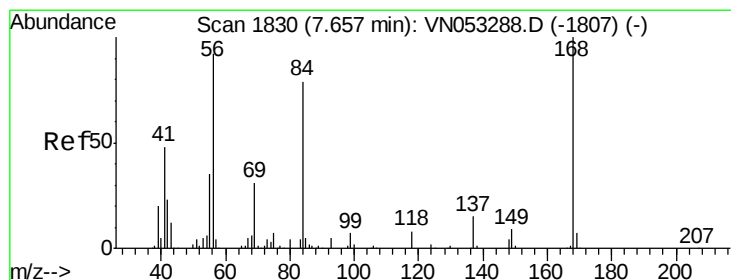
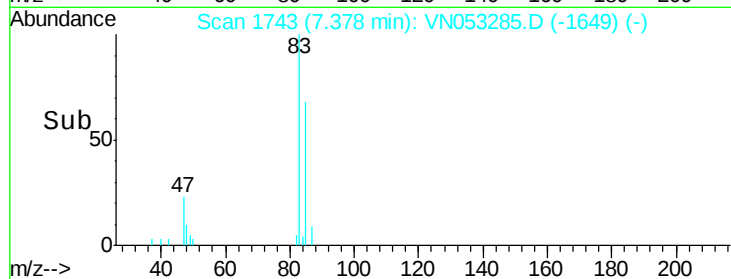
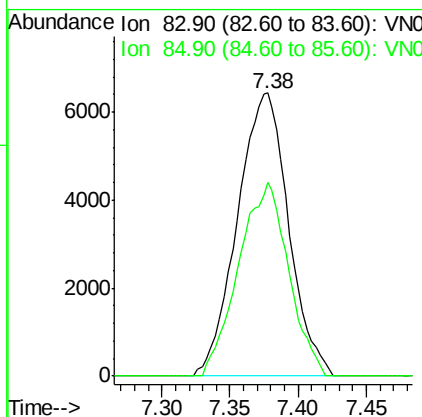
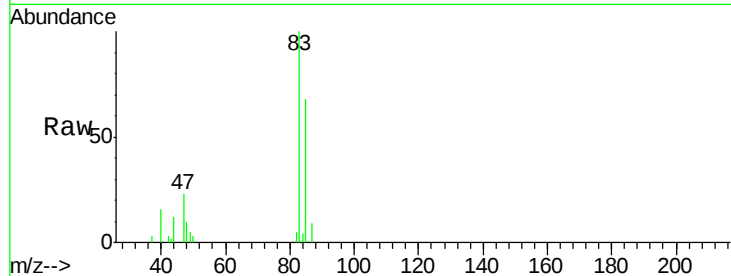
#30
Chloroform
Concen: 1.062 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	16738
Ion Ratio	Lower	Upper	
83	100		
85	68.4	51.3	76.9

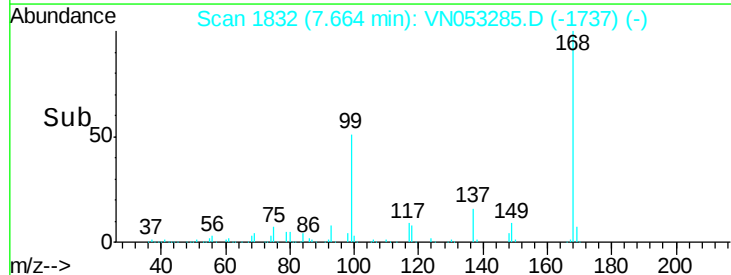
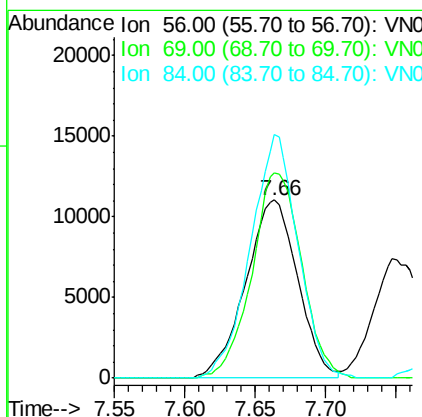
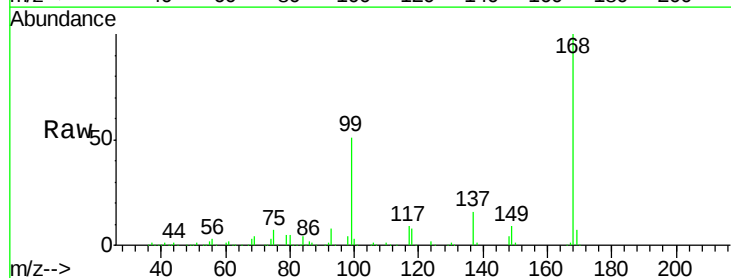
Manual Integrations
APPROVED

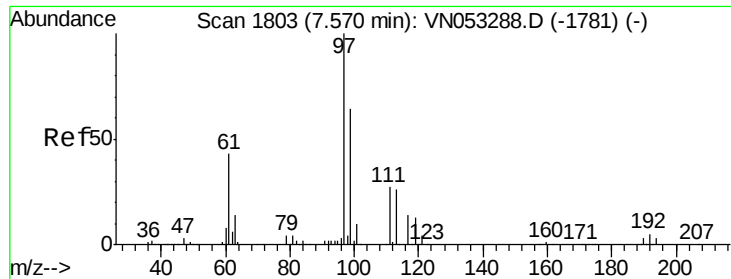
MMDadoda
1/8/2019 10:23:54 AM



#31
Cyclohexane
Concen: 1.876 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion	56	Resp	28462
Ion Ratio	Lower	Upper	
56	100		
69	115.2	26.7	40.1#
84	136.6	68.2	102.4#





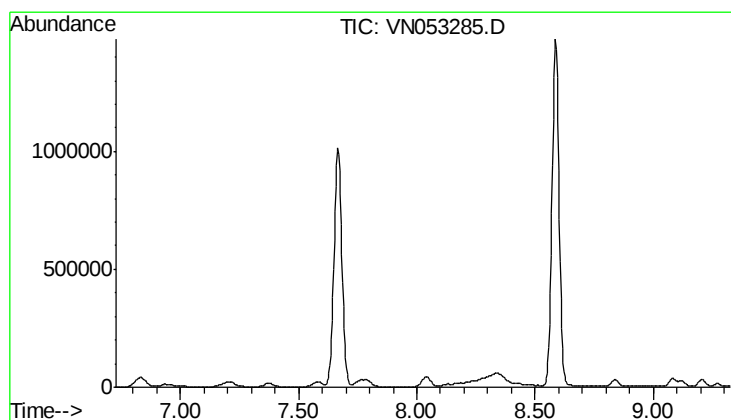
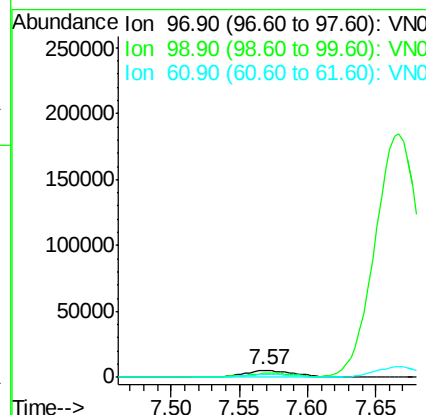
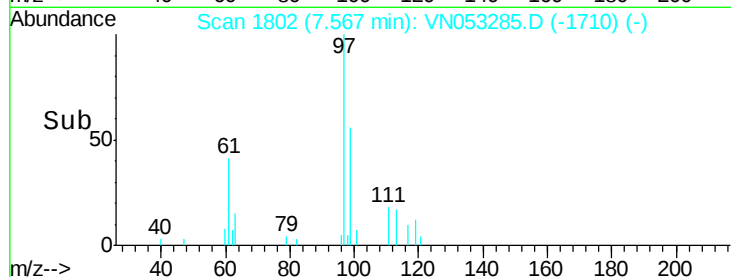
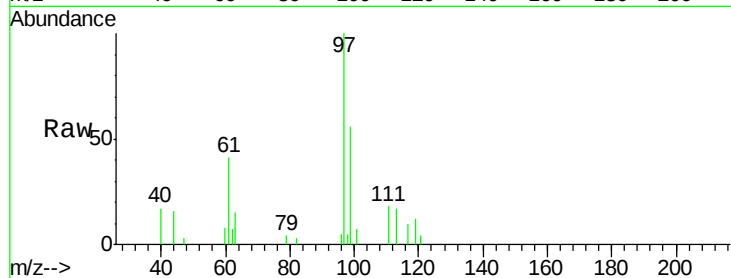
#32
 1,1,1-Trichloroethane
 Concen: 1.037 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.6	77.4#	
61	43.3	34.6	52.0	

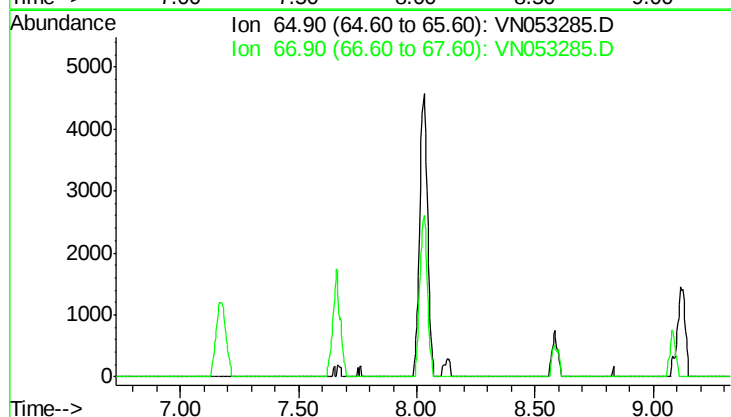
Manual Integrations
 APPROVED

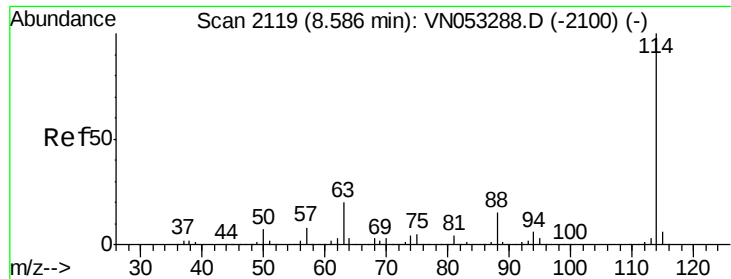
MMDadoda
 1/8/2019 10:23:54 AM



#33
 1,2-Dichloroethane-d4
 Concen: 1.037 ug/l
 Expected RT: 8.03 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Tgt Ion	Sig	Exp Ratio
65	100	
67	55.5	





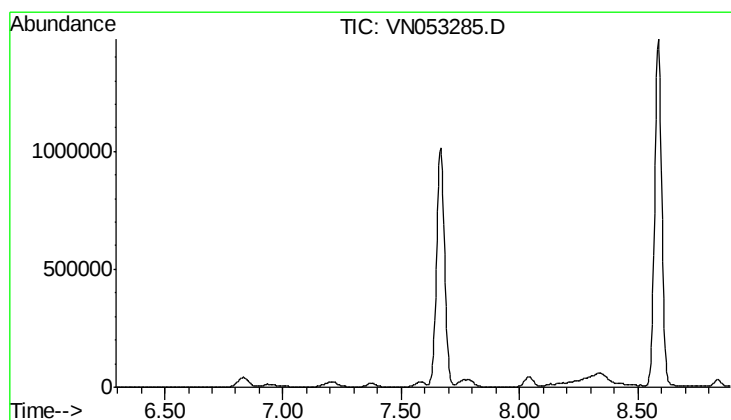
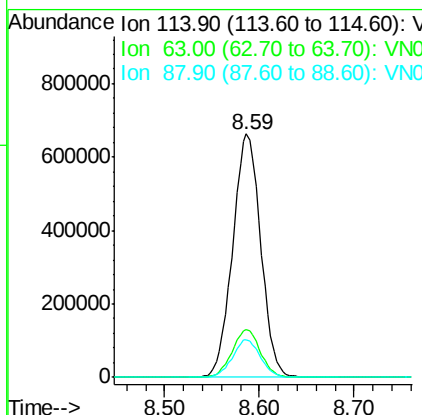
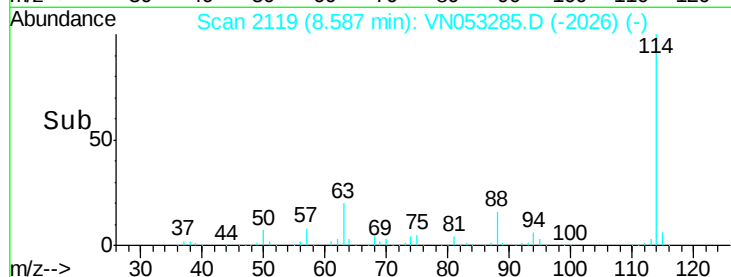
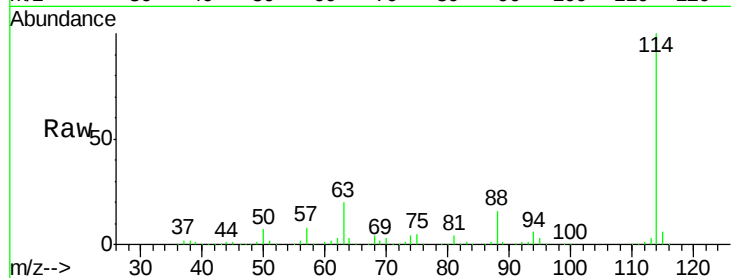
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.0
88	15.6	0.0	30.8

Manual Integrations
 APPROVED

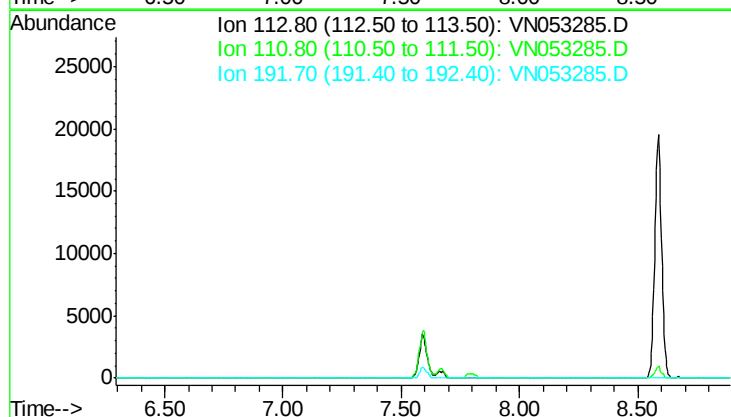
MMDadoda
 1/8/2019 10:23:54 AM

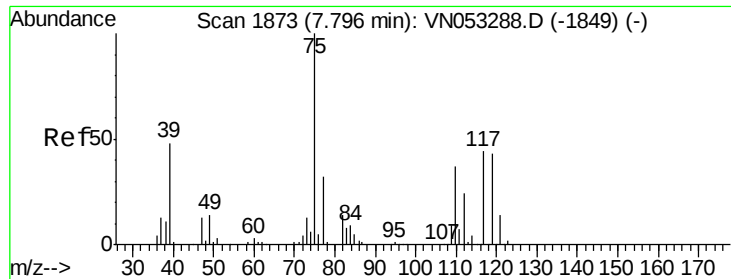


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 Expected RT: 7.59 min

Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Tgt Ion	Exp Ratio
113	100
111	101.8
192	22.4





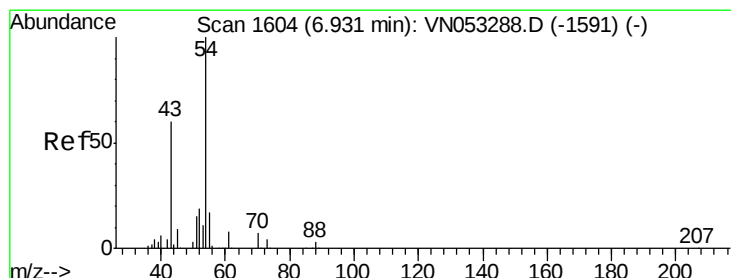
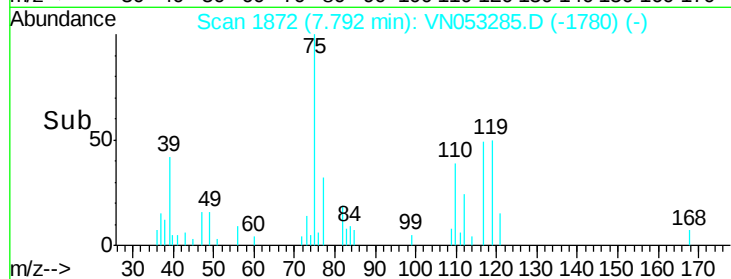
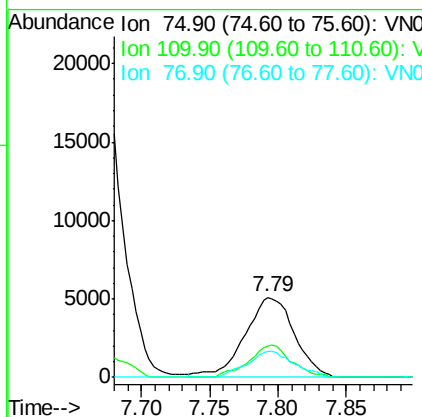
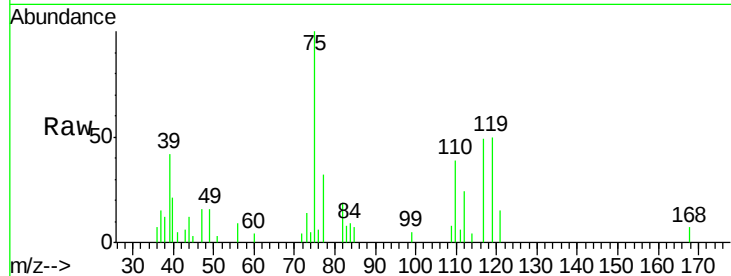
#36
 1,1-Dichloropropene
 Concen: 1.013 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.4	55.0
77	30.6	25.3	37.9

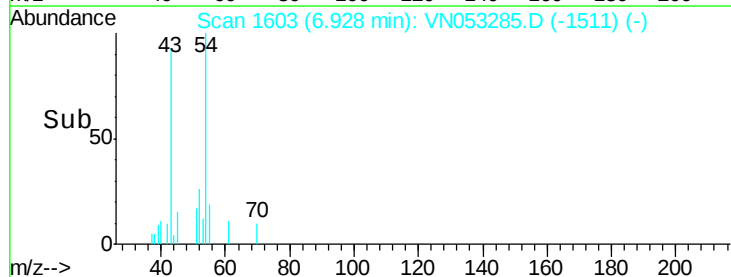
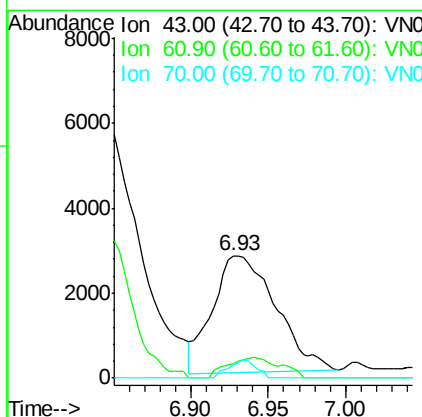
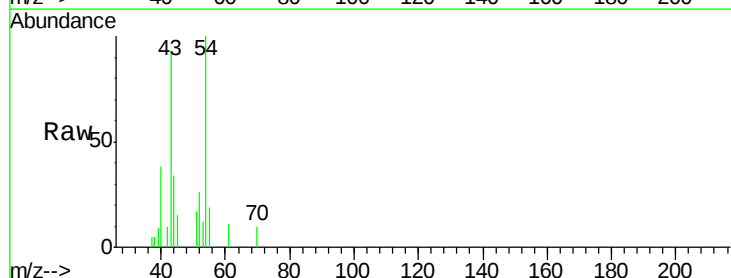
Manual Integrations
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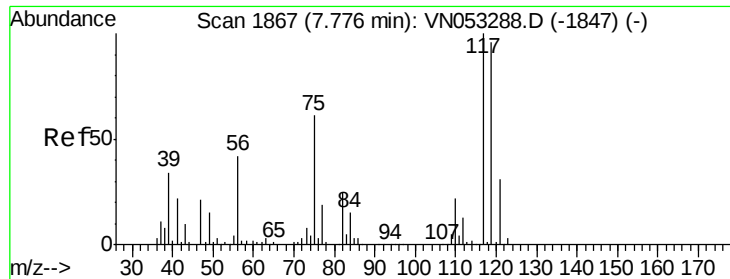
MMDadoda
 1/8/2019 10:23:54 AM



#37
 Ethyl Acetate
 Concen: 0.929 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	6.9	8.6	13.0





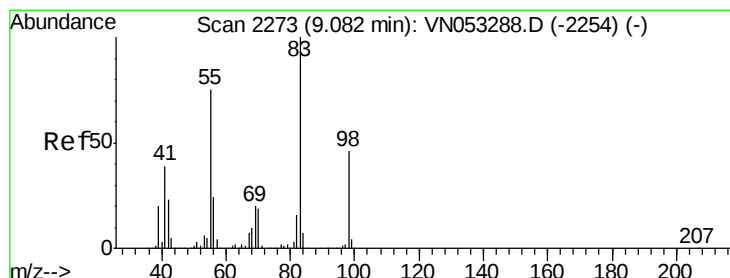
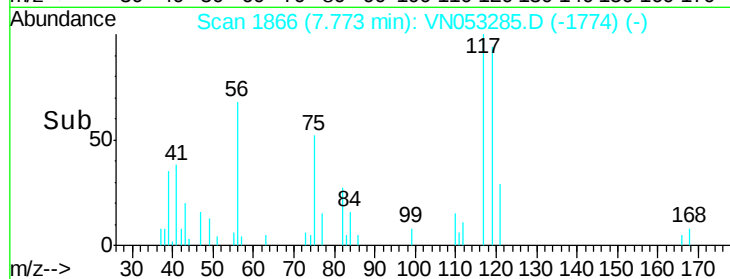
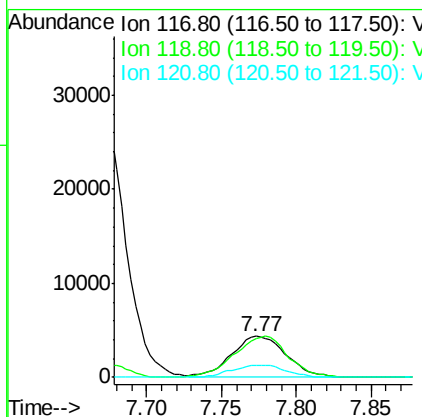
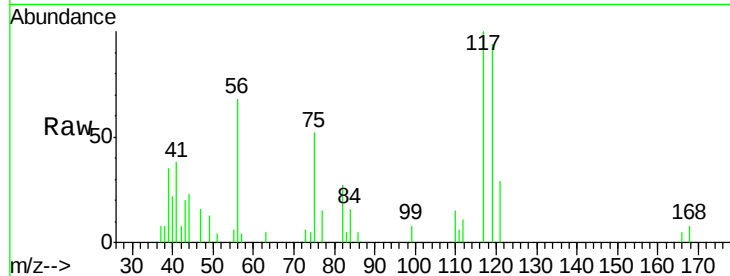
#38
Carbon Tetrachloride
Concen: 0.947 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.6	115.0
121	29.0	25.0	37.4

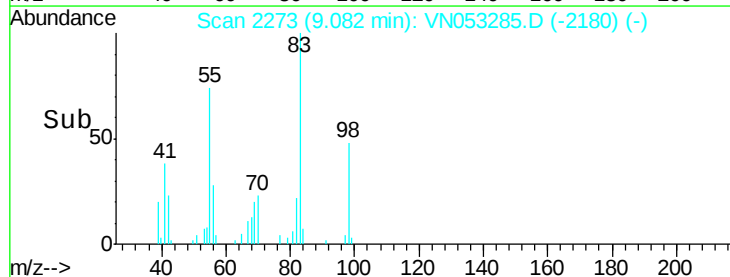
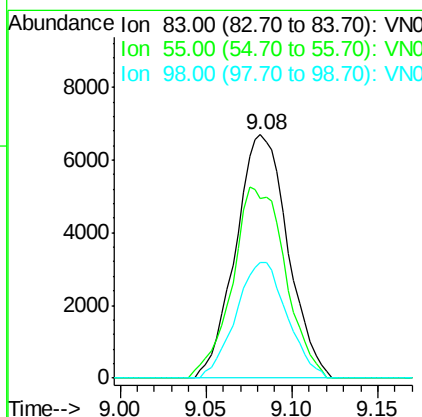
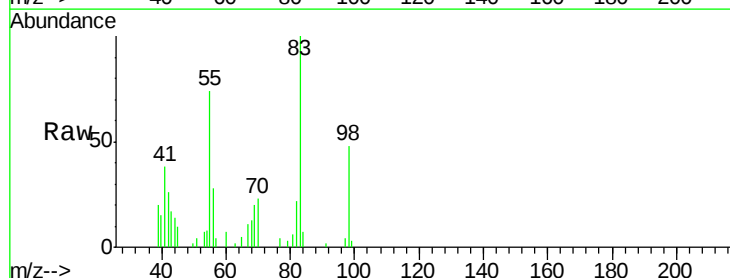
Manual Integrations
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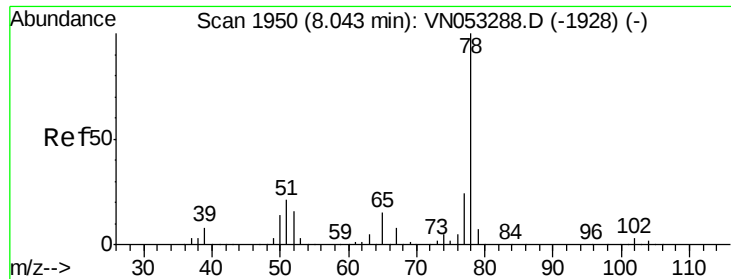
MMDadoda
1/8/2019 10:23:54 AM



#39
Methylcyclohexane
Concen: 0.955 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.1	90.1
98	47.6	36.7	55.1





#40

Benzene

Concen: 0.996 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 38669

Ion Ratio Lower Upper

78 100

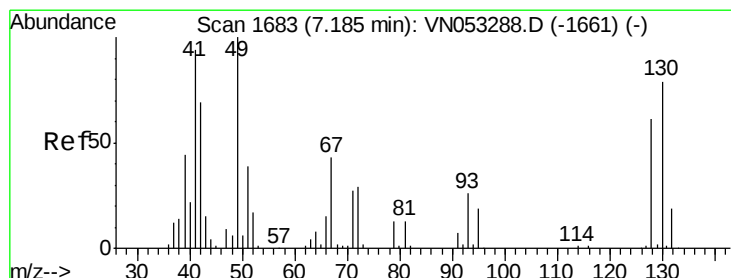
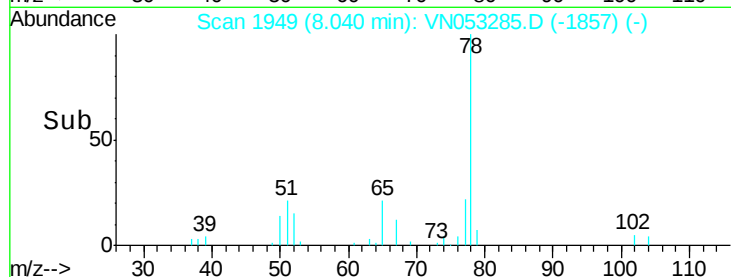
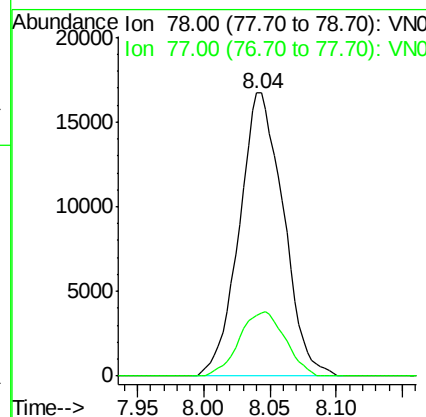
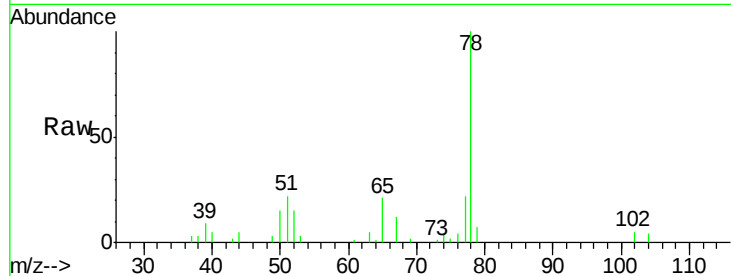
77 21.7 19.0 28.4

Manual Integrations

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1/8/2019 10:23:54 AM



#41

Methacrylonitrile

Concen: 1.055 ug/l m

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Tgt Ion: 41 Resp: 5052

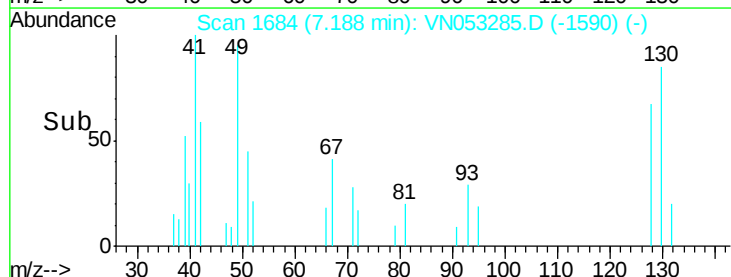
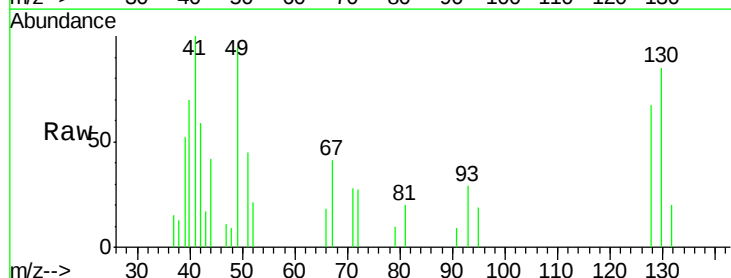
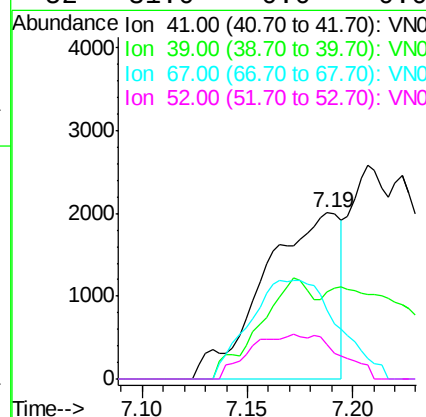
Ion Ratio Lower Upper

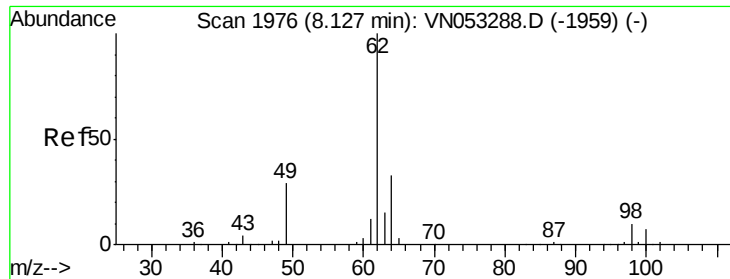
41 100

39 41.6 0.0 0.0#

67 68.6 0.0 0.0#

52 31.0 0.0 0.0#





#42

1,2-Dichloroethane

Concen: 1.019 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 62 Resp: 11622

Ion Ratio Lower Upper

62 100

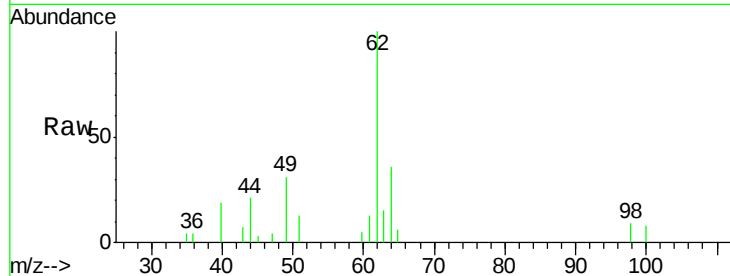
98 8.9 0.0 20.2

Manual Integrations

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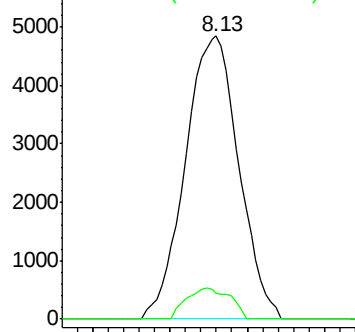
MMDadoda

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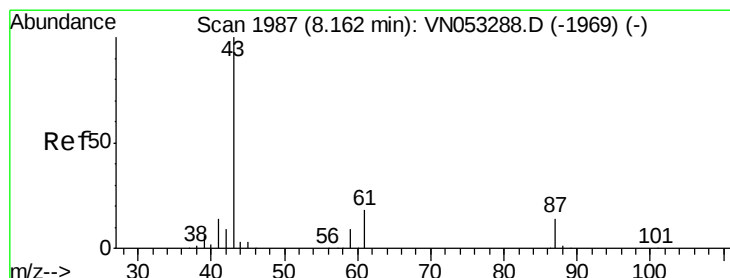
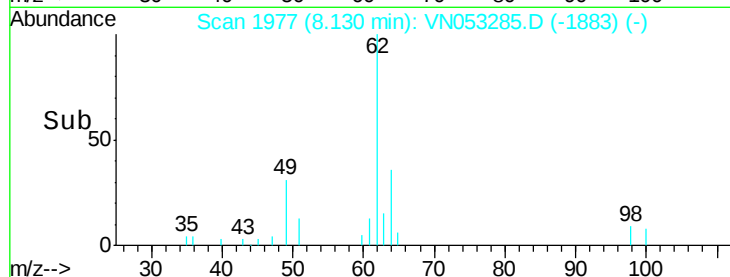


Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



Time-->



#43

Isopropyl Acetate

Concen: 1.359 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.02 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

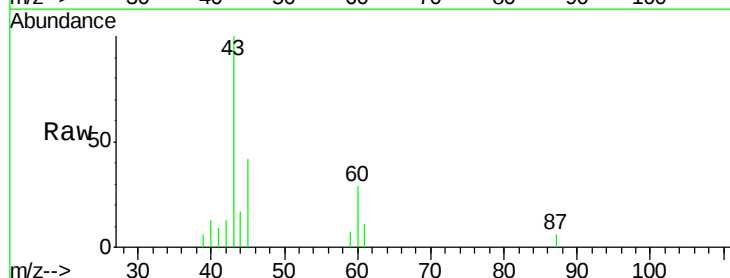
Tgt Ion: 43 Resp: 20629

Ion Ratio Lower Upper

43 100

61 15.3 23.3 34.9#

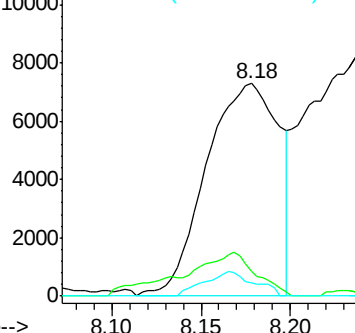
87 8.0 10.8 16.2#



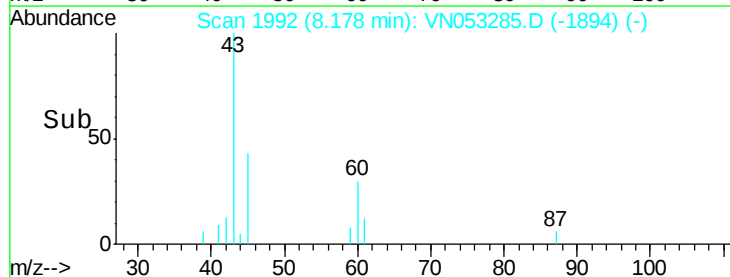
Abundance Ion 43.00 (42.70 to 43.70): VNO

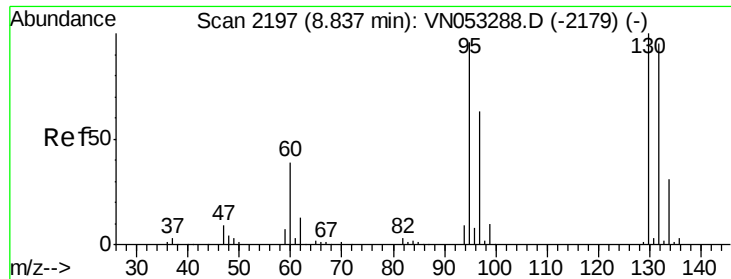
Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO



Time-->





#44

Trichloroethene

Concen: 1.048 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 11091

Ion Ratio Lower Upper

130 100

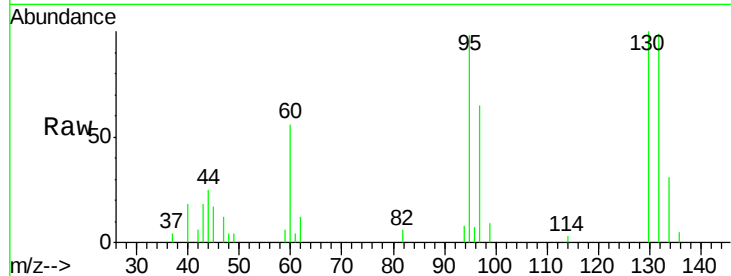
95 98.0 0.0 191.8

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

6000

5000

4000

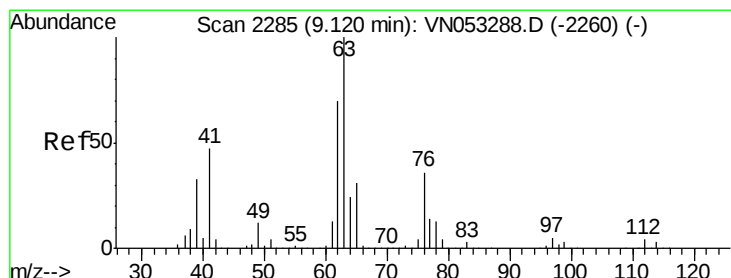
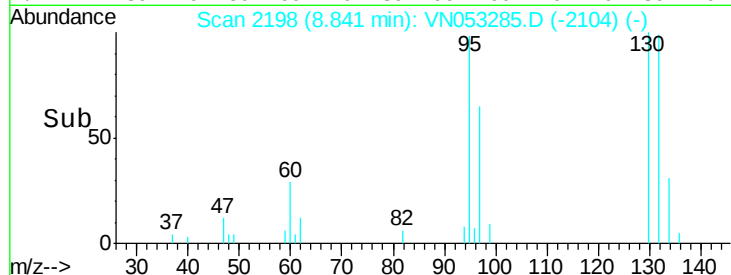
3000

2000

1000

0

Time--> 8.75 8.80 8.85 8.90



#45

1,2-Dichloropropane

Concen: 0.985 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053285.D

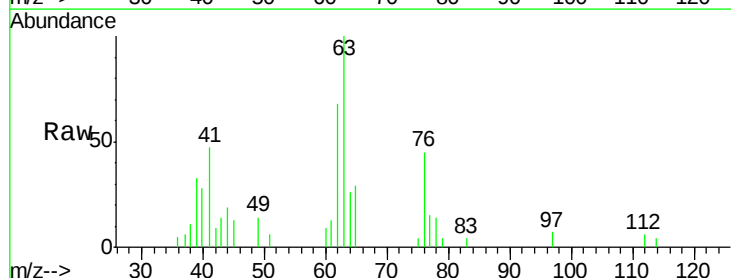
Acq: 4 Jan 2019 17:15

Tgt Ion: 63 Resp: 10030

Ion Ratio Lower Upper

63 100

65 28.9 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

5000

4000

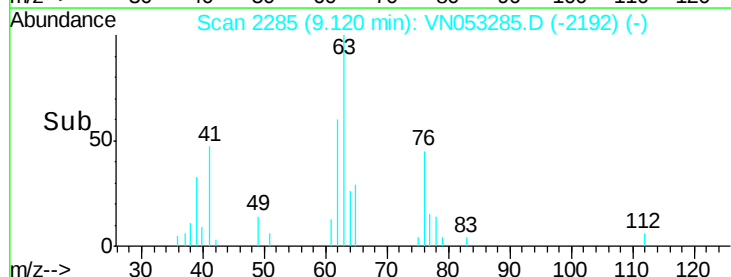
3000

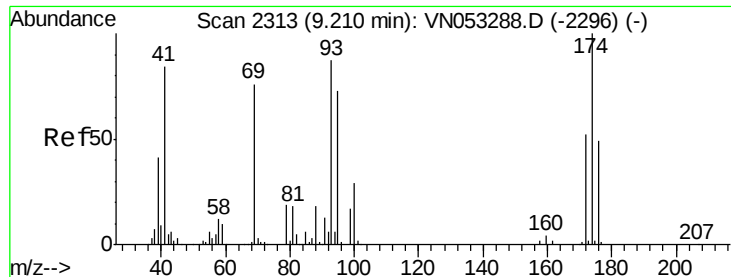
2000

1000

0

Time--> 9.05 9.10 9.15





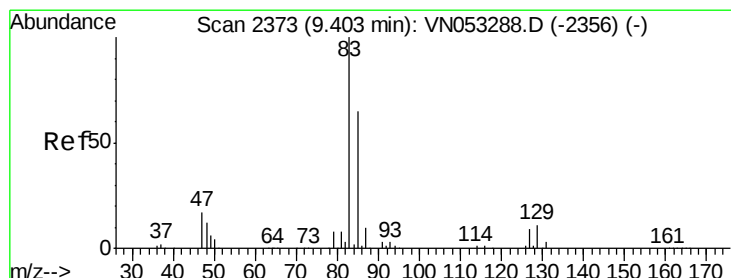
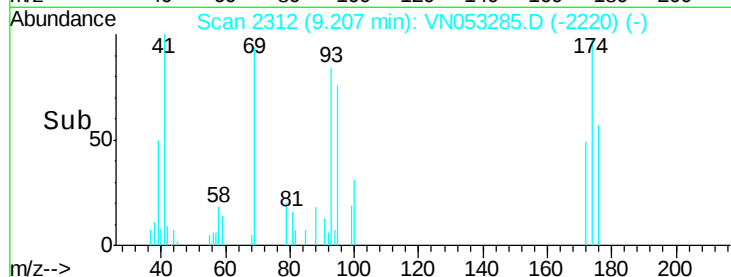
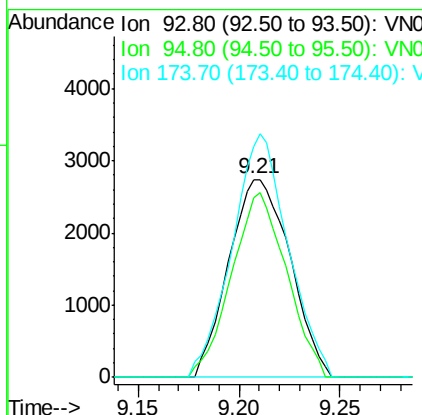
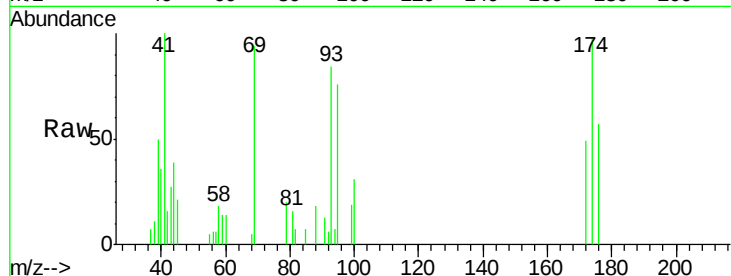
#46
Dibromomethane
Concen: 0.968 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.6	100.0
174	112.7	91.4	137.0

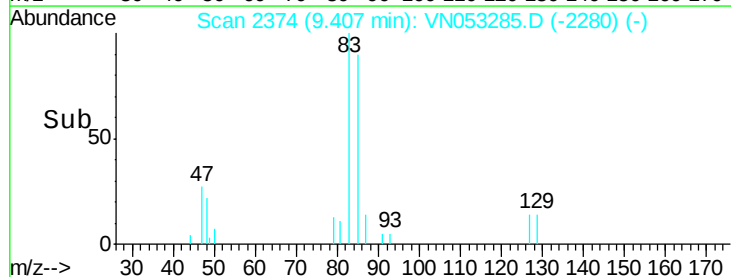
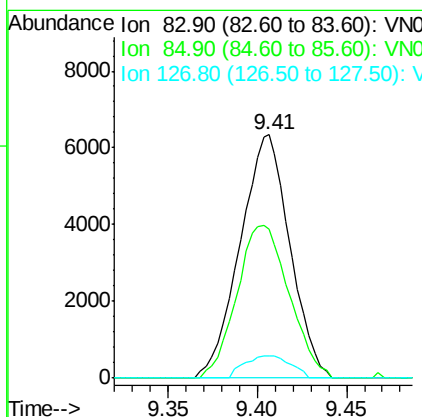
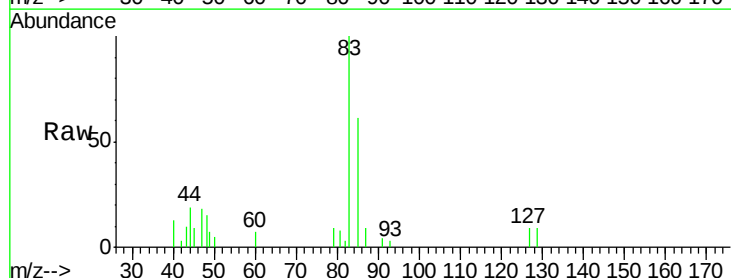
Manual Integrations
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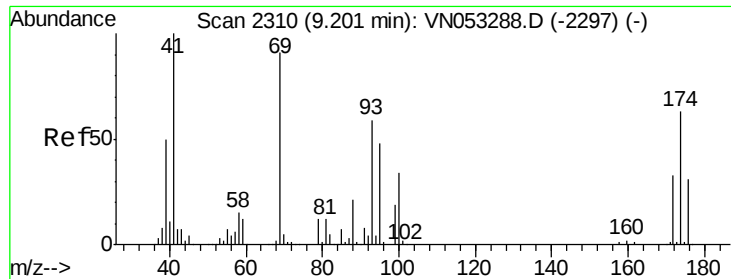
MMDadoda
1/8/2019 10:23:54 AM



#47
Bromodichloromethane
Concen: 0.997 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.7	77.5
127	9.3	7.0	10.6





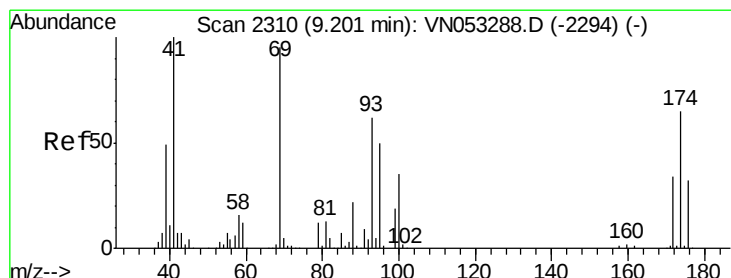
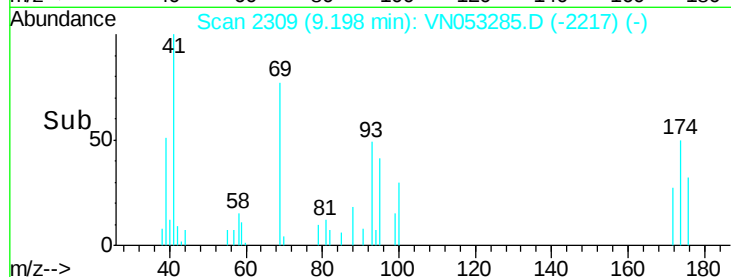
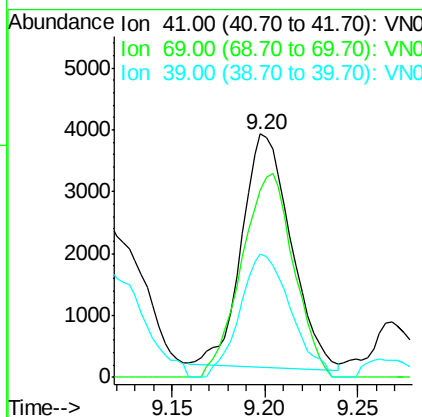
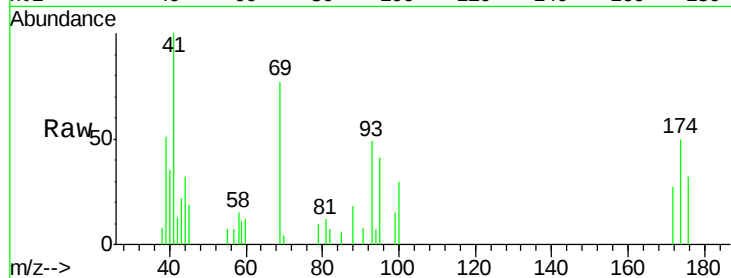
#48
Methvl methacrylate
Concen: 0.921 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	92.2	73.5	110.3
39	54.5	41.6	62.4

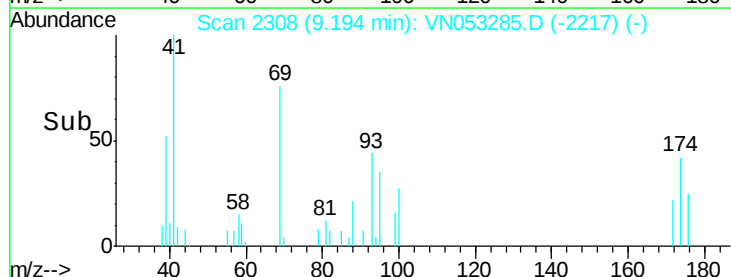
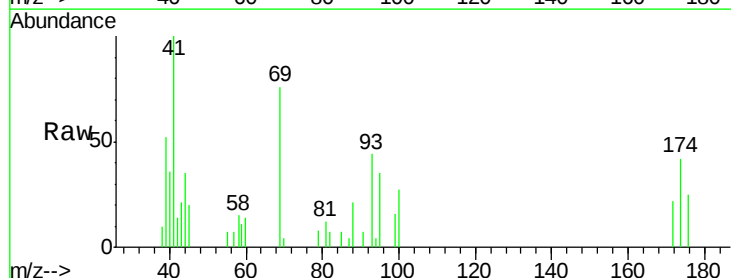
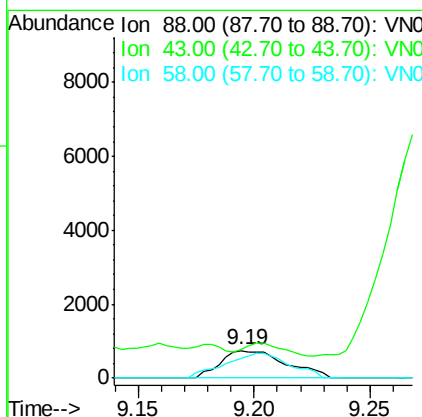
Manual Integrations
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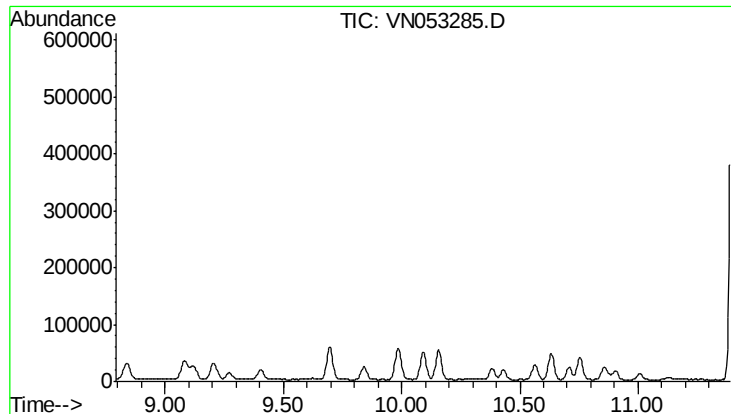
MMDadoda
1/8/2019 10:23:54 AM



#49
1,4-Dioxane
Concen: 16.578 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.9	26.2	39.4
58	88.8	55.5	83.3#





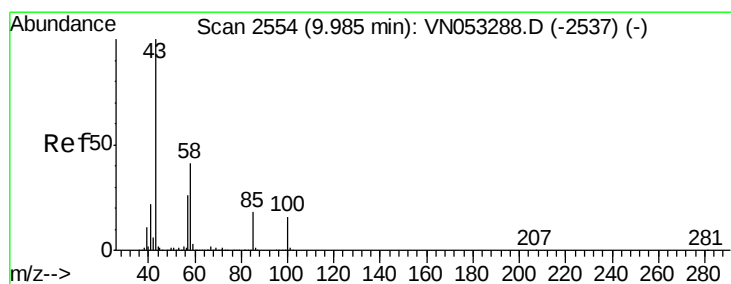
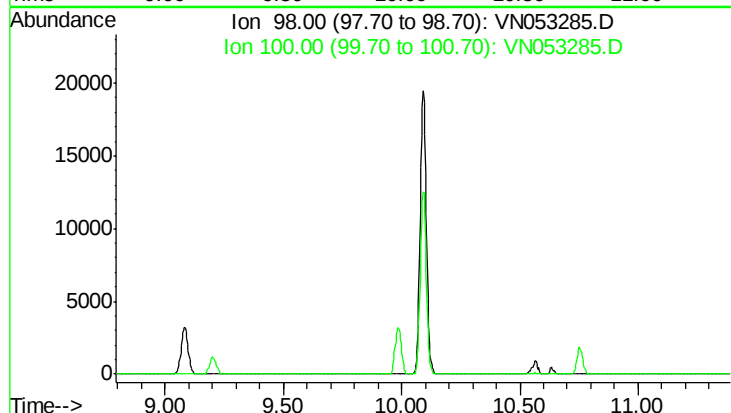
#50
Toluene-d8
Concen: 16.578 ug/l
Expected RT: 10.09 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

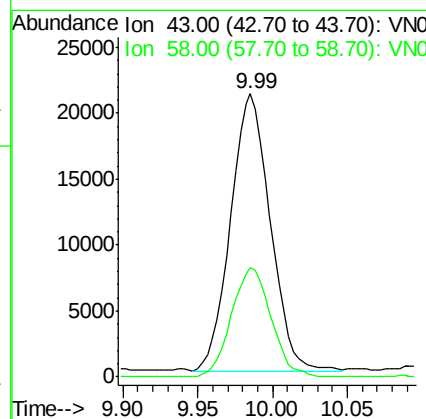
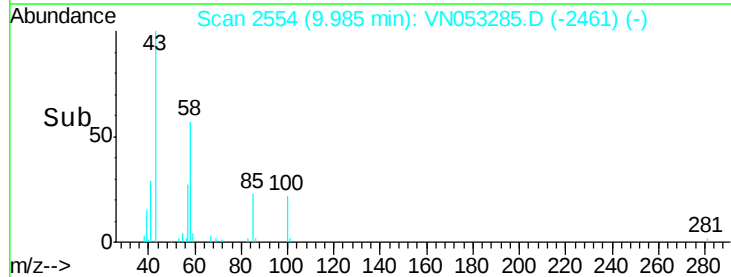
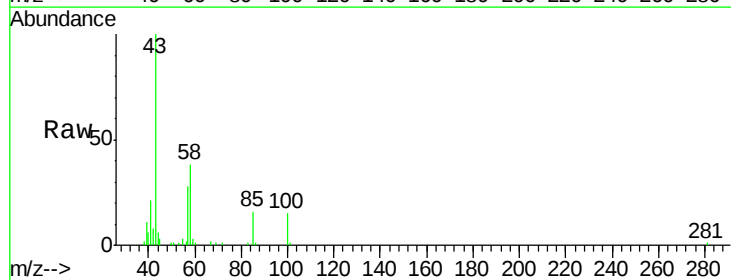
MMDadoda
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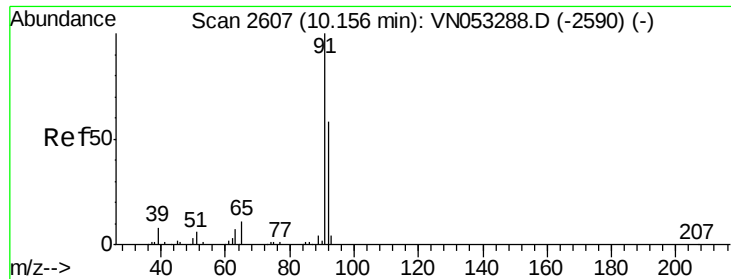
Tot Ion: 98
Sig Exp Ratio
98 100
100 64.4



#51
4-Methyl-2-Pentanone
Concen: 4.578 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion: 43 Resp: 38625
Ion Ratio Lower Upper
43 100
58 39.4 32.7 49.1





#52

Toluene

Concen: 0.945 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 22914

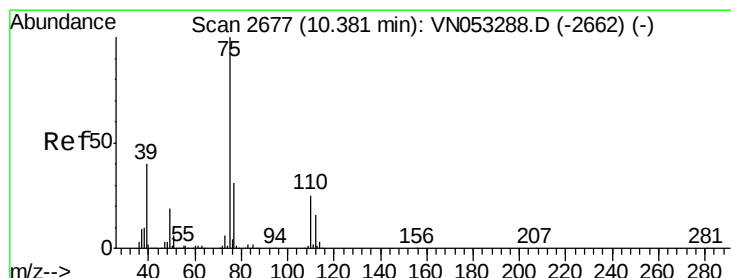
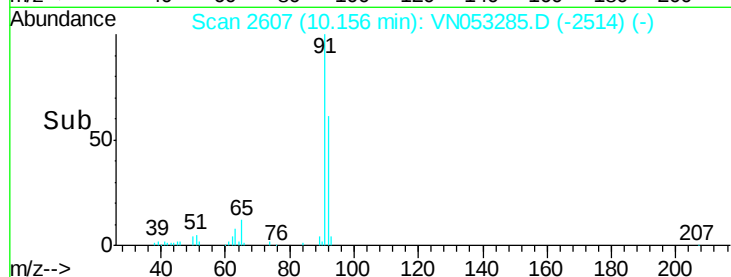
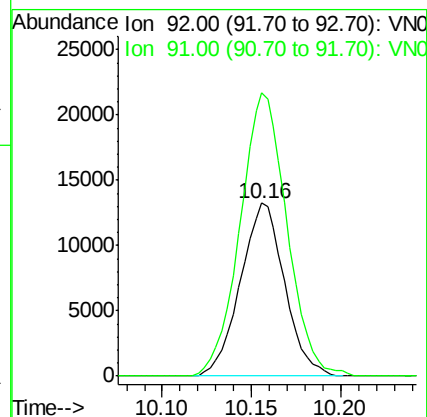
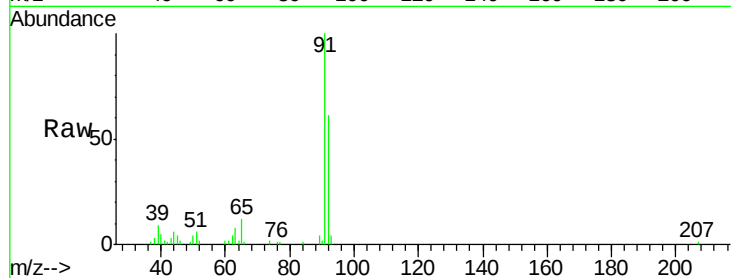
Ion Ratio Lower Upper

92 100

91 173.1 138.6 208.0

Manual Integrations
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1/8/2019 10:23:54 AM



#53

t-1,3-Dichloropropene

Concen: 0.893 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053285.D

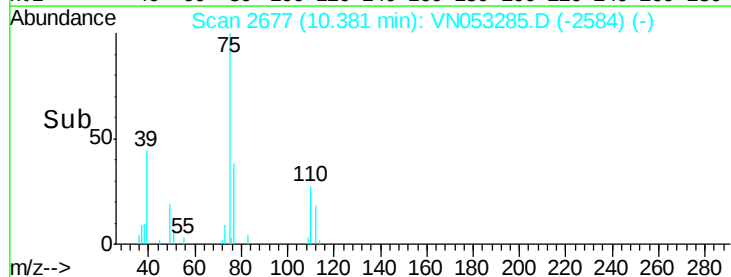
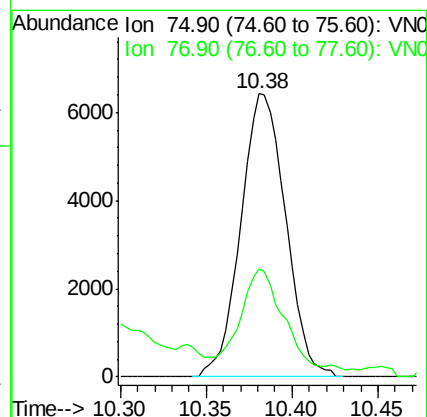
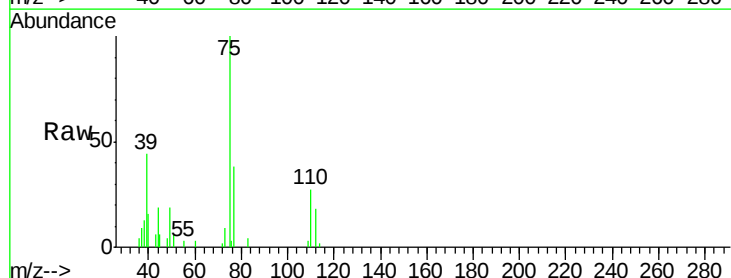
Acq: 4 Jan 2019 17:15

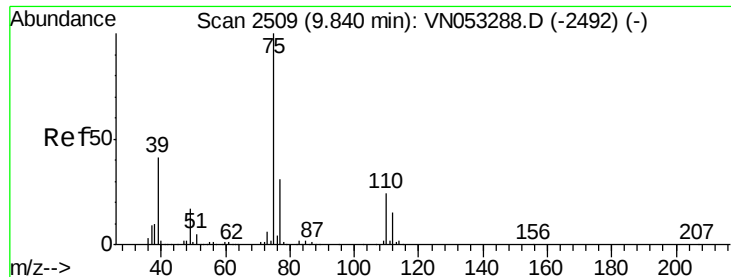
Tgt Ion: 75 Resp: 11628

Ion Ratio Lower Upper

75 100

77 35.3 25.0 37.4





#54

cis-1,3-Dichloropropene

Concen: 0.896 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

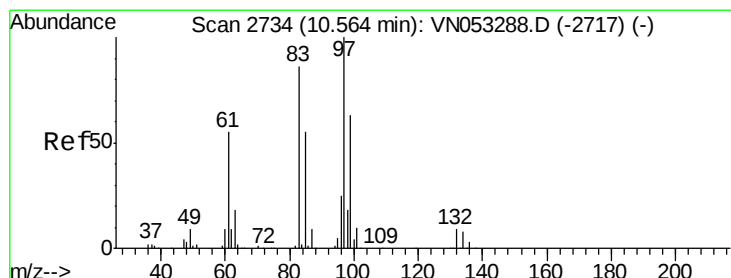
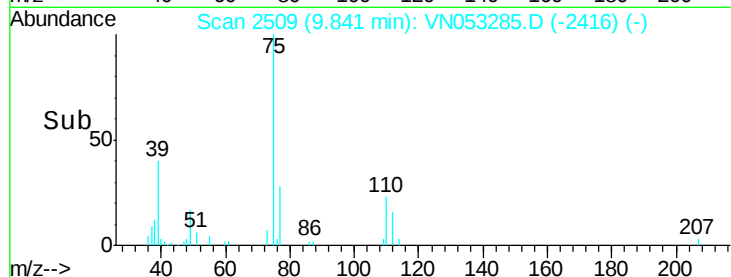
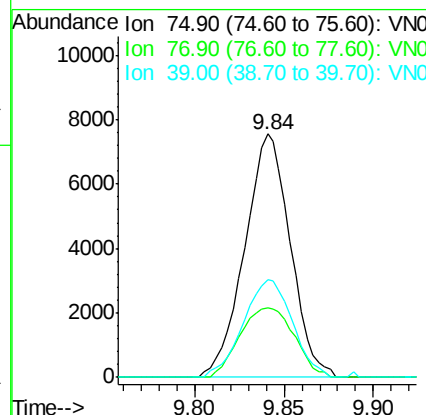
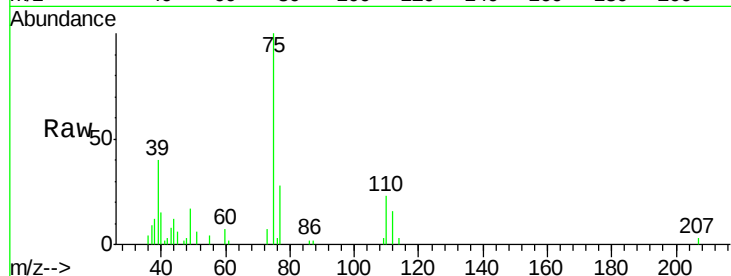
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	13470
Ion	Ratio	Lower	Upper
75	100		
77	28.5	25.1	37.7
39	40.3	33.1	49.7

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.038 ug/l

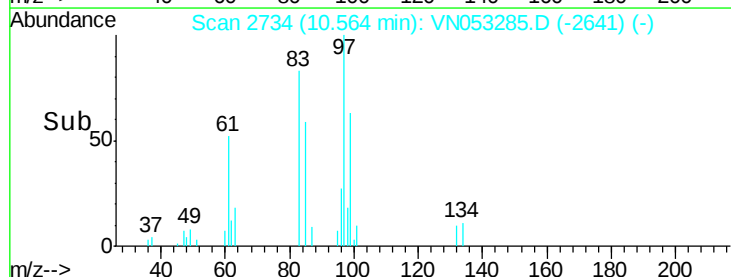
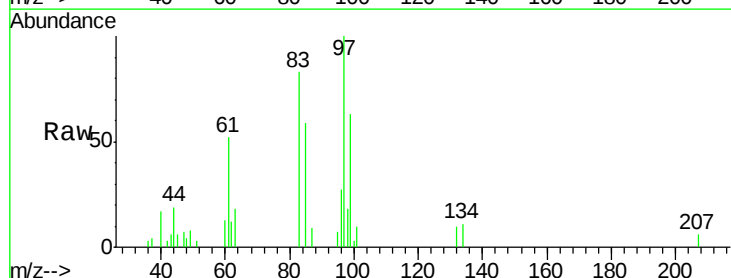
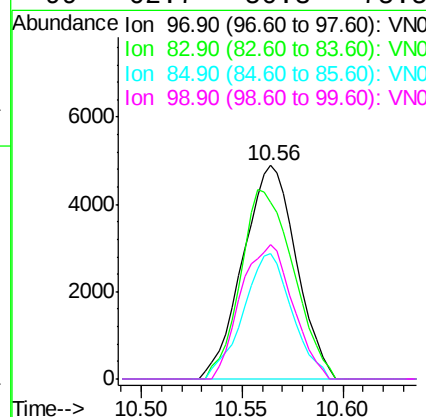
RT: 10.56 min Scan# 2734

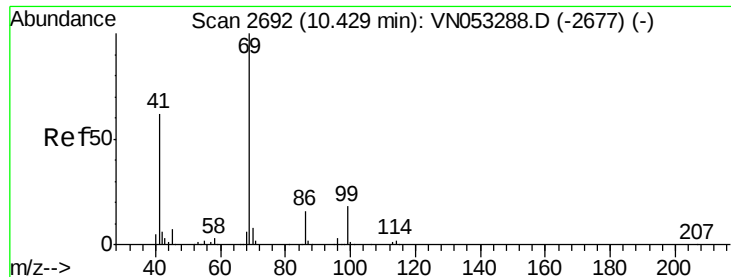
Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Tgt Ion:	97	Resp:	9038
Ion	Ratio	Lower	Upper
97	100		
83	82.9	69.1	103.7
85	58.9	44.2	66.4
99	62.7	50.3	75.5





#56

Ethyl methacrylate

Concen: 0.826 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

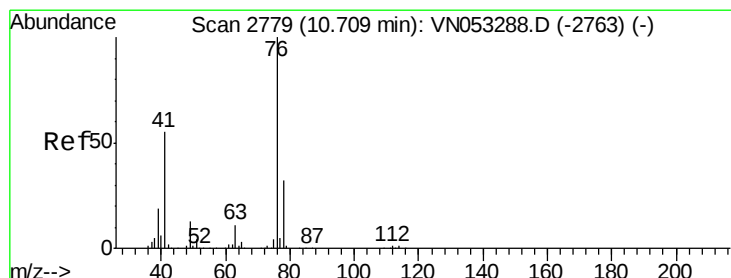
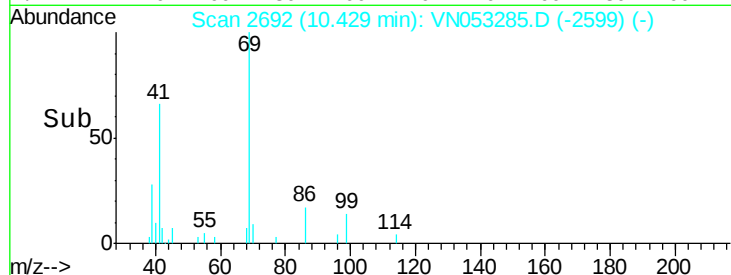
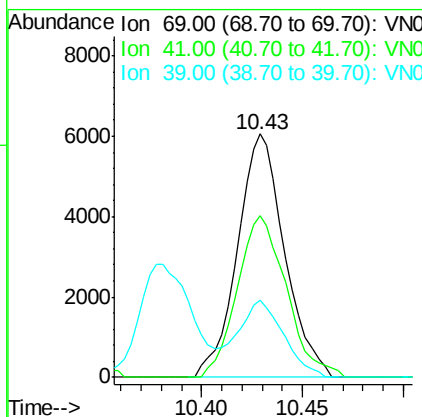
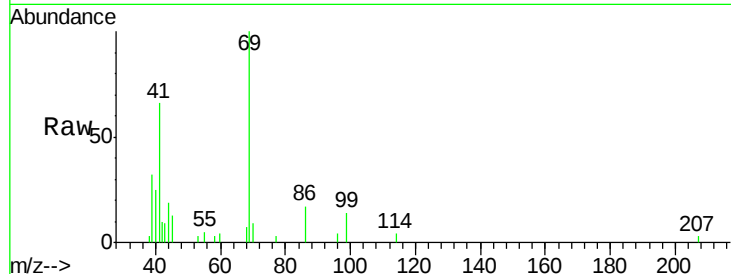
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	9871
Ion	Ratio	Lower	Upper
69	100		
41	69.5	49.2	73.8
39	30.5	23.4	35.0

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.941 ug/l

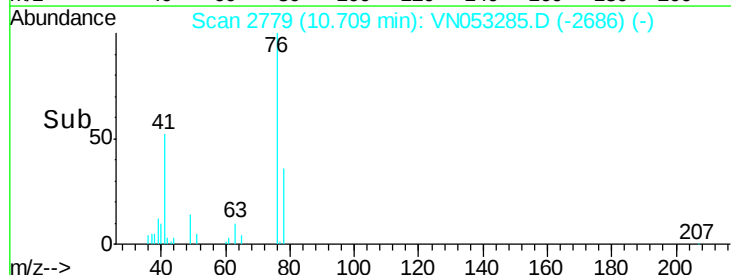
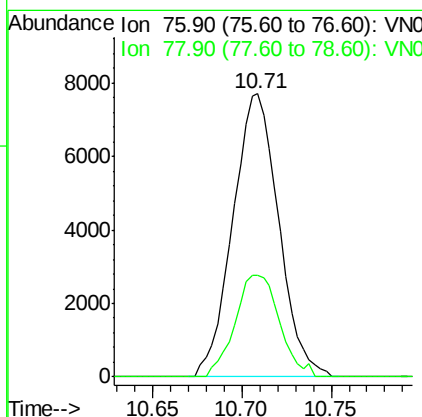
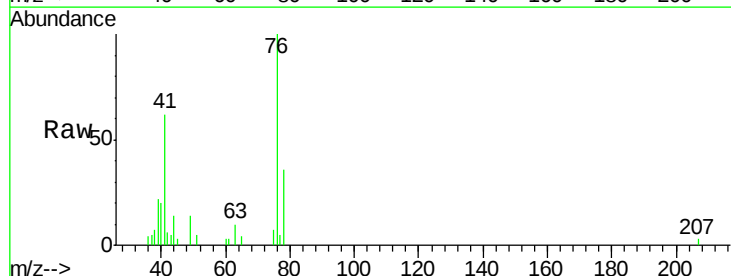
RT: 10.71 min Scan# 2779

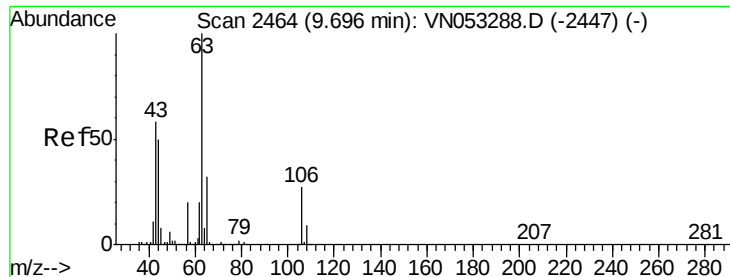
Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Tgt Ion:	76	Resp:	13852
Ion	Ratio	Lower	Upper
76	100		
78	34.8	25.8	38.8





#58

2-Chloroethyl Vinyl ether

Concen: 4.162 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 63 Resp: 26565

Ion Ratio Lower Upper

63 100

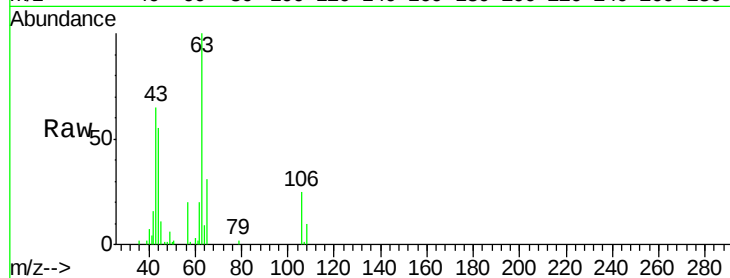
106 24.9 21.7 32.5

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0

9.69

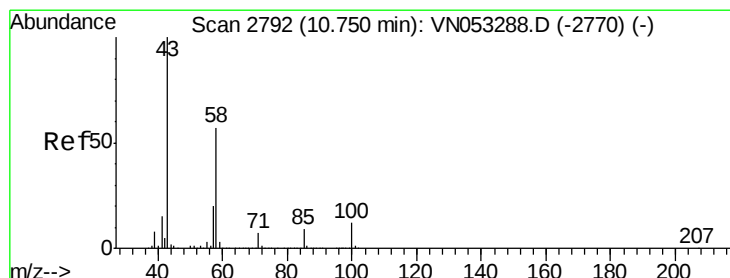
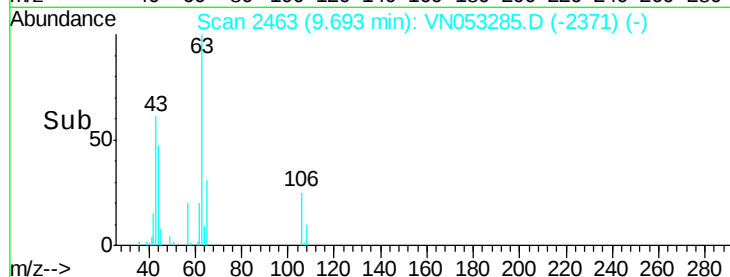
15000

10000

5000

0

Time-->



#59

2-Hexanone

Concen: 4.388 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN053285.D

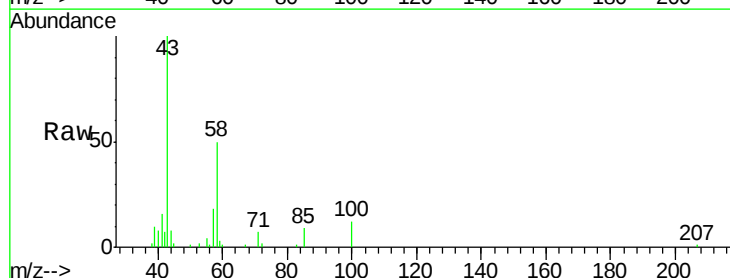
Acq: 4 Jan 2019 17:15

Tgt Ion: 43 Resp: 25653

Ion Ratio Lower Upper

43 100

58 55.0 28.3 85.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

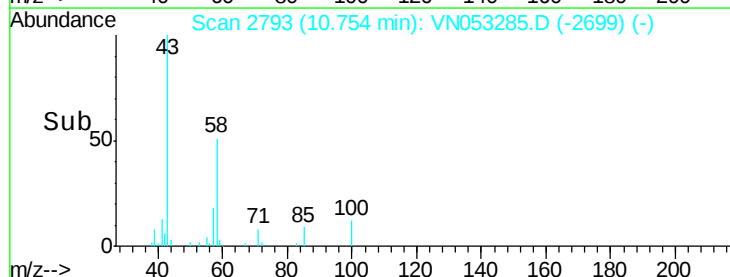
15000

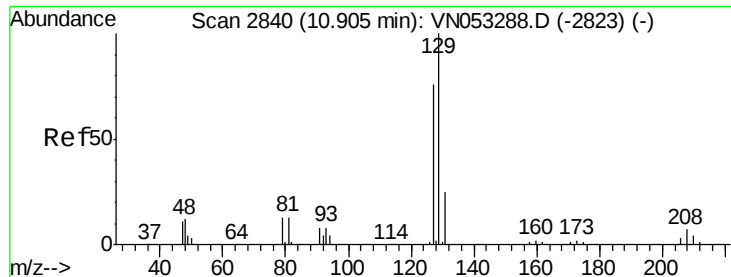
10000

5000

0

Time-->





#60

Dibromochloromethane

Concen: 0.887 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 8632

Ion Ratio Lower Upper

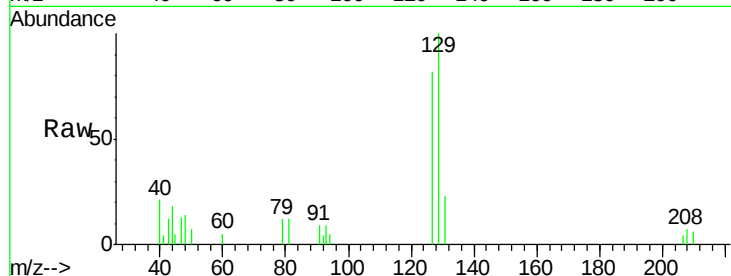
129 100

127 84.2 38.4 115.2

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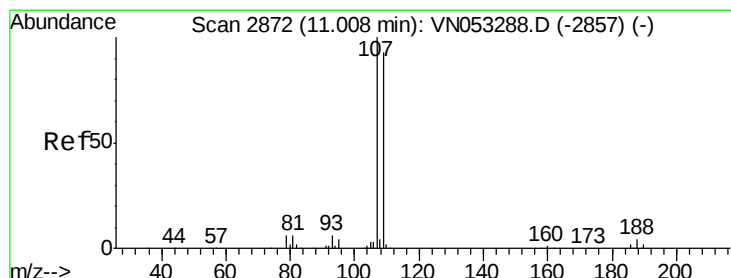
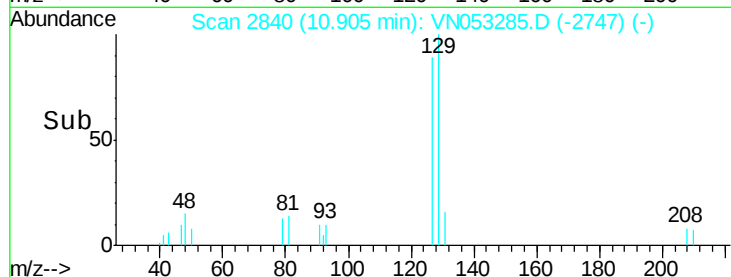
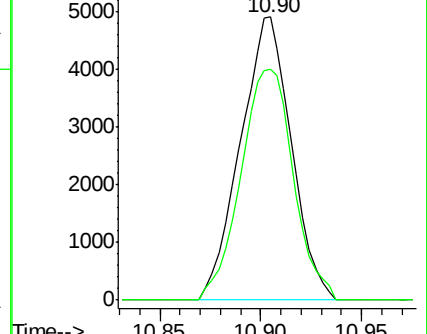
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.932 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053285.D

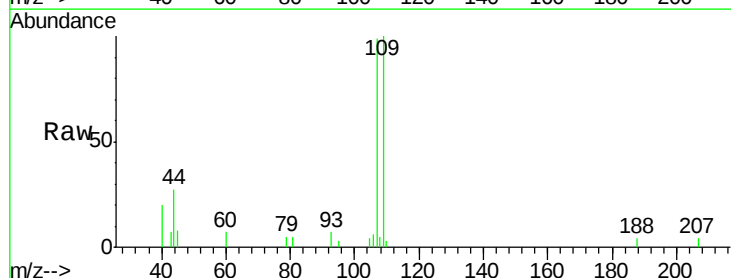
Acq: 4 Jan 2019 17:15

Tgt Ion:107 Resp: 8216

Ion Ratio Lower Upper

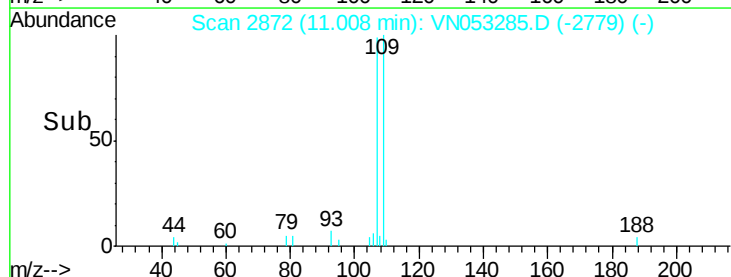
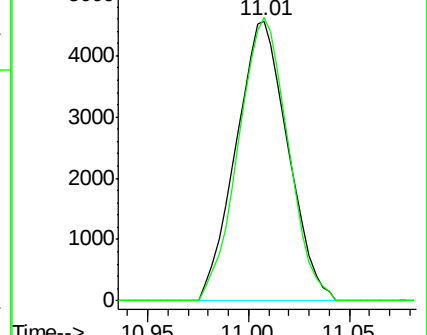
107 100

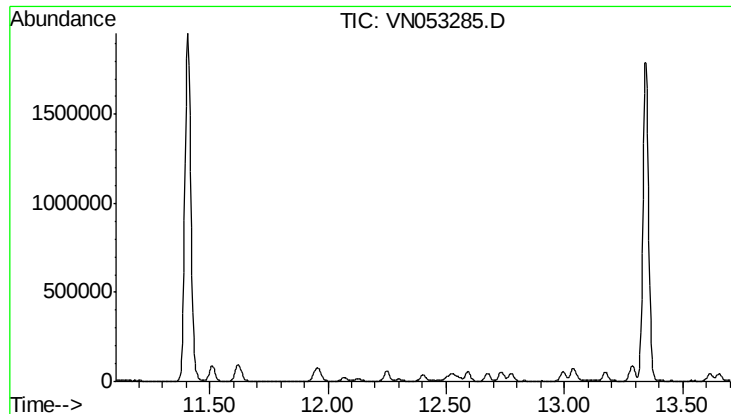
109 96.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.932 ug/l

Expected RT: 12.40 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Tot Ion: 95

Sig Exp Ratio

95 100

174 90.2

176 87.8

Instrument :

MSVOA_N

ClientSampleId :

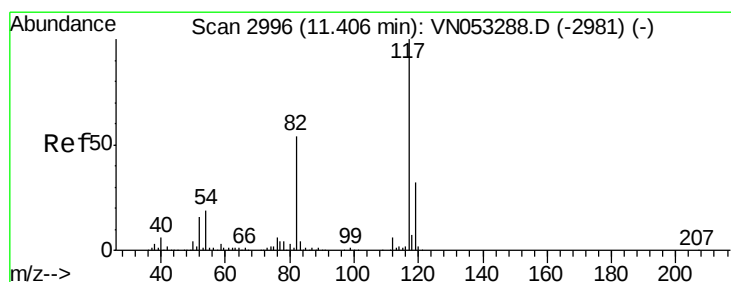
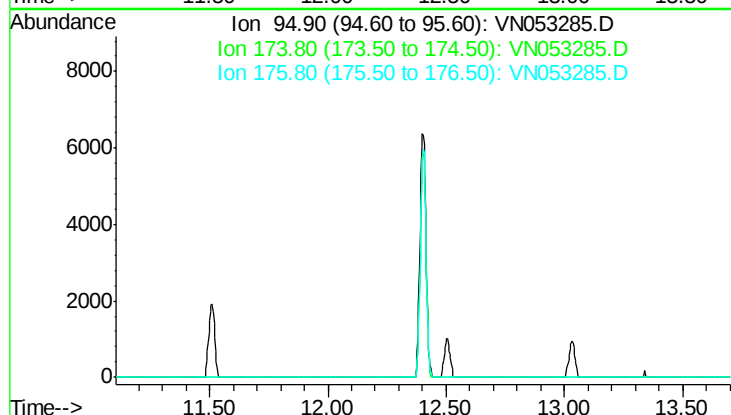
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

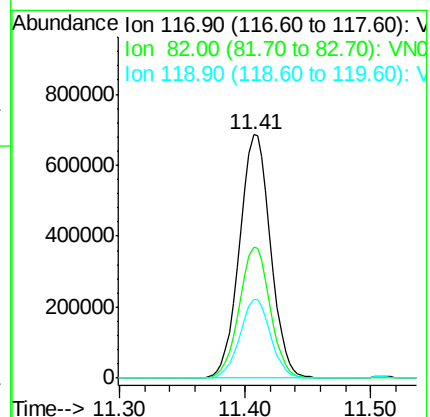
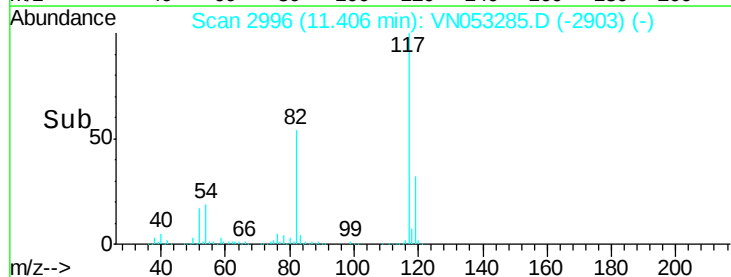
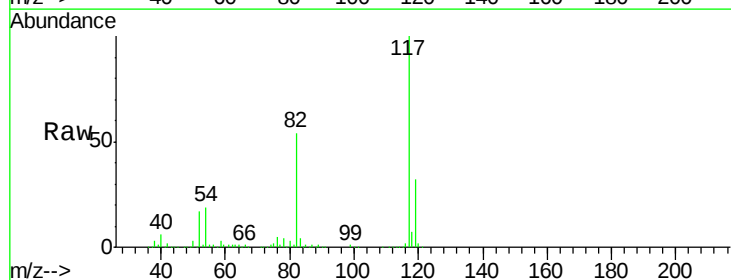
Tgt Ion:117 Resp: 1178167

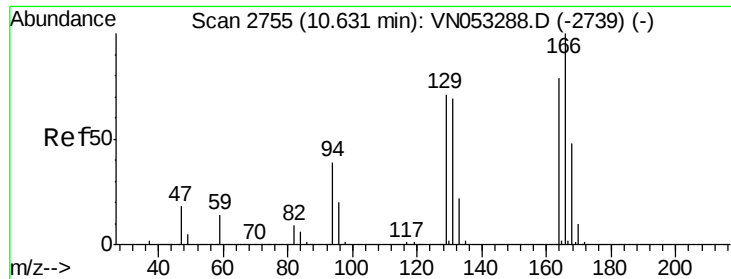
Ion Ratio Lower Upper

117 100

82 53.9 42.9 64.3

119 32.2 25.6 38.4





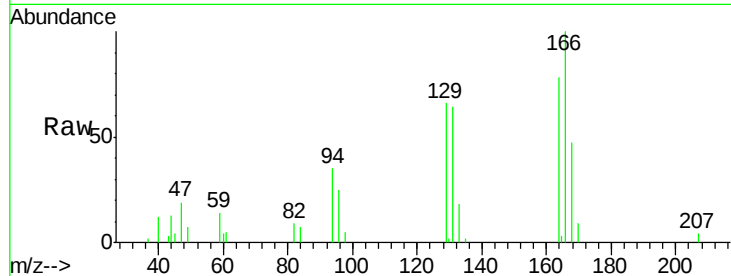
#64
Tetrachloroethene
Concen: 1.042 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

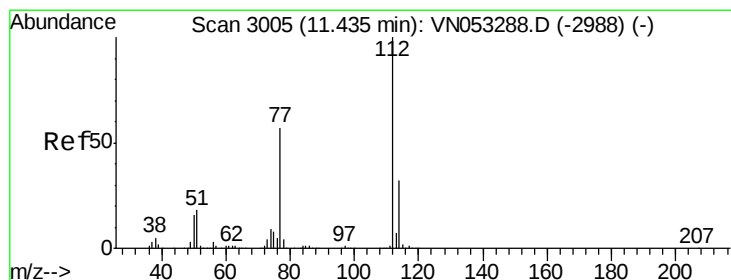
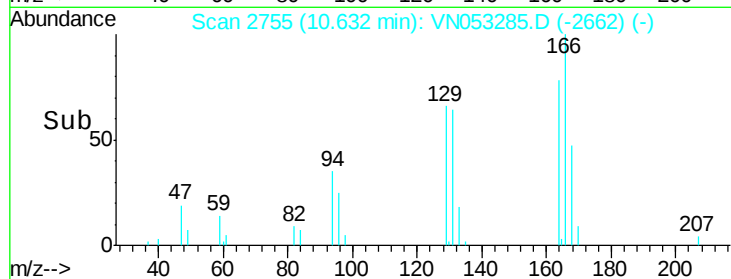
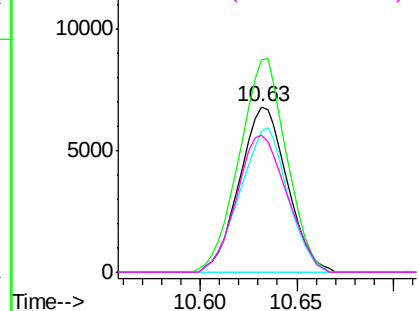
Tot Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.7	152.5
129	84.9	72.1	108.1
131	82.5	69.9	104.9

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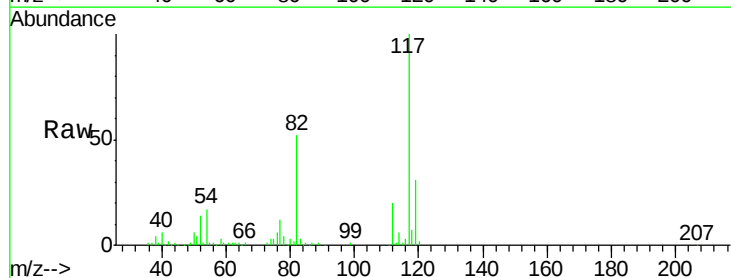


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

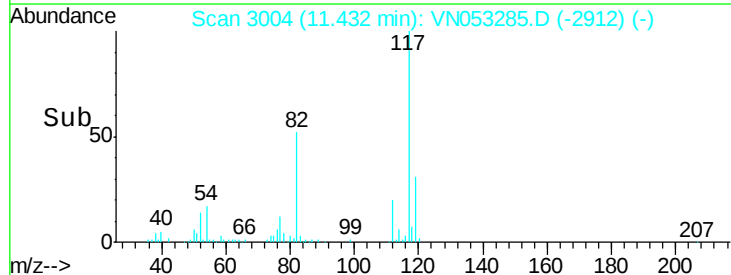
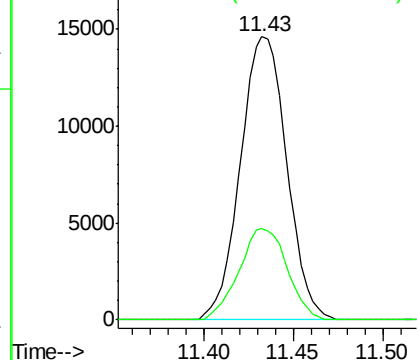


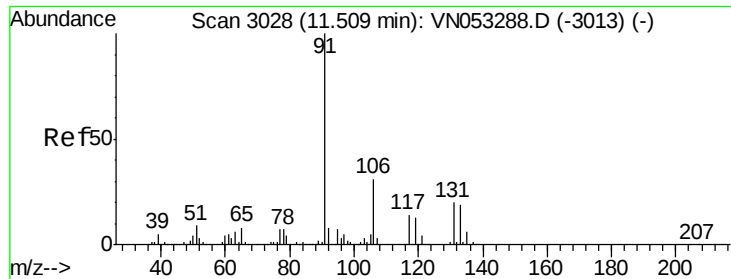
#65
Chlorobenzene
Concen: 1.034 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.987 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

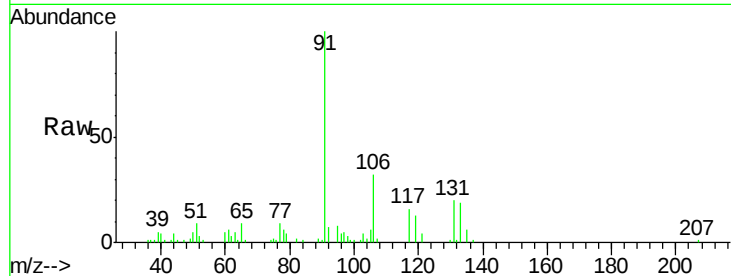
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.0	144.0
119	0.0	33.3	99.9#

Manual Integrations
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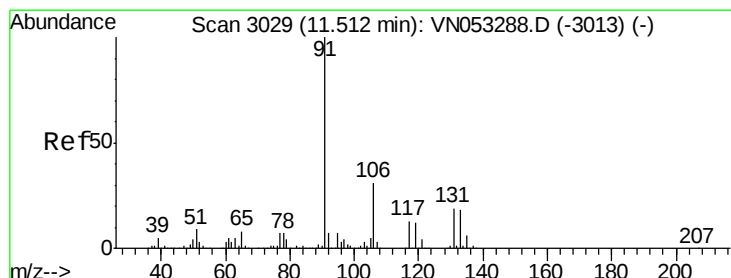
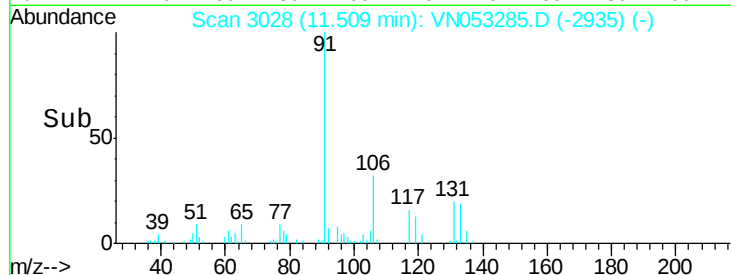
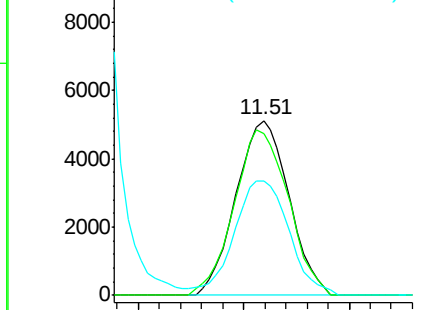
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.959 ug/l

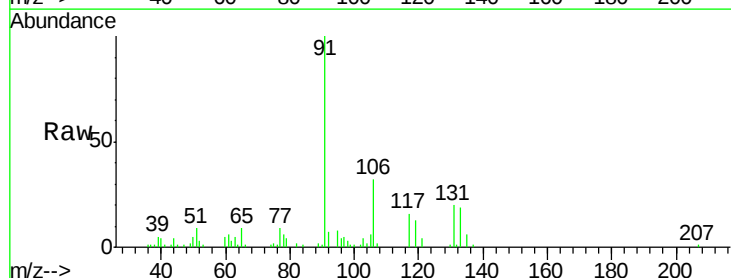
RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053285.D

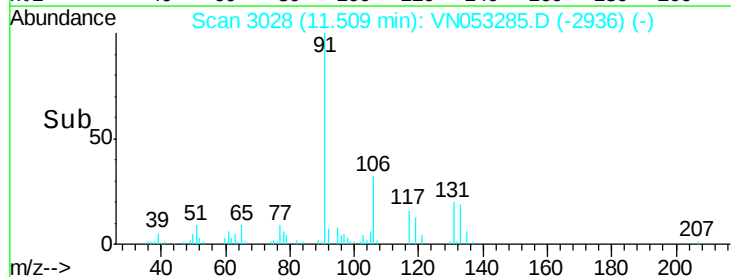
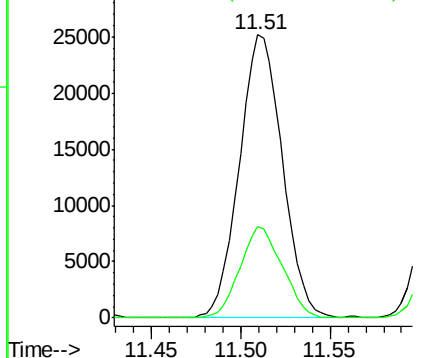
Acq: 4 Jan 2019 17:15

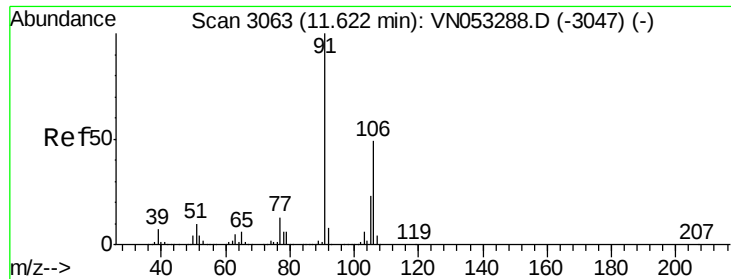
Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.0	37.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





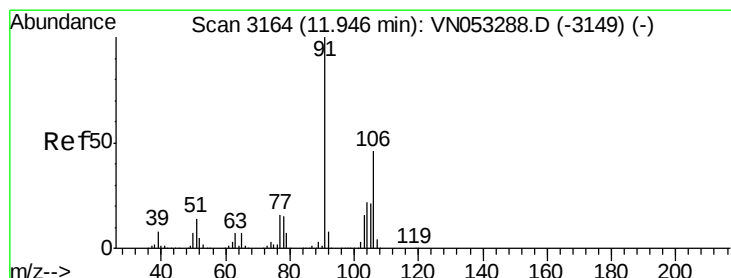
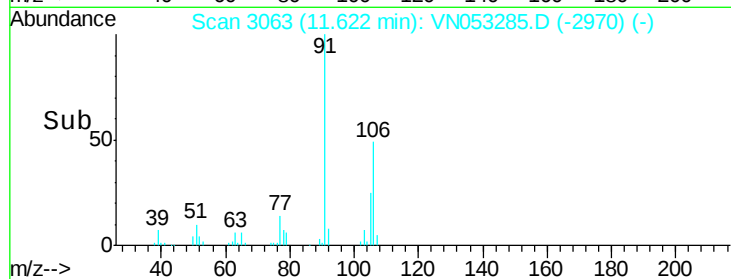
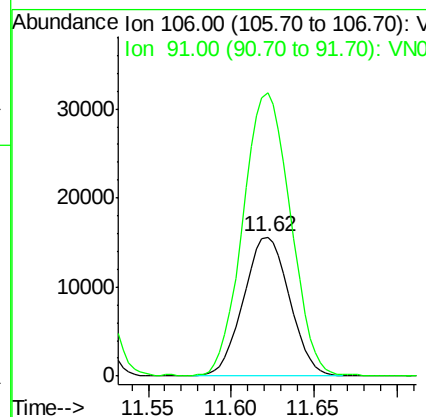
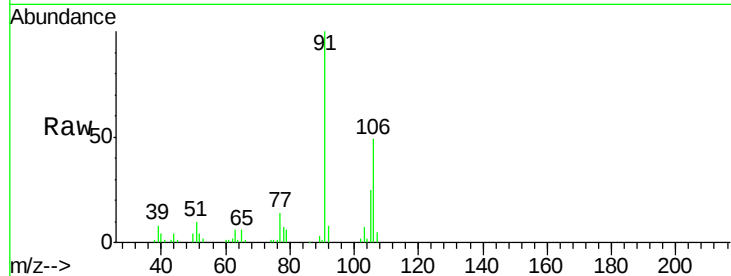
#68
m/p-Xvlenes
Concen: 1.789 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		30198		
91	209.7	161.4	242.2		

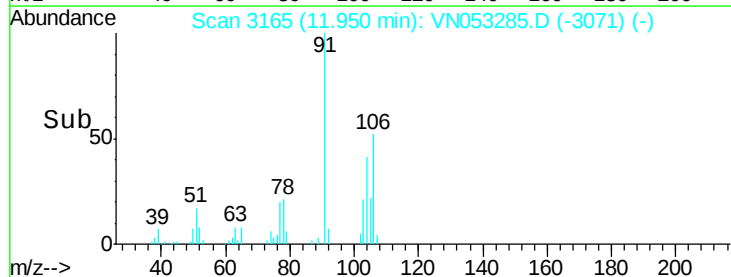
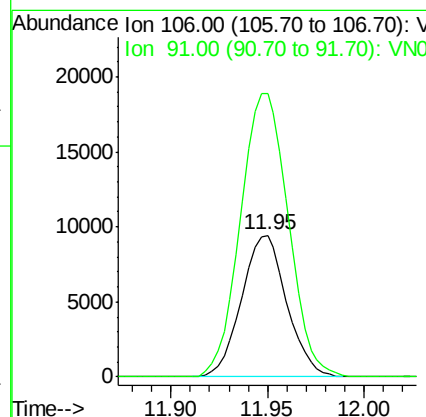
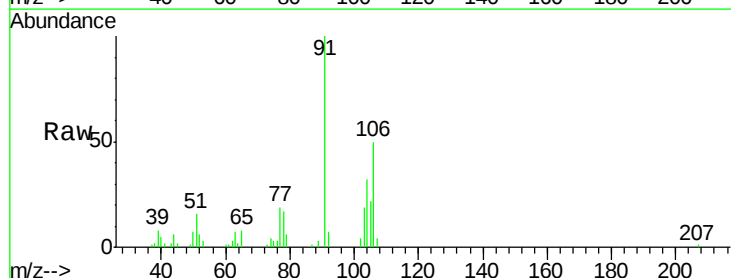
Manual Integrations
APPROVED

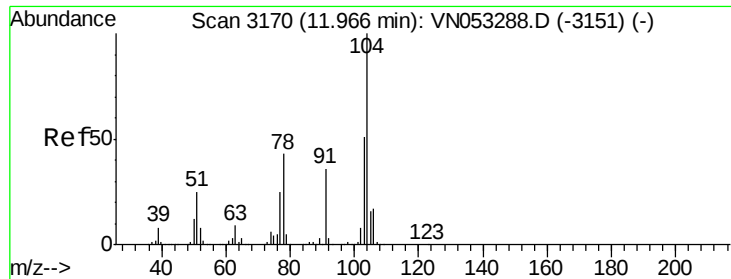
MMDadoda
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#69
o-Xylene
Concen: 0.940 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		15367		
91	211.0	106.8	320.4		





#70

Stvrene

Concen: 0.868 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

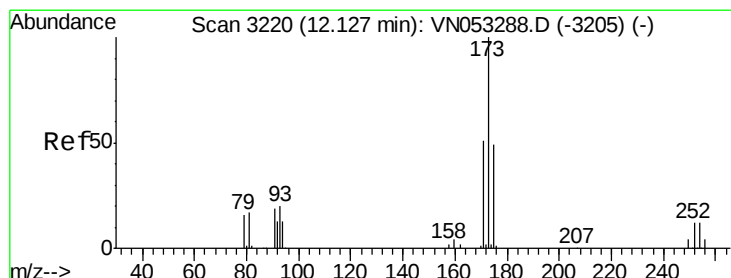
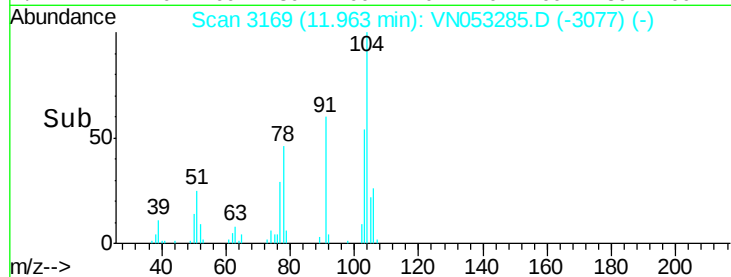
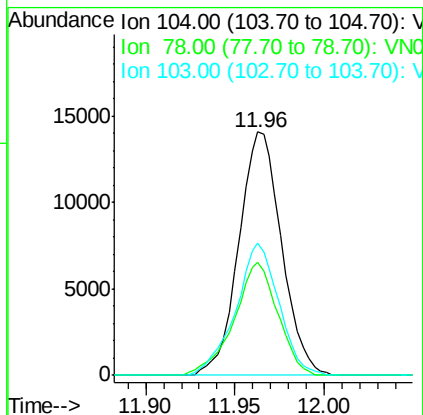
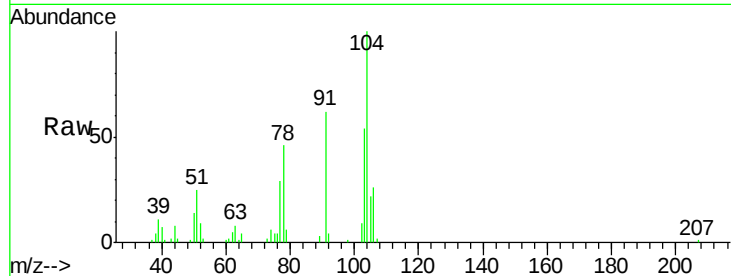
ClientSampled :

VSTDIC001

Tot Ion:	104	Resp:	23533
Ion Ratio	Lower	Upper	
104	100		
78	47.4	38.5	57.7
103	55.0	44.5	66.7

Manual Integrations
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#71

Bromoform

Concen: 0.871 ug/l

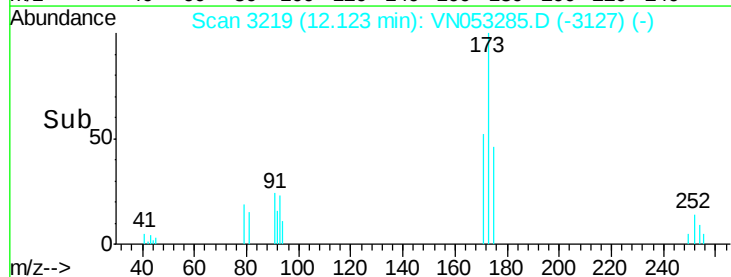
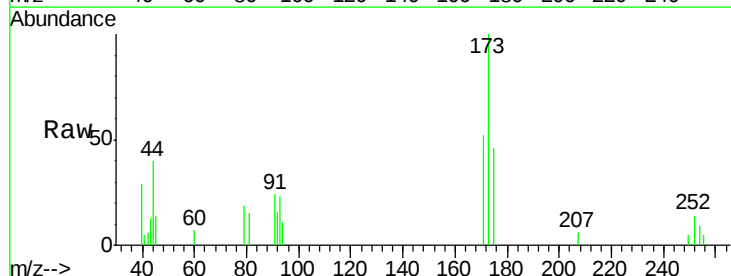
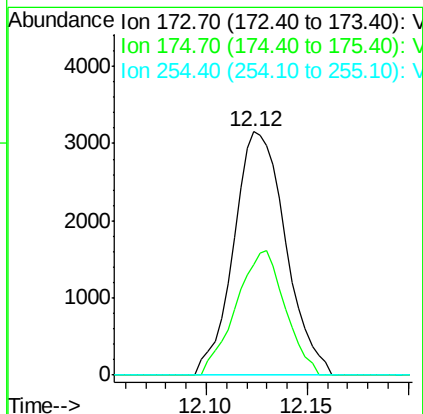
RT: 12.12 min Scan# 3219

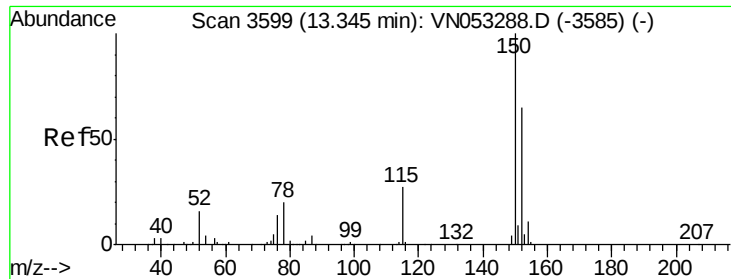
Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Tgt Ion:	173	Resp:	5684
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.3	72.8
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

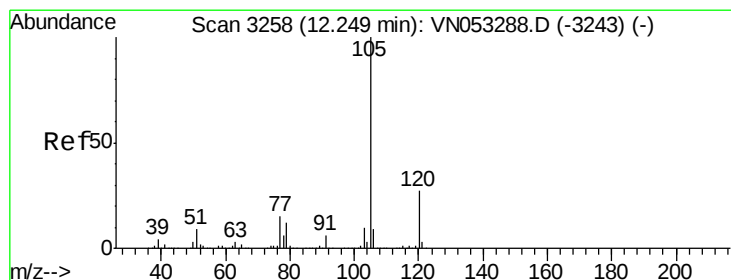
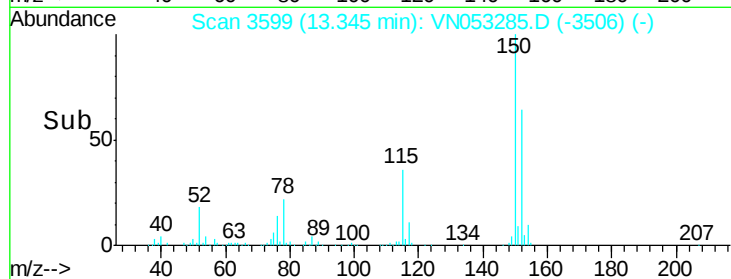
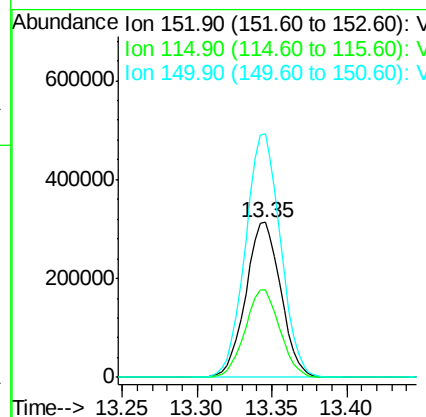
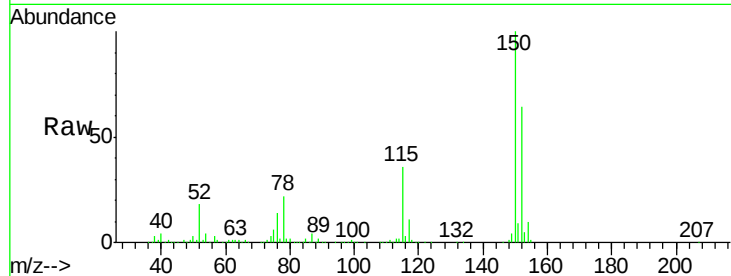
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	510387
Ion Ratio	Lower	Upper	
152	100		
115	56.0	28.0	84.0
150	158.2	0.0	346.6

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.968 ug/l

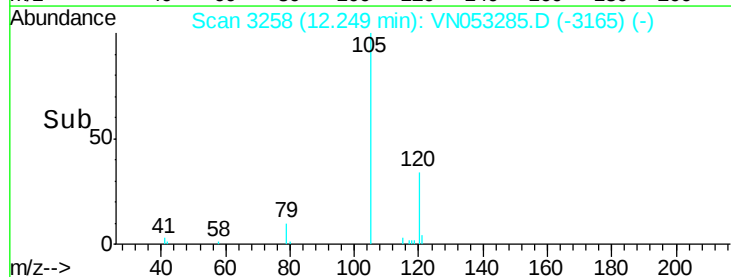
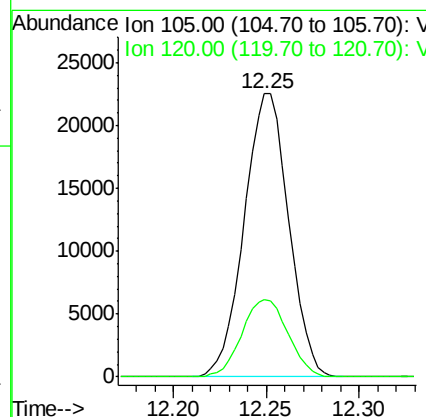
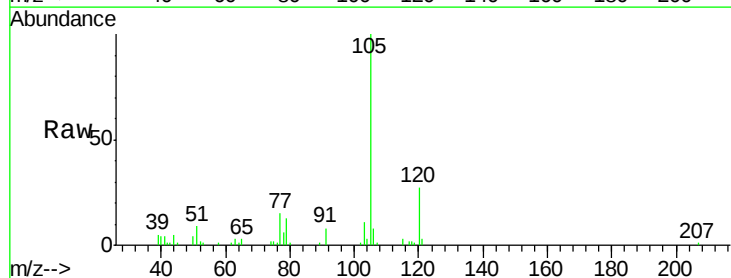
RT: 12.25 min Scan# 3258

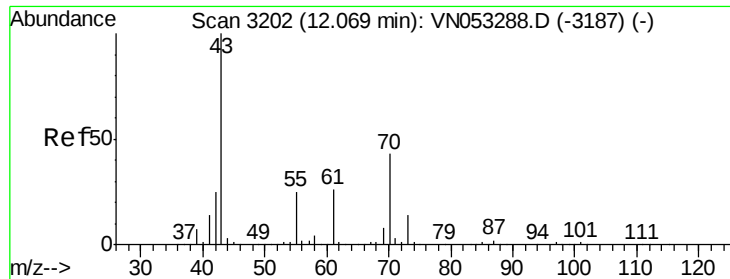
Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Tgt Ion:	105	Resp:	37431
Ion Ratio	Lower	Upper	
105	100		
120	28.2	13.4	40.2





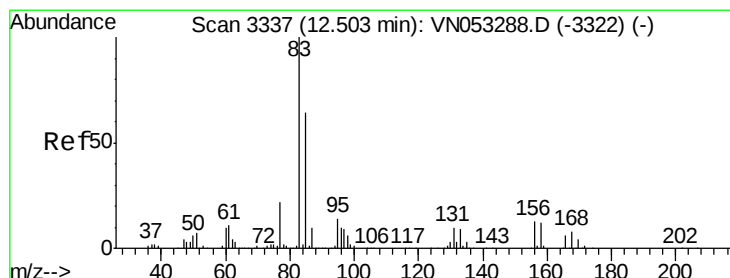
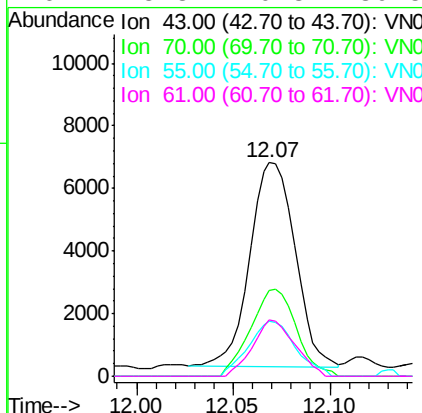
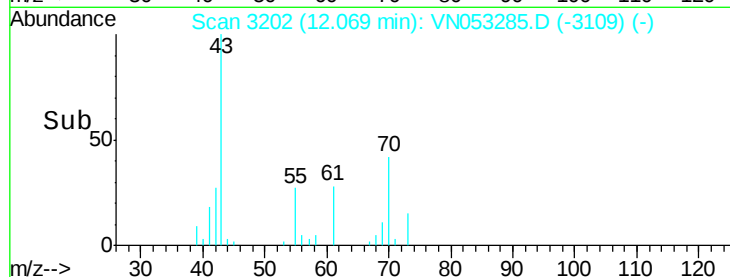
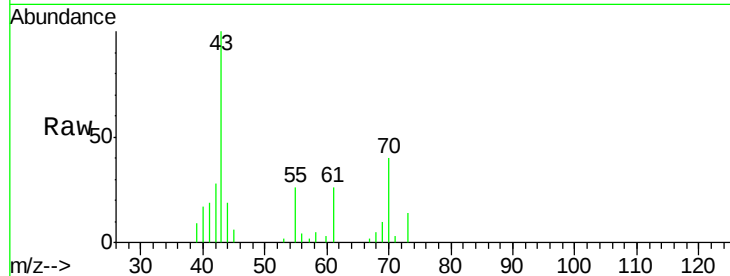
#74
N-amvl acetate
Concen: 0.892 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	43.4	35.0	52.6	
55	28.2	20.0	30.0	
61	25.8	20.3	30.5	

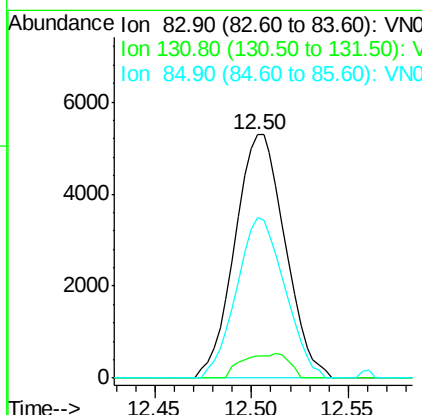
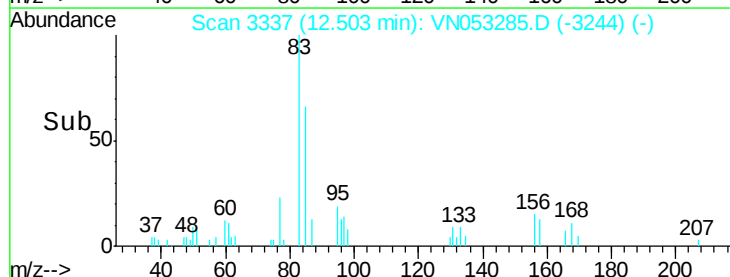
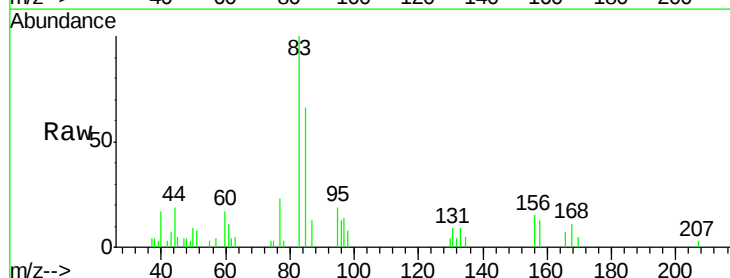
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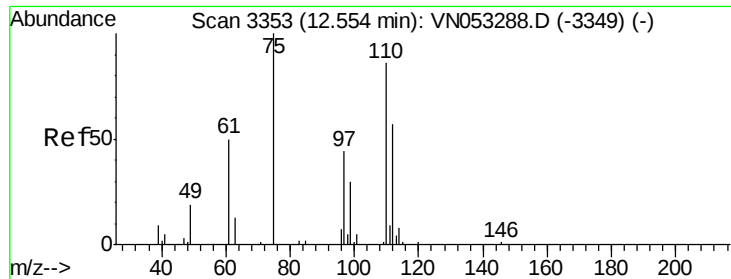
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#75
1,1,2,2-Tetrachloroethane
Concen: 1.115 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	9.2	5.3	15.9	
85	63.3	32.3	96.8	





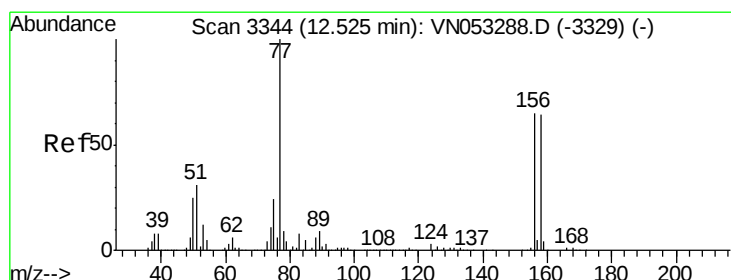
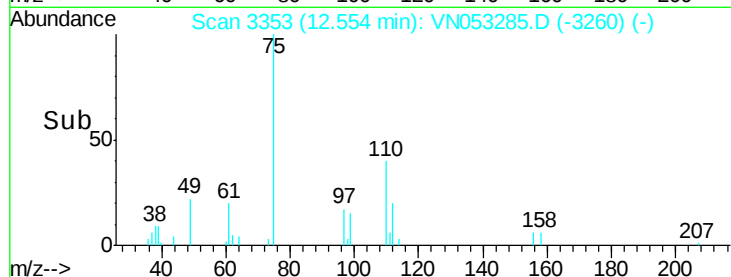
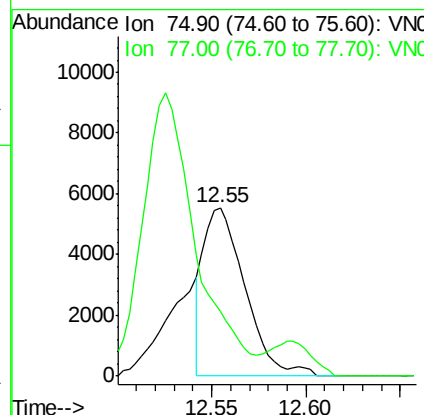
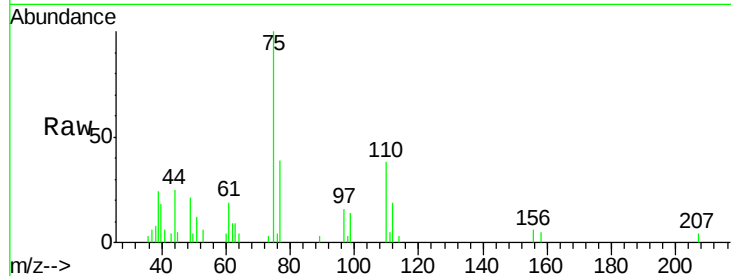
#76
 1,2,3-Trichloropropane
 Concen: 1.177 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 75 Resp: 8532
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

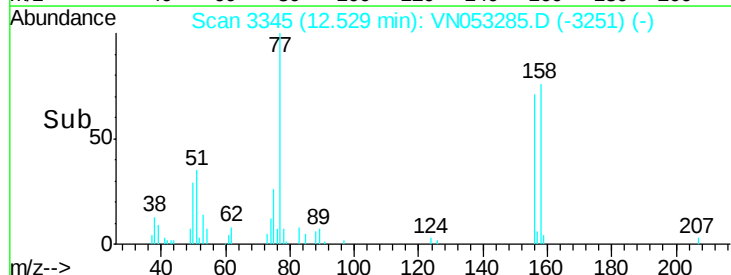
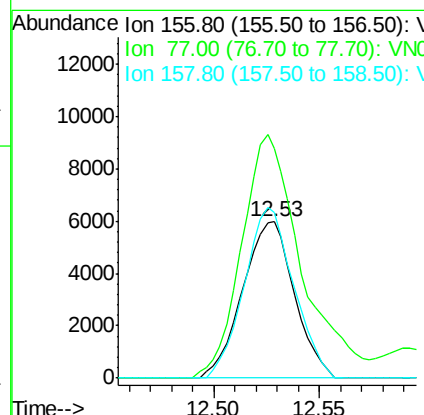
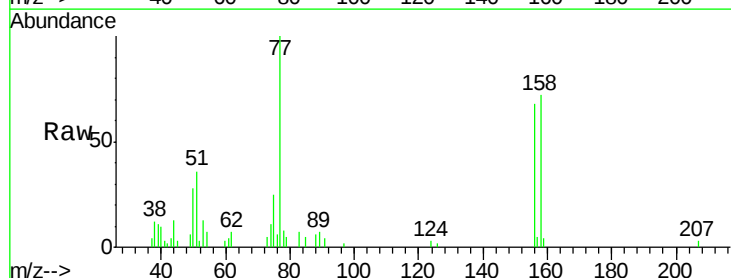
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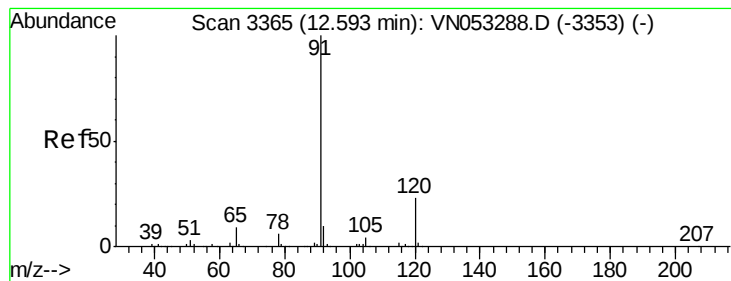
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#77
 Bromobenzene
 Concen: 1.007 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Tgt Ion: 156 Resp: 10183
 Ion Ratio Lower Upper
 156 100
 77 180.5 89.3 268.1
 158 104.3 48.9 146.8





#78

n-propylbenzene

Concen: 0.935 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 41218

Ion Ratio Lower Upper

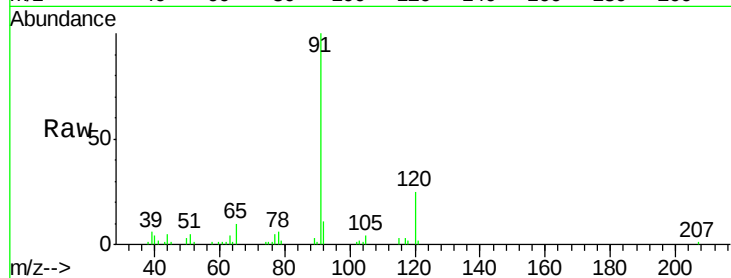
91 100

120 23.7 11.5 34.5

Manual Integrations
APPROVED

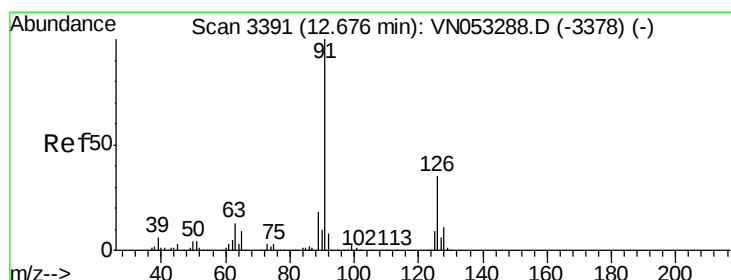
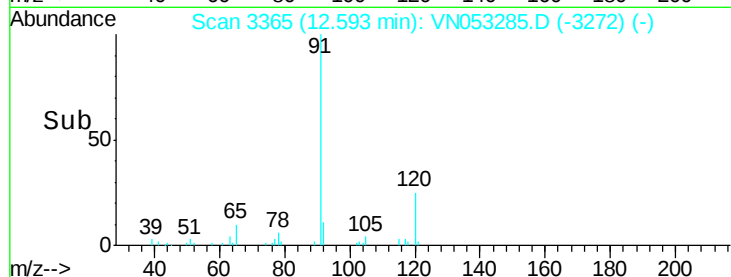
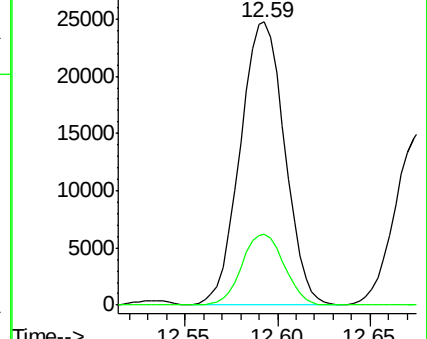
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.998 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053285.D

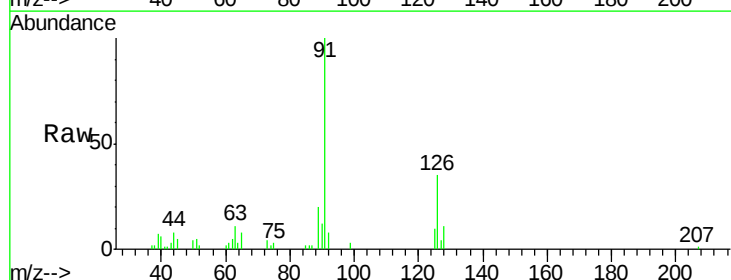
Acq: 4 Jan 2019 17:15

Tgt Ion: 91 Resp: 25993

Ion Ratio Lower Upper

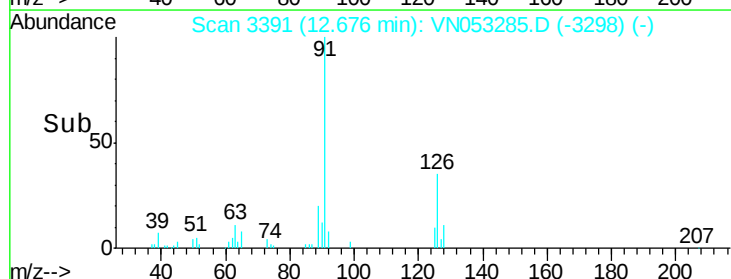
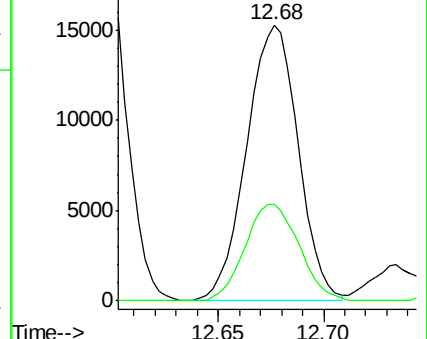
91 100

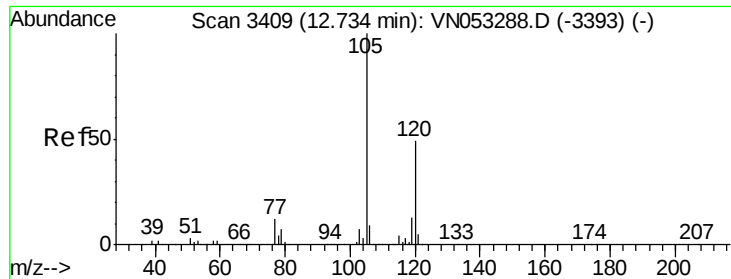
126 36.4 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.932 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 29029

Ion Ratio Lower Upper

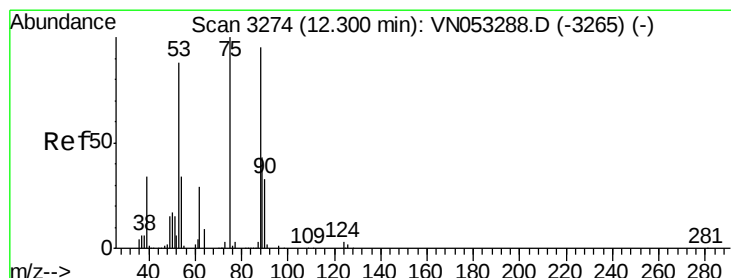
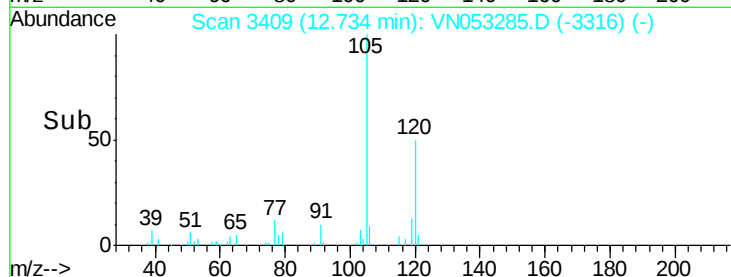
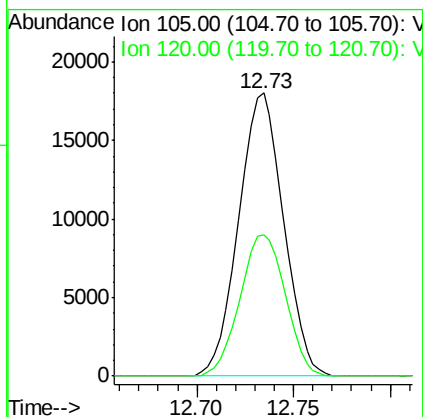
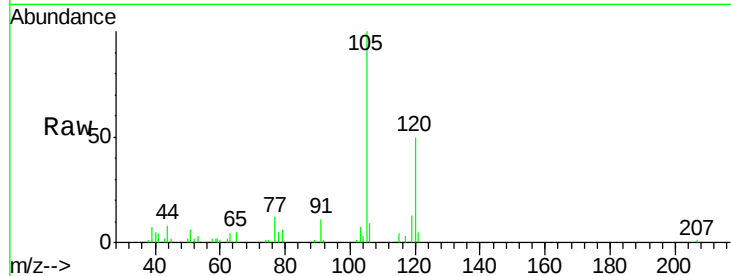
105 100

120 50.6 24.7 74.1

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1/8/2019 10:23:54 AM



#81

trans-1,4-Dichloro-2-butene

Concen: 0.781 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

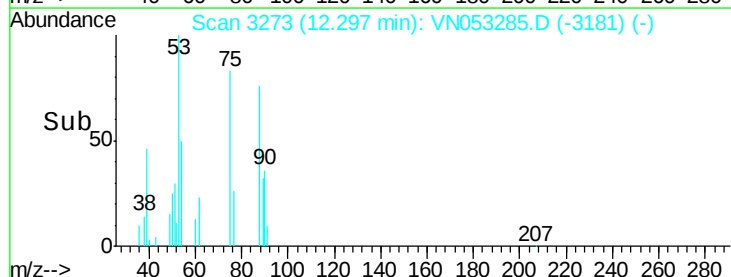
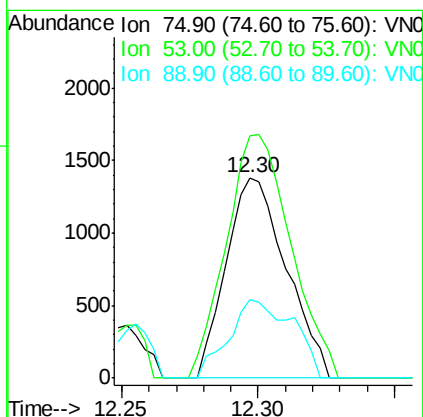
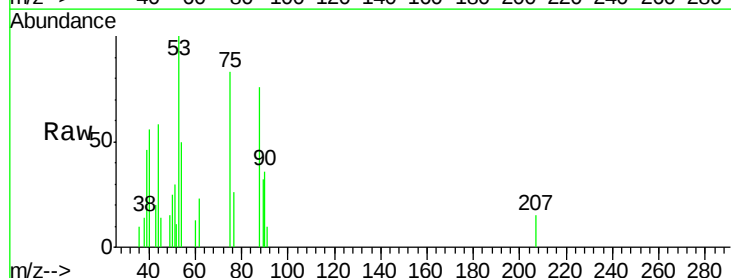
Tgt Ion: 75 Resp: 2110

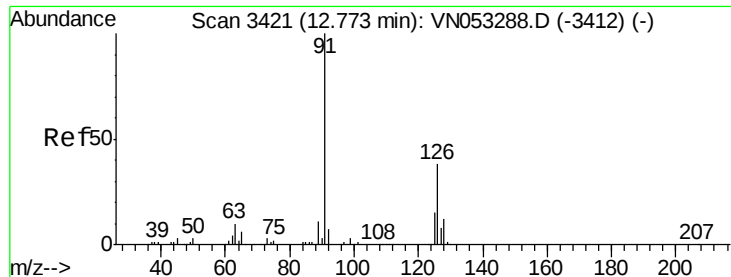
Ion Ratio Lower Upper

75 100

53 130.8 70.5 105.7#

89 41.7 35.4 53.0





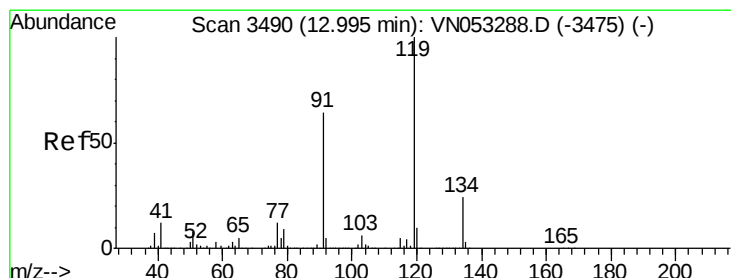
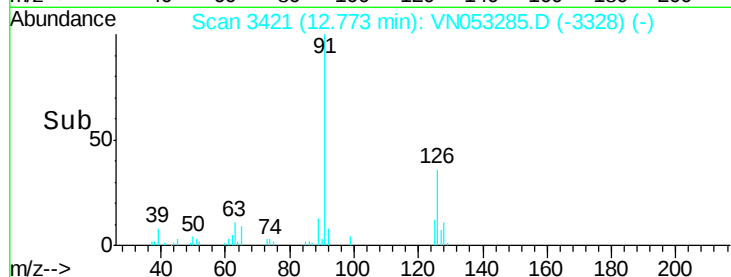
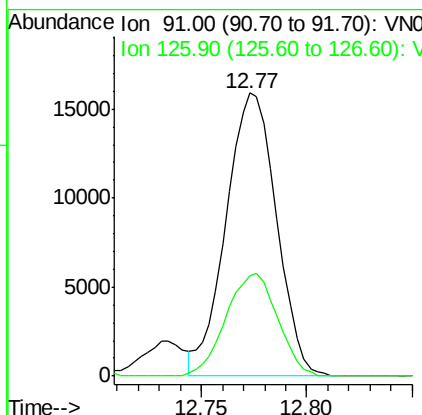
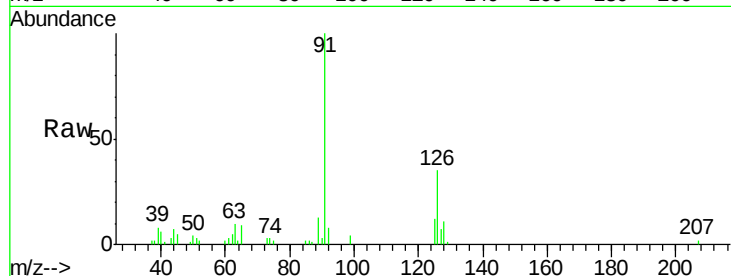
#82
4-Chlorotoluene
Concen: 0.989 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 26412
Ion Ratio Lower Upper
91 100
126 36.9 17.4 52.2

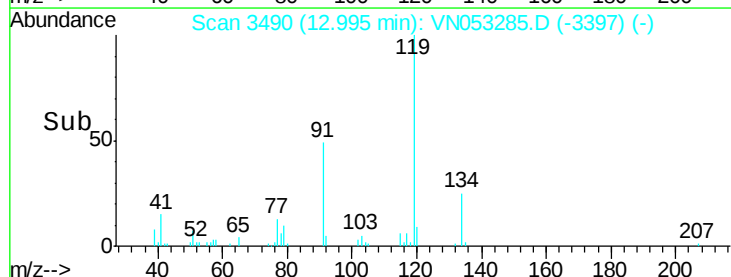
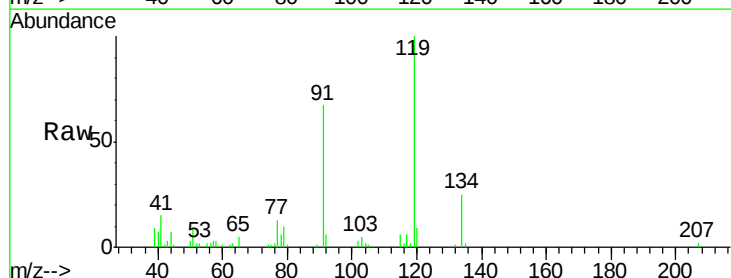
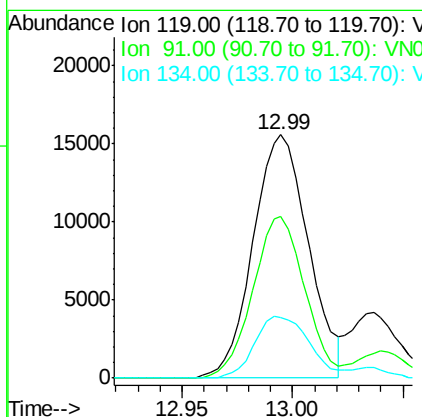
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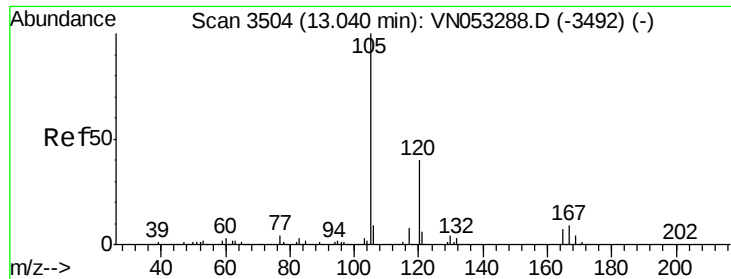
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#83
tert-Butylbenzene
Concen: 1.007 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion: 119 Resp: 27066
Ion Ratio Lower Upper
119 100
91 62.2 31.6 95.0
134 25.1 12.9 38.6





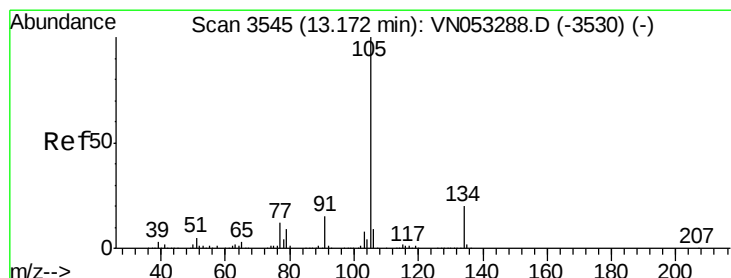
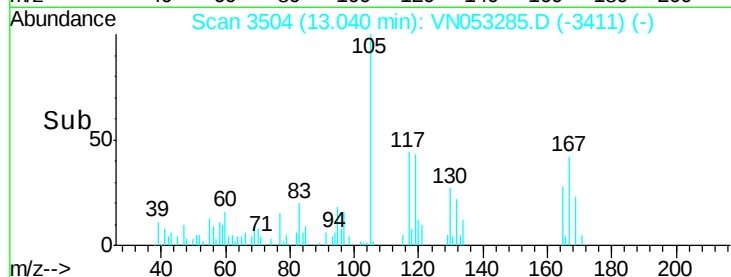
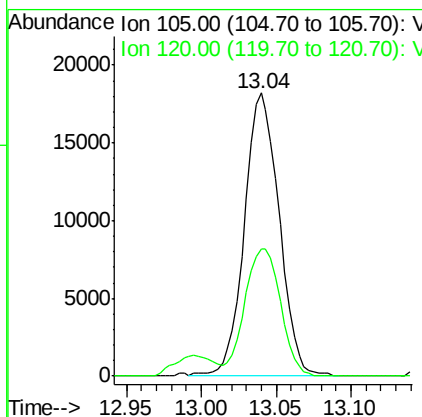
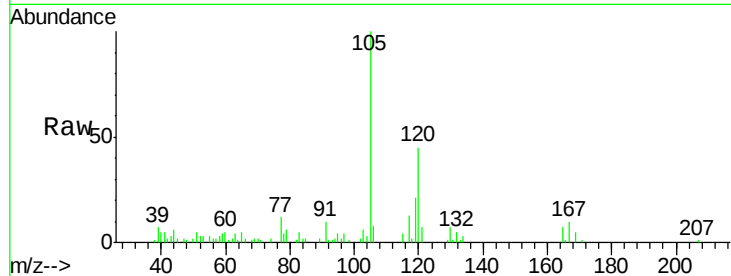
#84
 1,2,4-Trimethylbenzene
 Concen: 0.930 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.0	69.0

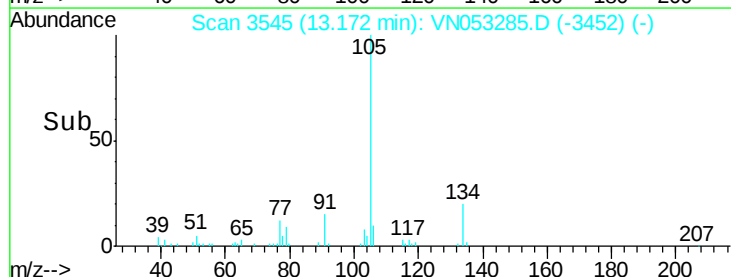
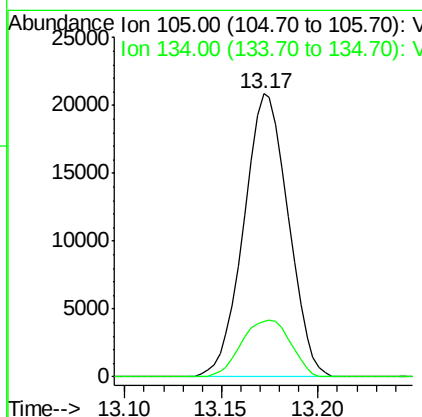
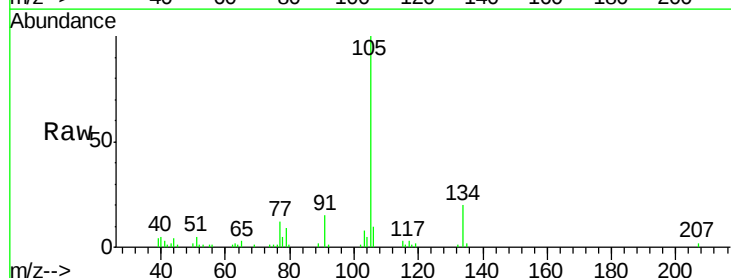
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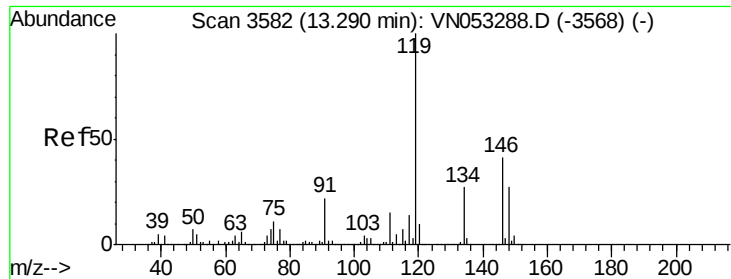
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#85
 sec-Butylbenzene
 Concen: 0.932 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
105	100		
134	22.0	10.2	30.6





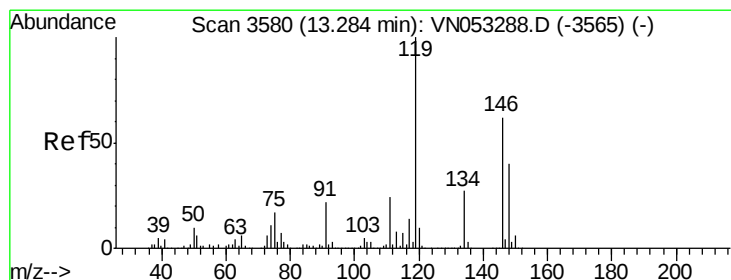
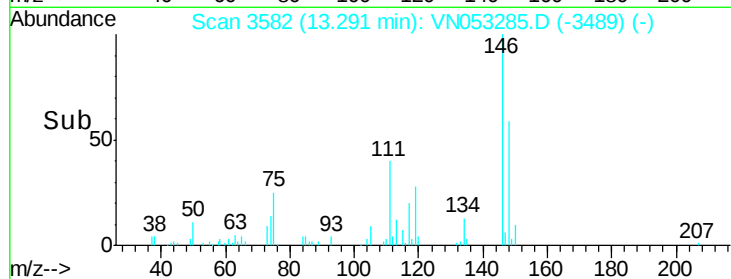
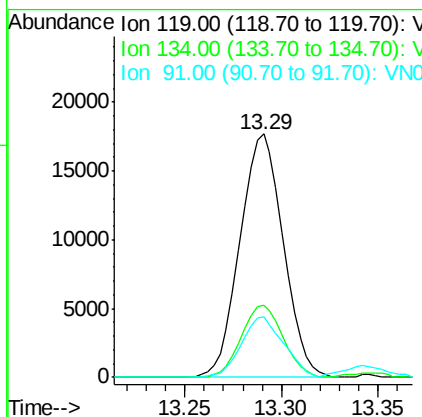
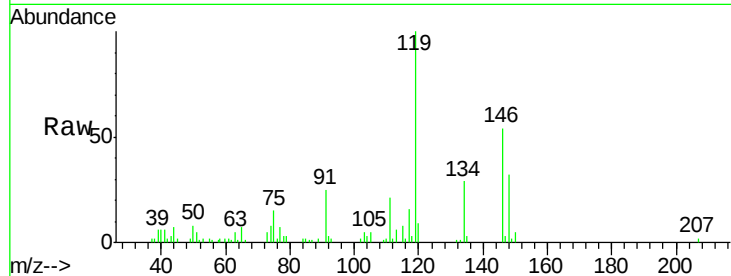
#86
 p-Isopropyltoluene
 Concen: 0.877 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.4	13.4	40.1
91	24.2	11.1	33.1

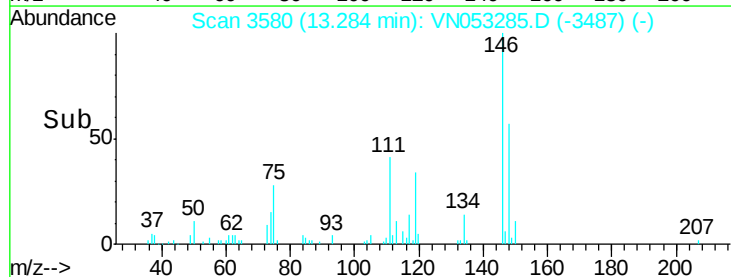
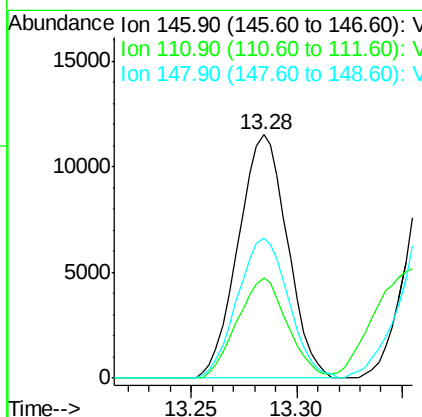
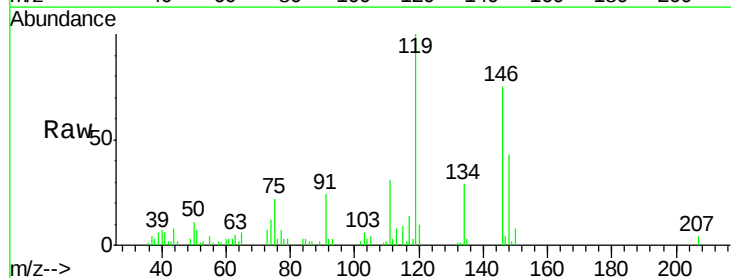
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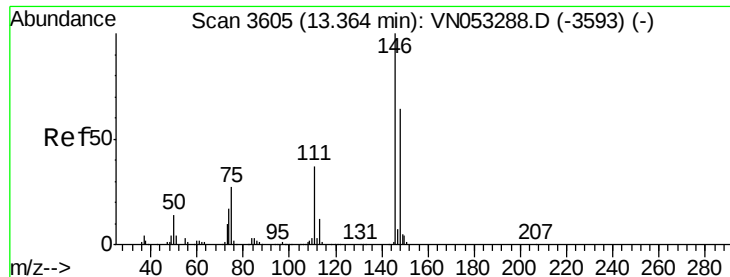
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#87
 1,3-Dichlorobenzene
 Concen: 1.052 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	18.9	56.5
148	59.9	32.0	96.2





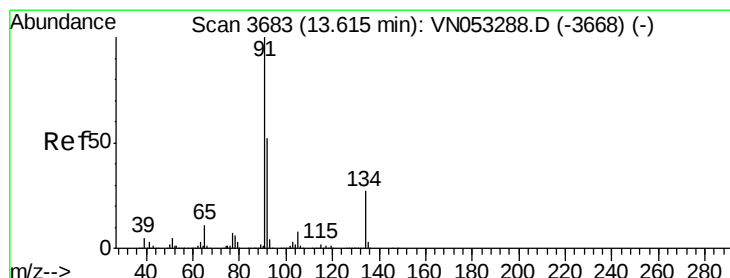
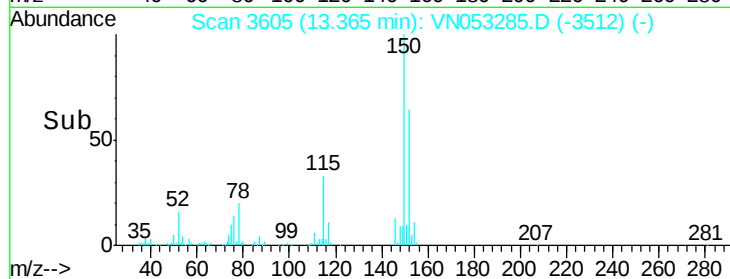
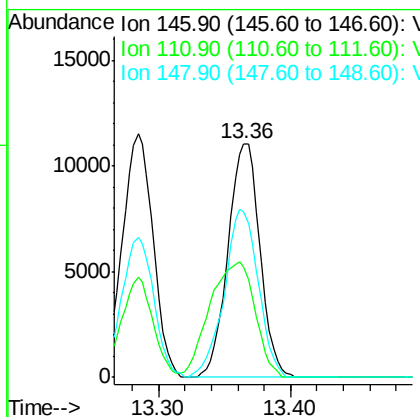
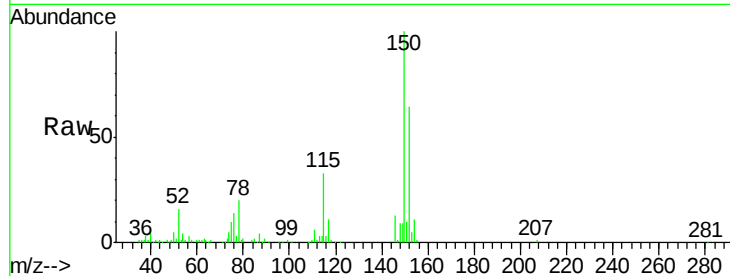
#88
 1,4-Dichlorobenzene
 Concen: 1.056 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	18.6	55.8
148	60.5	32.0	96.0

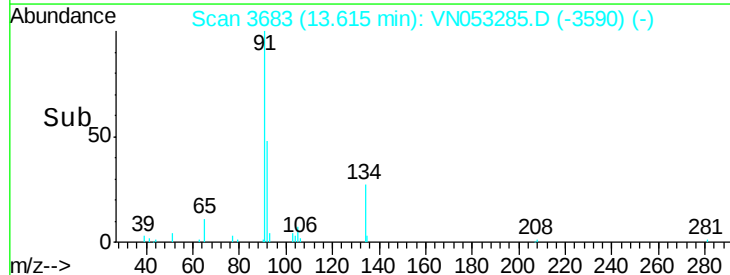
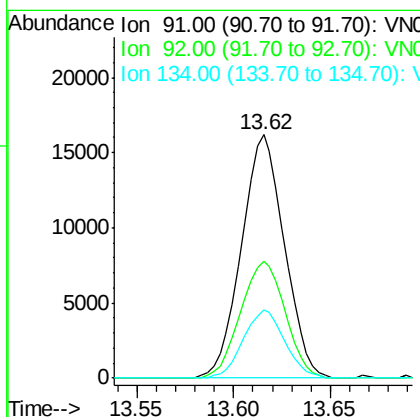
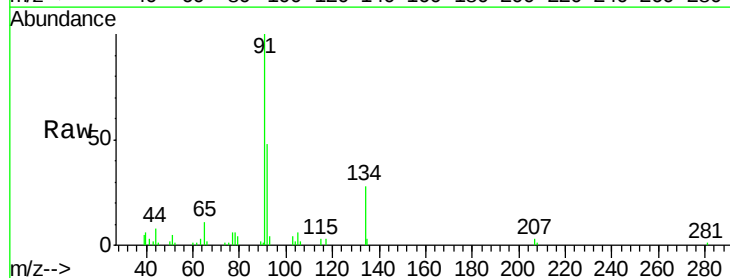
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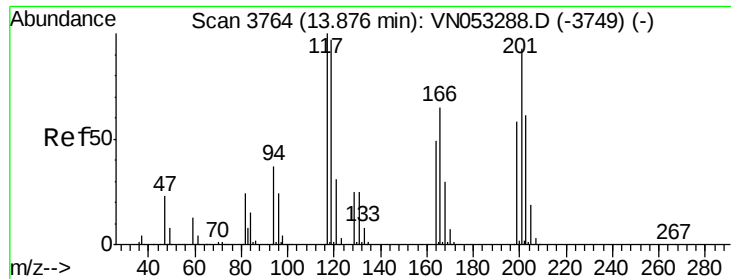
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#89
 n-Butylbenzene
 Concen: 0.958 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.8	26.3	78.8
134	27.2	13.5	40.5





#90

Hexachloroethane

Concen: 0.896 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:117 Resp: 4498

Ion Ratio Lower Upper

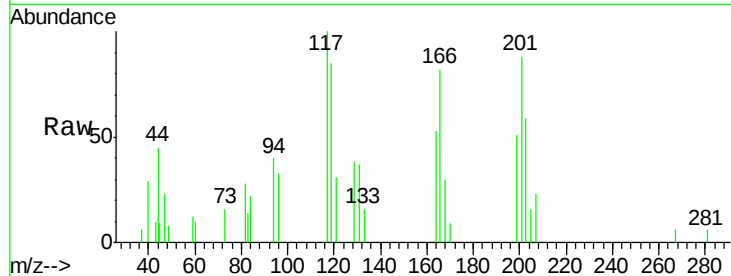
117 100

201 90.1 46.1 138.3

Manual Integrations
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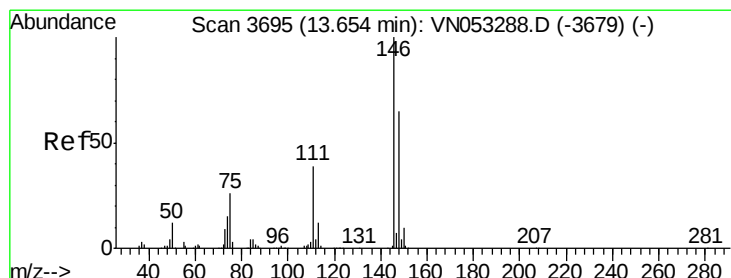
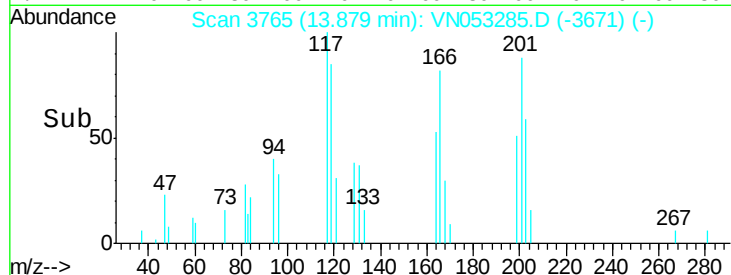
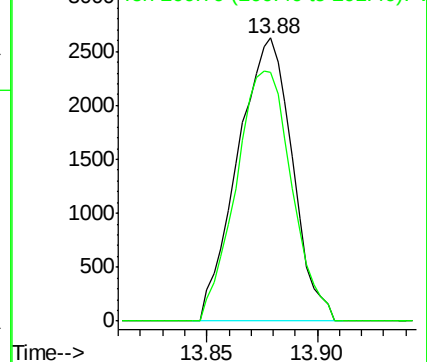
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 1.051 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053285.D

Acq: 4 Jan 2019 17:15

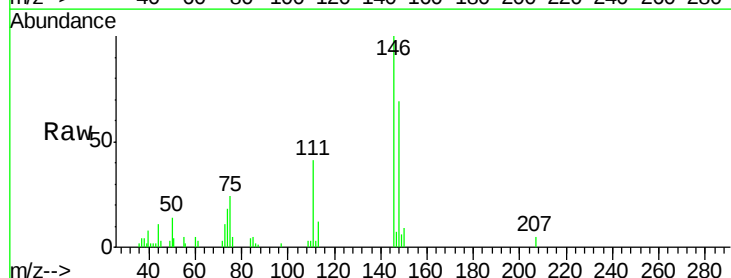
Tgt Ion:146 Resp: 17648

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.2

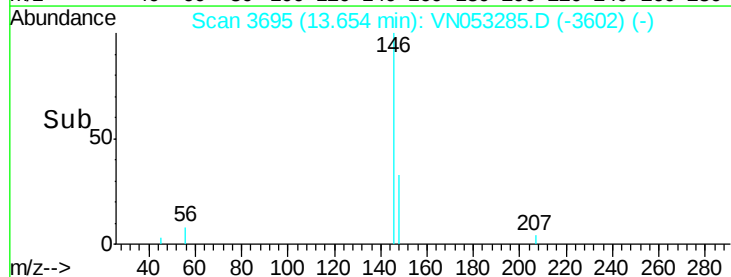
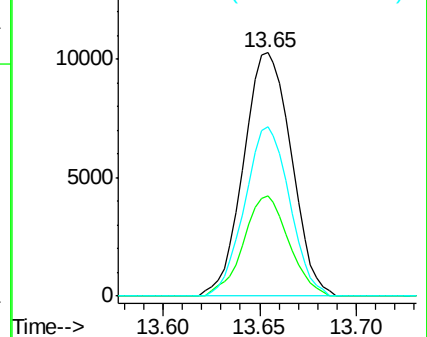
148 65.6 32.2 96.6

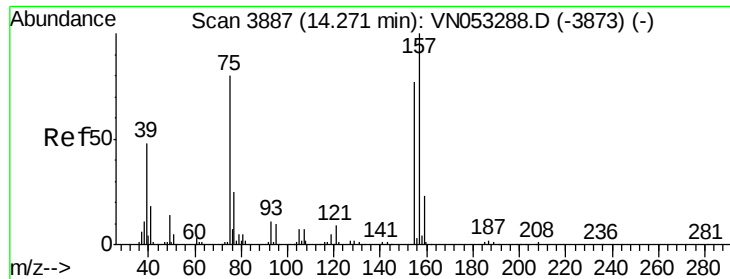


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





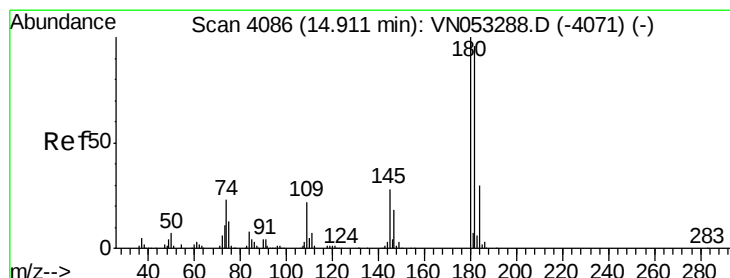
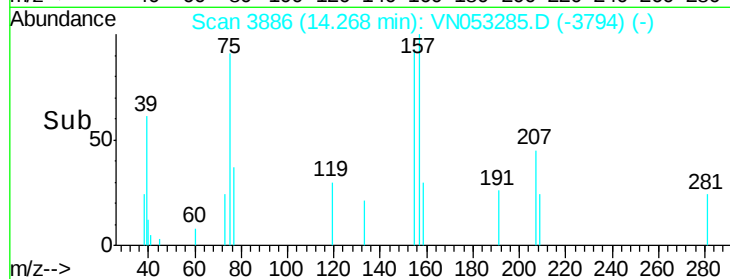
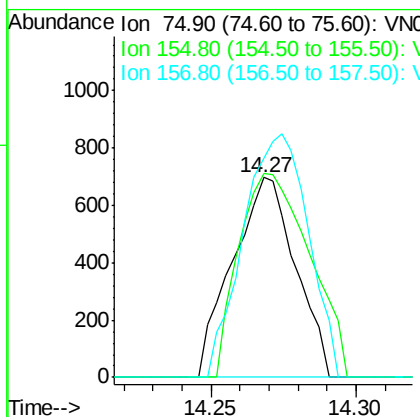
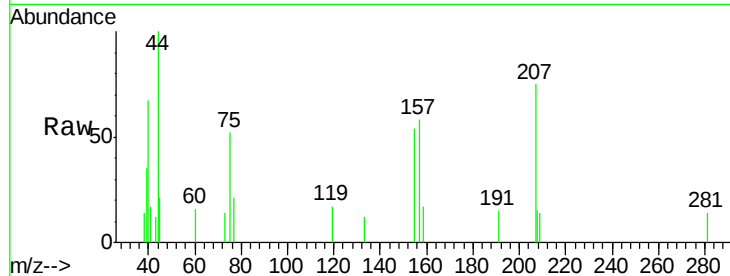
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.940 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	114.6	48.1	144.3
157	125.3	61.5	184.4

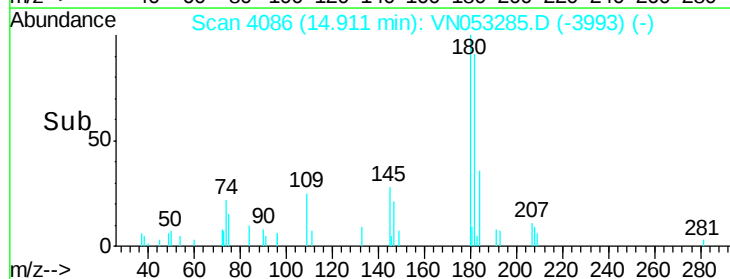
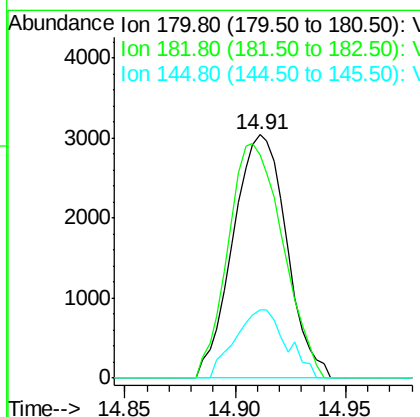
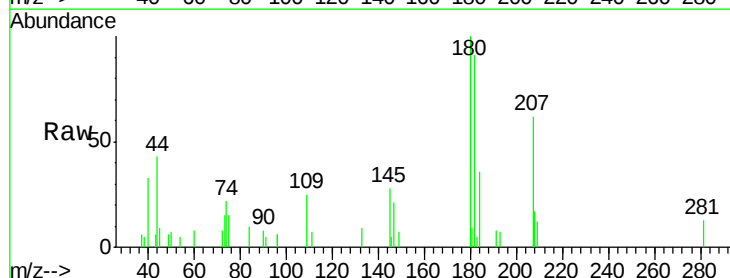
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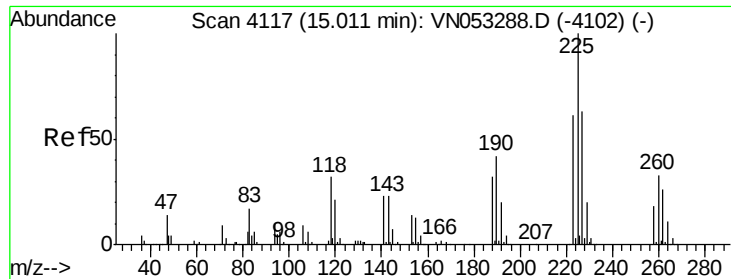
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.922 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.8	143.4
145	26.7	14.4	43.0





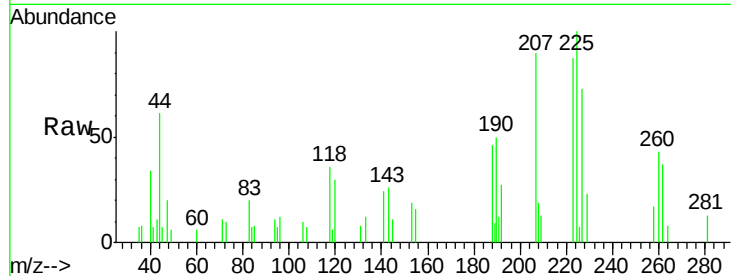
#94
Hexachlorobutadiene
Concen: 1.030 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

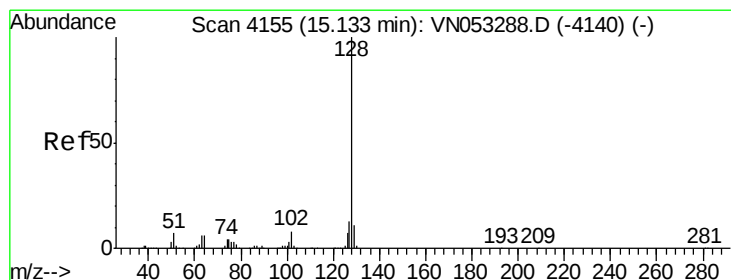
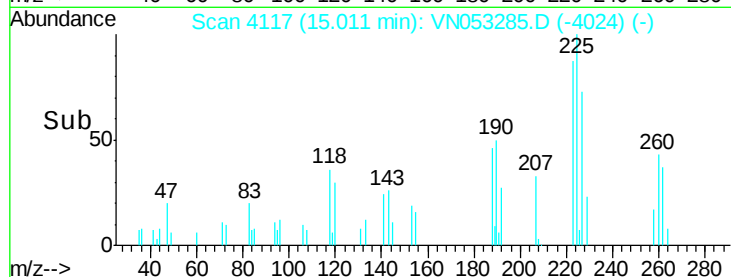
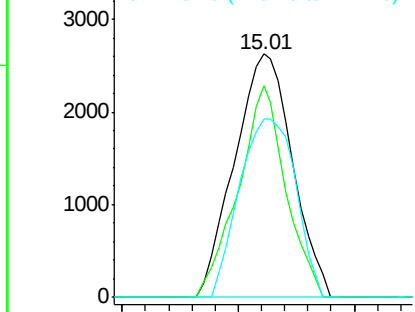
Tot Ion	Ratio	Lower	Upper
225	100		
223	71.5	30.9	92.8
227	71.4	31.4	94.2

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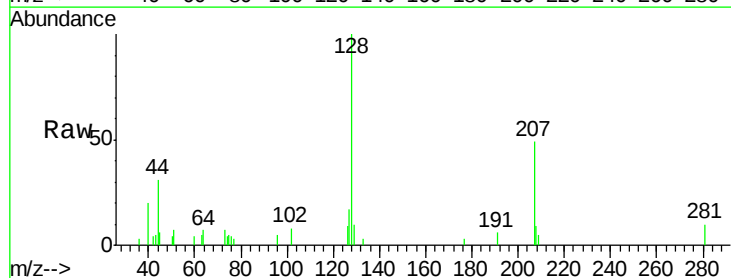


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

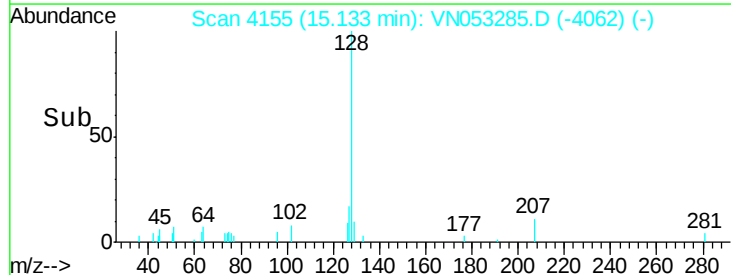
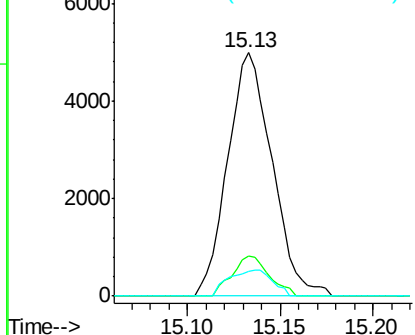


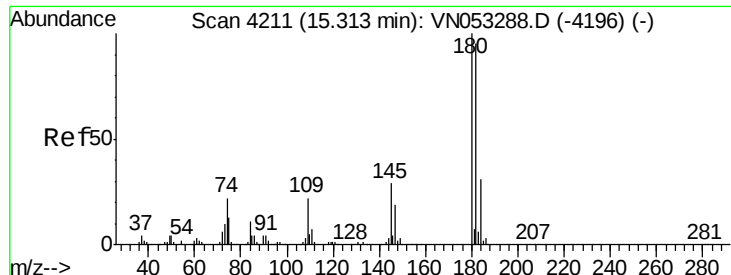
#95
Naphthalene
Concen: 0.862 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053285.D
Acq: 4 Jan 2019 17:15

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	10.4	8.7	13.1



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





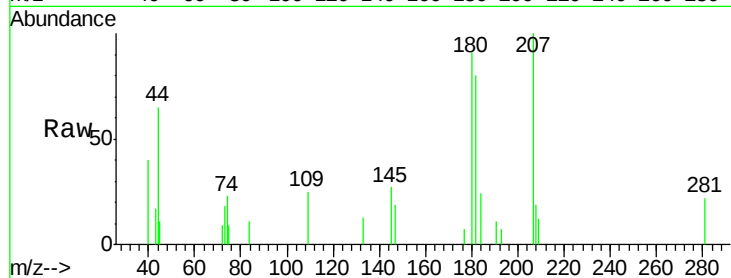
#96
 1,2,3-Trichlorobenzene
 Concen: 0.996 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN053285.D
 Acq: 4 Jan 2019 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.3	48.4	145.0
145	16.5	14.9	44.5

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

