

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055285.D
 Acq On : 29 Apr 2019 11:07
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:58:57 AM

Quant Time: Apr 30 03:57:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 03:41:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	414774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	660851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204362	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	111718	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
35) Dibromofluoromethane	7.59	113	88352	19.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.80%	
50) Toluene-d8	10.09	98	321307	19.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.06%	
62) 4-Bromofluorobenzene	12.40	95	98859	19.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	105251	20.000	ug/l	97
3) Chloromethane	2.06	50	126562	19.641	ug/l	99
4) Vinyl Chloride	2.19	62	99185	19.225	ug/l	99
5) Bromomethane	2.56	94	53417	17.737	ug/l	99
6) Chloroethane	2.70	64	52420	19.123	ug/l	99
7) Trichlorofluoromethane	3.02	101	140578	19.862	ug/l	96
8) Diethyl Ether	3.42	74	49111	19.455	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	82755	18.741	ug/l	98
10) Methyl Iodide	3.96	142	121628	19.776	ug/l	99
11) Tert butyl alcohol	4.79	59	31684	97.580	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	78243	18.584	ug/l	98
13) Acrolein	3.61	56	24646	61.070	ug/l	98
14) Allyl chloride	4.33	41	165396	19.672	ug/l	99
15) Acrylonitrile	4.99	53	176311	98.826	ug/l	99
16) Acetone	3.82	43	164688	92.638	ug/l	98
17) Carbon Disulfide	4.06	76	208168	17.850	ug/l	97
18) Methyl Acetate	4.33	43	86544	17.083	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	231382	19.674	ug/l	100
20) Methylene Chloride	4.55	84	97781	18.476	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	83711	18.952	ug/l	94
22) Diisopropyl ether	5.95	45	338080	20.109	ug/l	96
23) Vinyl Acetate	5.90	43	1132512	100.923	ug/l	100
24) 1,1-Dichloroethane	5.85	63	174489	19.414	ug/l	99
25) 2-Butanone	6.84	43	218338	92.963	ug/l	99
26) 2,2-Dichloropropane	6.83	77	119338	19.513	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	97894	19.141	ug/l	99
28) Bromochloromethane	7.19	49	91289	19.911	ug/l	98
29) Tetrahydrofuran	7.21	42	140046	95.853	ug/l	99
30) Chloroform	7.37	83	167722	19.595	ug/l	99
31) Cyclohexane	7.65	56	163166	15.859	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	134637	19.616	ug/l	99
36) 1,1-Dichloropropene	7.79	75	122460	20.233	ug/l	98
37) Ethyl Acetate	6.93	43	93620	19.155	ug/l	98
38) Carbon Tetrachloride	7.77	117	114446	20.044	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	131941	18.304	ug/l	98
40) Benzene	8.04	78	365253	19.434	ug/l	99
41) Methacrylonitrile	7.18	41	51546	20.064	ug/l #	90
42) 1,2-Dichloroethane	8.12	62	129759	19.783	ug/l	100
43) Isopropyl Acetate	8.17	43	156223	19.638	ug/l	98
44) Trichloroethene	8.83	130	91541	19.315	ug/l	96
45) 1,2-Dichloropropane	9.12	63	104215	19.590	ug/l	99
46) Dibromomethane	9.21	93	58877	19.439	ug/l	100
47) Bromodichloromethane	9.40	83	124076	20.370	ug/l	97
48) Methyl methacrylate	9.20	41	73257	18.879	ug/l	97
49) 1,4-Dioxane	9.20	88	16949	387.209	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	443353	96.877	ug/l	99
52) Toluene	10.16	92	214606	19.575	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	109433	19.584	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	138102	19.917	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	80316	19.756	ug/l	97
56) Ethyl methacrylate	10.43	69	98158	19.440	ug/l	99
57) 1,3-Dichloropropane	10.71	76	139418	19.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	133208	85.478	ug/l	100
59) 2-Hexanone	10.75	43	277588	97.172	ug/l	99
60) Dibromochloromethane	10.90	129	81284	19.385	ug/l	100
61) 1,2-Dibromoethane	11.00	107	72793	19.126	ug/l	98
64) Tetrachloroethene	10.63	164	89532	19.518	ug/l	99
65) Chlorobenzene	11.43	112	216574	18.888	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82886	19.414	ug/l	99
67) Ethyl Benzene	11.51	91	395800	19.365	ug/l	98
68) m/p-Xylenes	11.62	106	284454	38.930	ug/l	99
69) o-Xylene	11.95	106	142272	19.600	ug/l	99
70) Styrene	11.96	104	225605	20.097	ug/l	100
71) Bromoform	12.13	173	47869	18.964	ug/l #	95
73) Isopropylbenzene	12.25	105	377805	19.192	ug/l	99
74) N-amyl acetate	12.07	43	103703	19.703	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94966	18.289	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	87496m	20.856	ug/l	
77) Bromobenzene	12.53	156	86242	19.162	ug/l	99
78) n-propylbenzene	12.59	91	403951	19.676	ug/l	100
79) 2-Chlorotoluene	12.67	91	252074	19.446	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	306068	20.000	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19992	18.246	ug/l	86
82) 4-Chlorotoluene	12.77	91	234928	19.780	ug/l	99
83) tert-Butylbenzene	12.99	119	261709	19.105	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	288340	19.992	ug/l	99
85) sec-Butylbenzene	13.17	105	335464	19.358	ug/l	100
86) p-Isopropyltoluene	13.29	119	280928	19.706	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	136150	19.815	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	126034	18.812	ug/l	99
89) n-Butylbenzene	13.61	91	198814	18.935	ug/l	98
90) Hexachloroethane	13.87	117	47675	18.751	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	136974	19.438	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11661	18.839	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41181	16.808	ug/l	96
94) Hexachlorobutadiene	15.01	225	46340	18.195	ug/l	99
95) Naphthalene	15.13	128	86113	16.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43379	17.050	ug/l	97

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

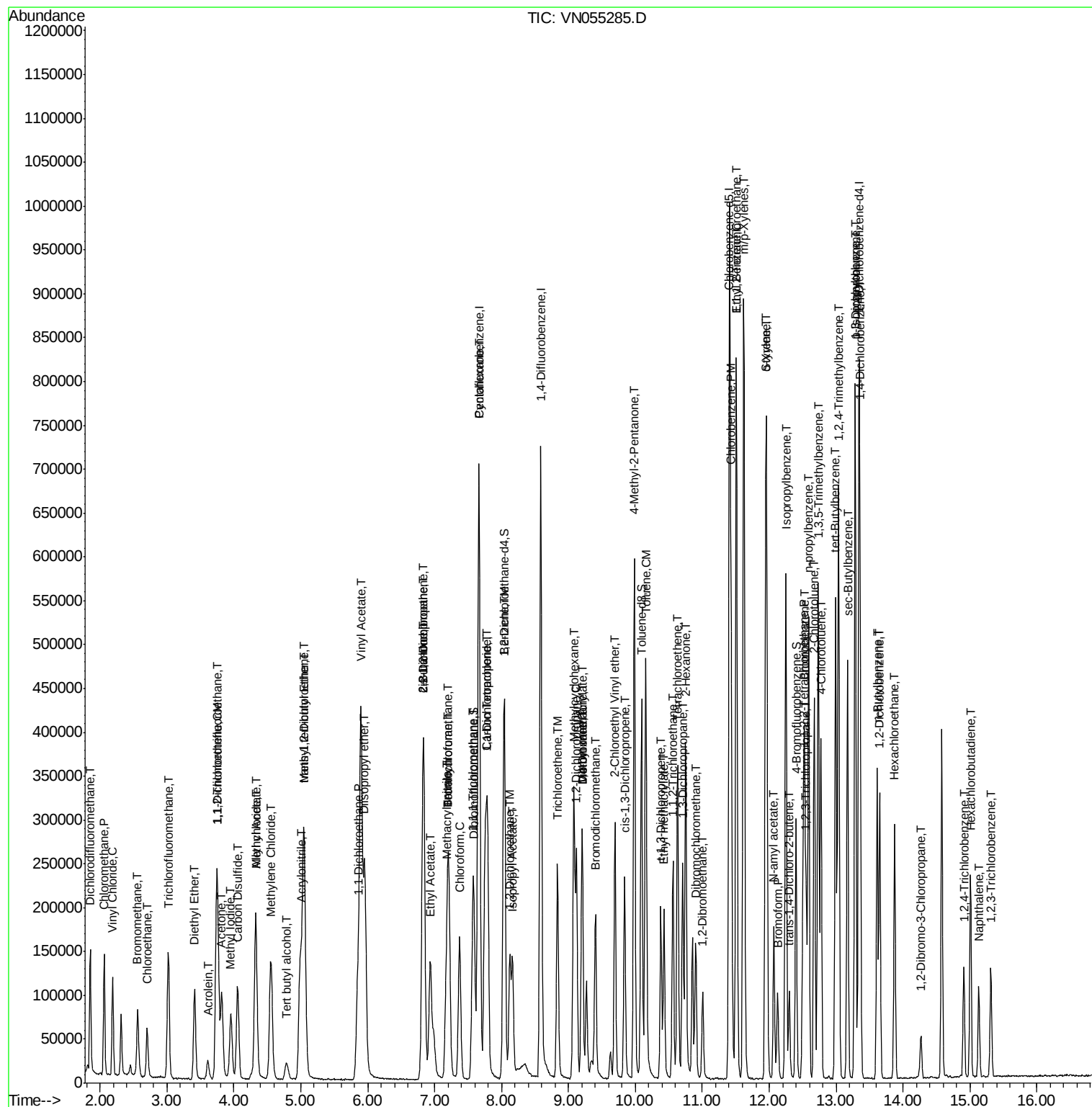
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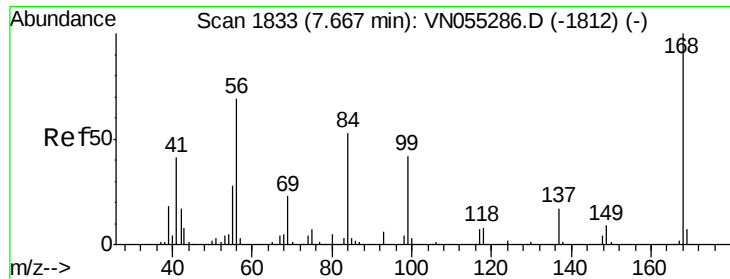
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 414774

Ion Ratio Lower Upper

168 100

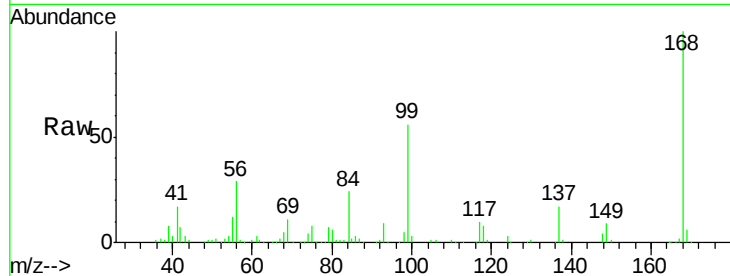
99 54.9 43.6 65.4

Manual Integrations

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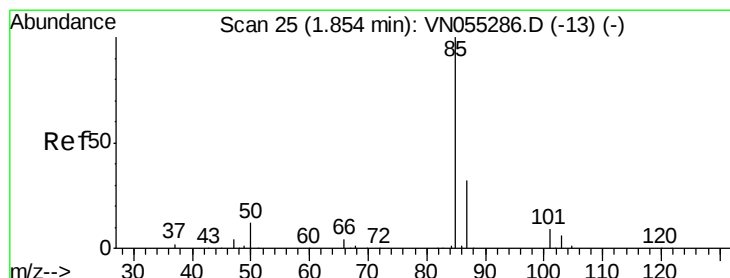
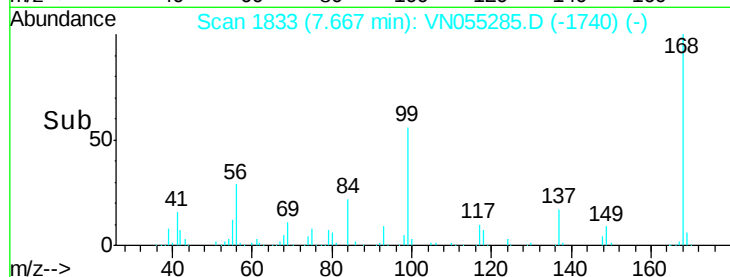
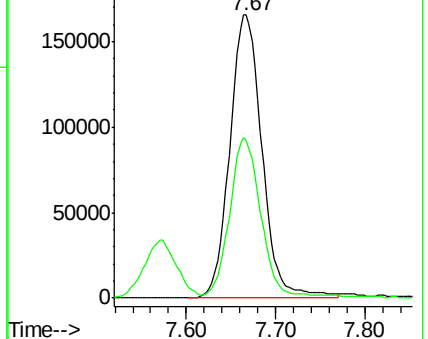
MMDadoda

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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: 20.000 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055285.D

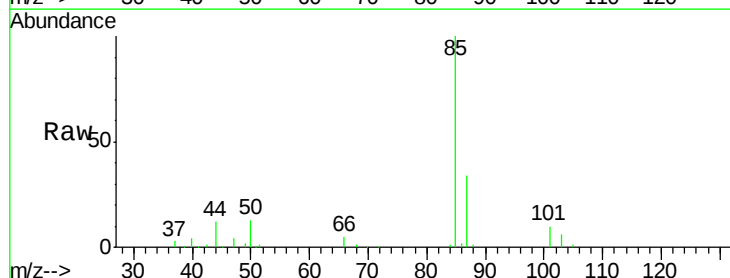
Acq: 29 Apr 2019 11:07

Tgt Ion: 85 Resp: 105251

Ion Ratio Lower Upper

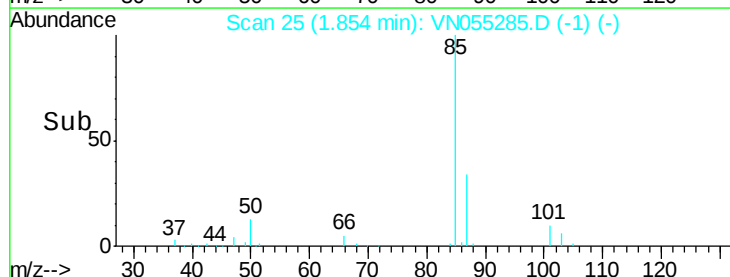
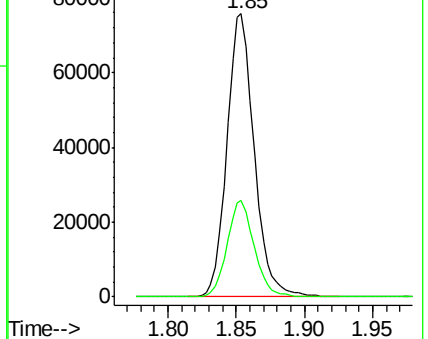
85 100

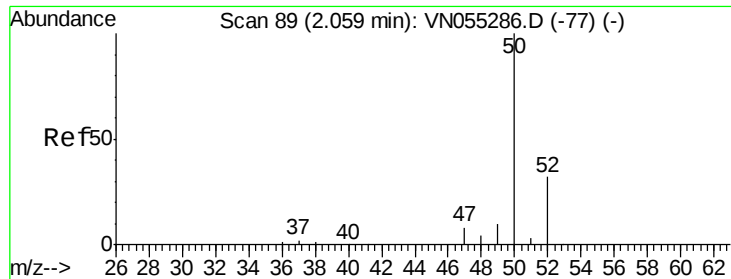
87 34.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.641 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 126562

Ion Ratio Lower Upper

50 100

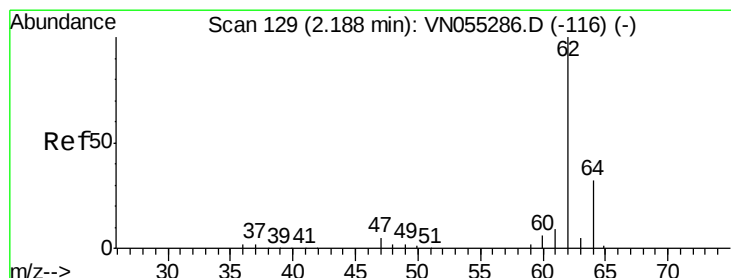
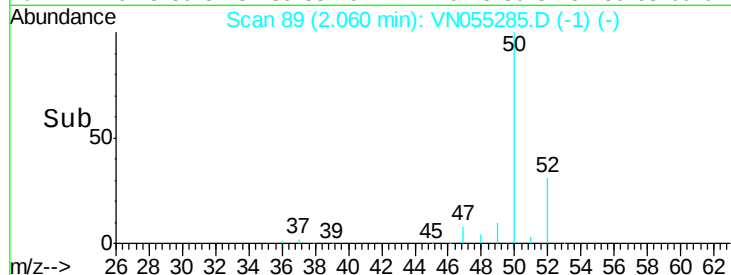
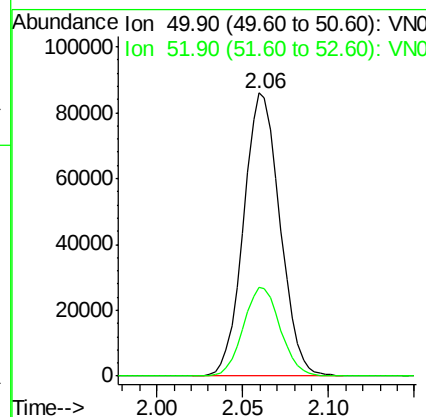
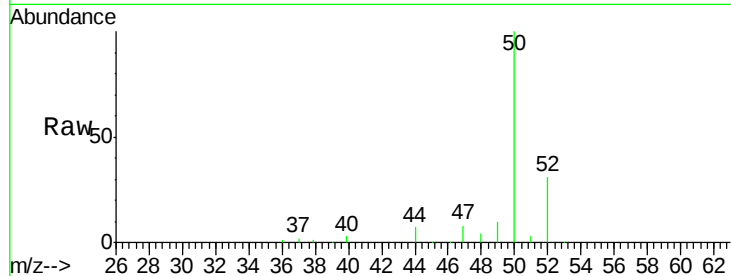
52 31.4 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.225 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055285.D

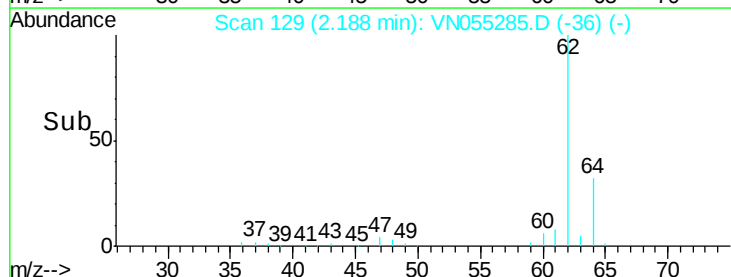
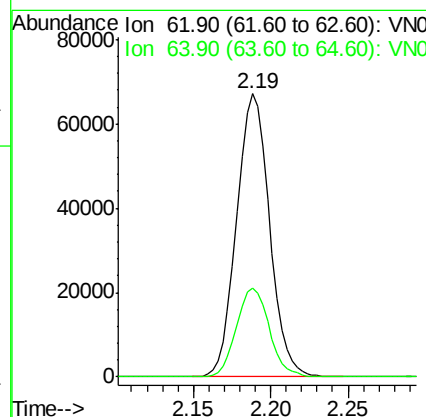
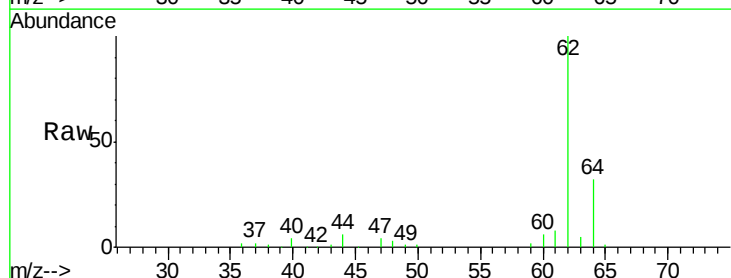
Acq: 29 Apr 2019 11:07

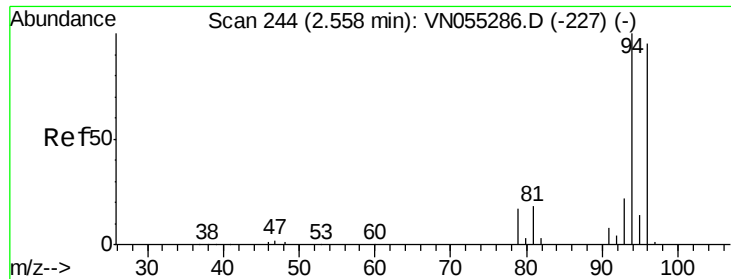
Tgt Ion: 62 Resp: 99185

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 17.737 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

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Tot Ion: 94 Resp: 53417

Ion Ratio Lower Upper

94 100

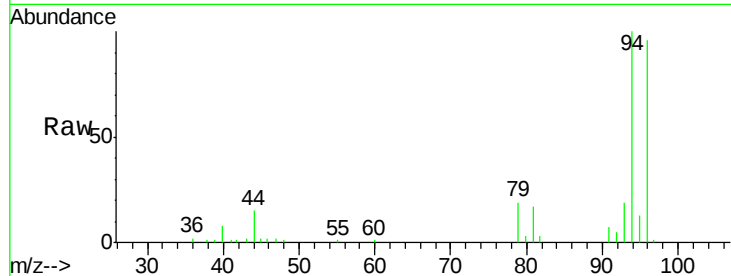
96 95.9 76.0 114.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

25000

20000

15000

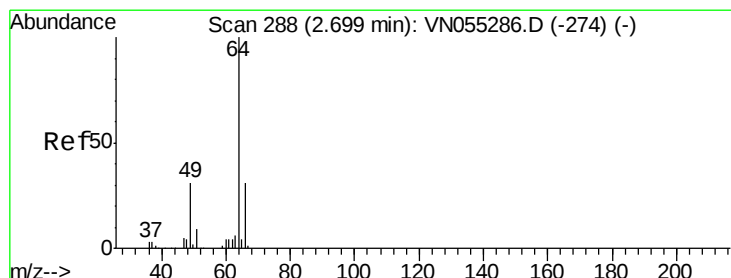
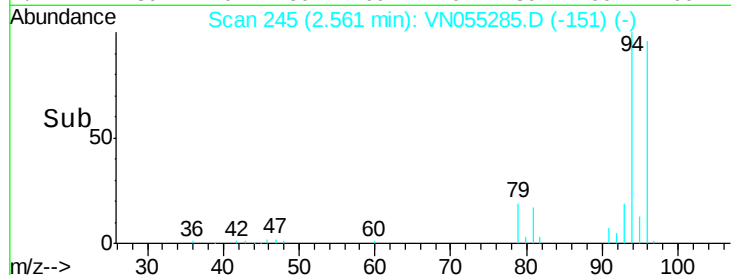
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5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.123 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055285.D

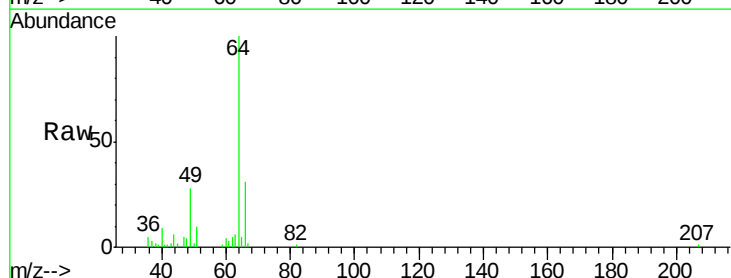
Acq: 29 Apr 2019 11:07

Tgt Ion: 64 Resp: 52420

Ion Ratio Lower Upper

64 100

66 30.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.70

30000

25000

20000

15000

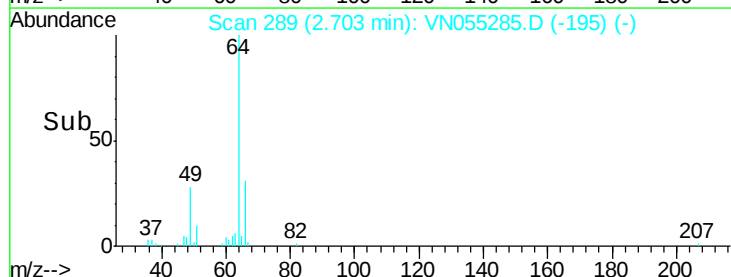
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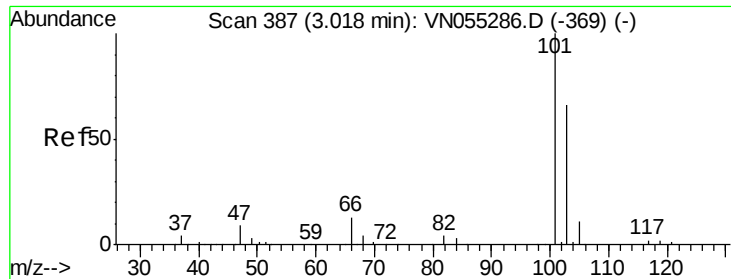
5000

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Time-->

2.60 2.65 2.70 2.75 2.80





#7

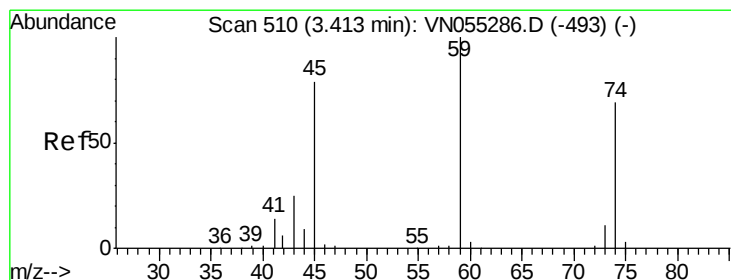
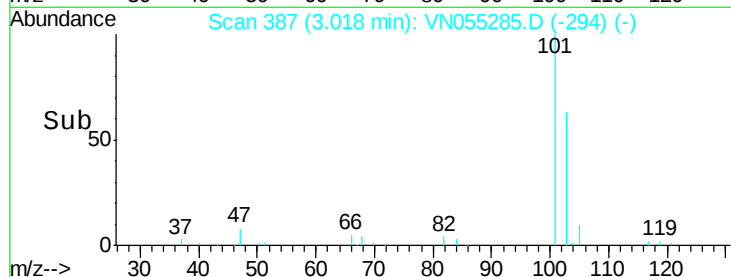
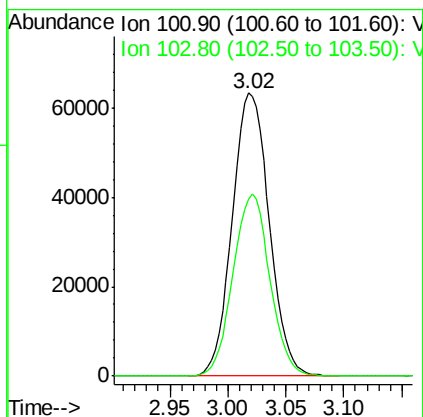
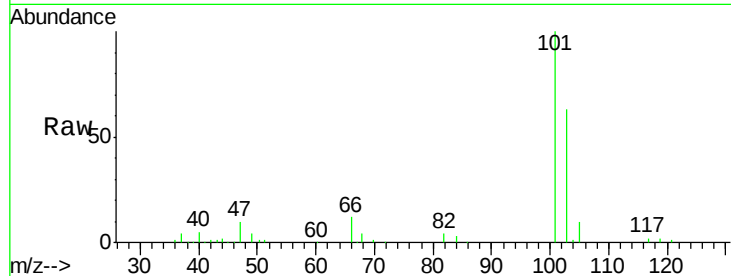
Trichlorofluoromethane
 Concen: 19.862 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

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Tot Ion:101 Resp: 140578
 Ion Ratio Lower Upper
 101 100
 103 62.7 52.6 79.0

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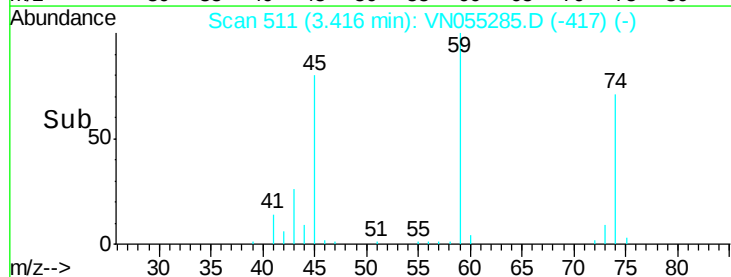
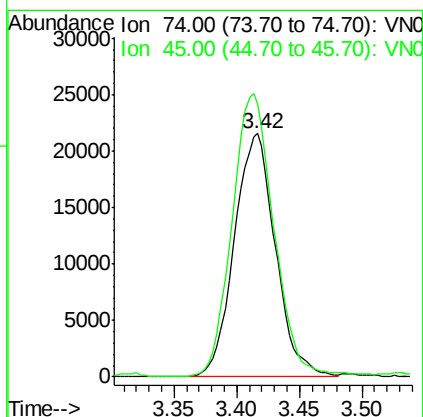
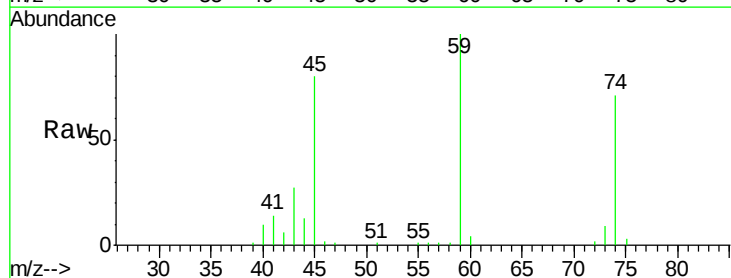
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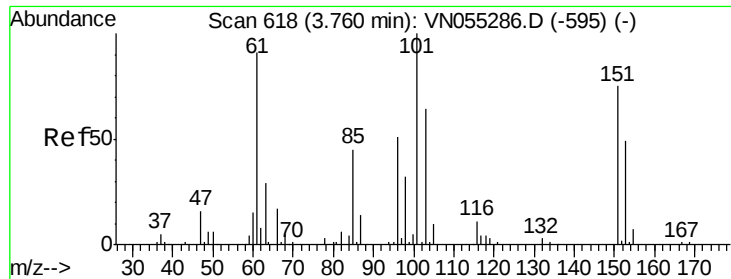


#8

Diethyl Ether
 Concen: 19.455 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion: 74 Resp: 49111
 Ion Ratio Lower Upper
 74 100
 45 119.0 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.741 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

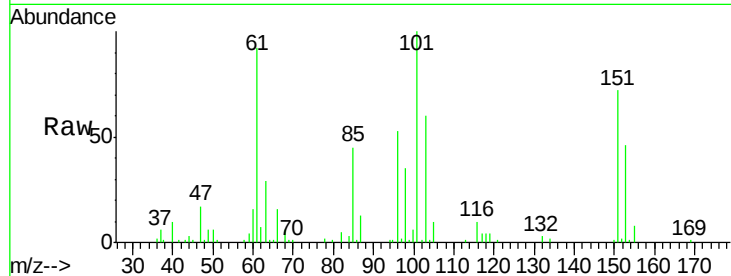
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	82755
Ion Ratio	Lower	Upper	
101	100		
85	46.4	35.7	53.5
151	80.0	63.3	94.9

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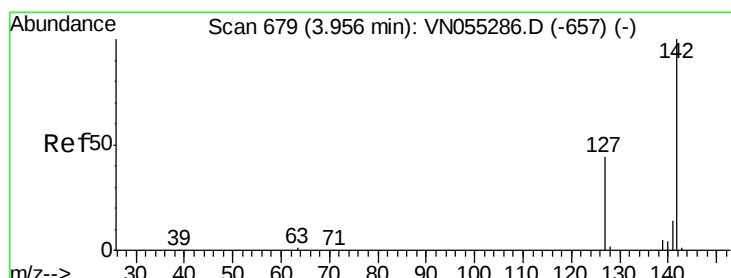
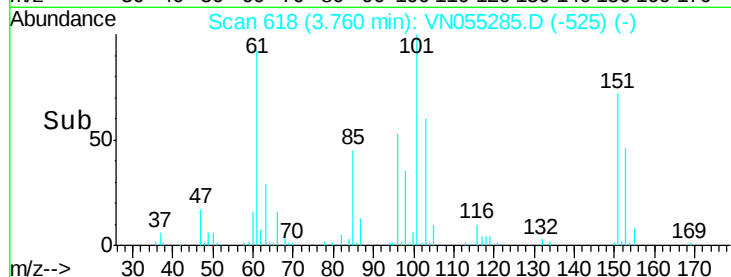
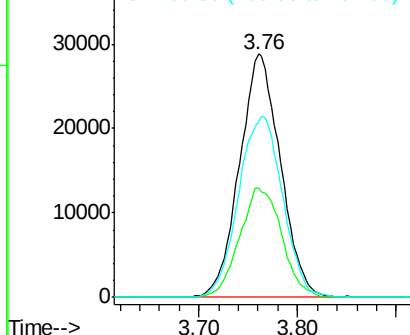


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.776 ug/l

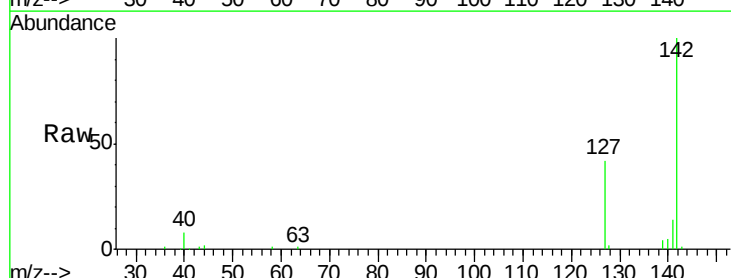
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Tgt Ion:	142	Resp:	121628
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.4	51.6
141	13.9	11.5	17.3

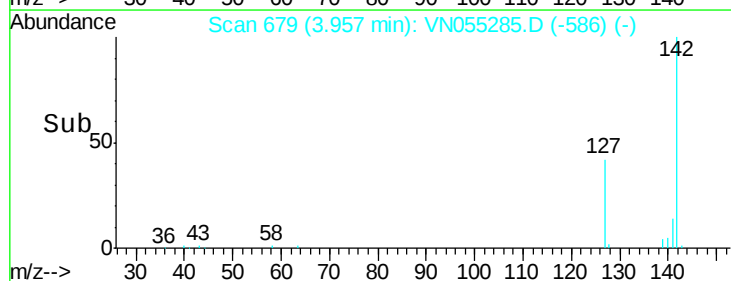
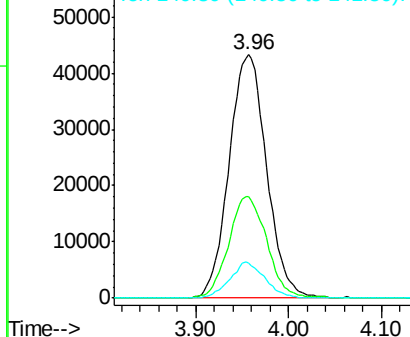


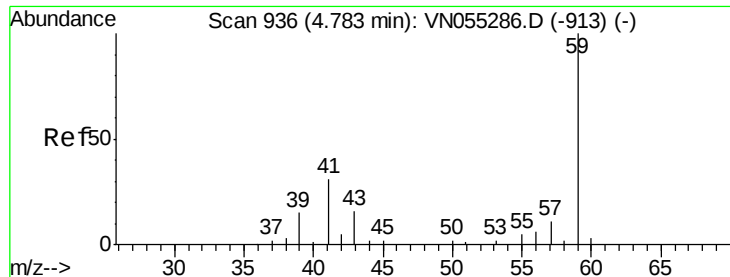
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





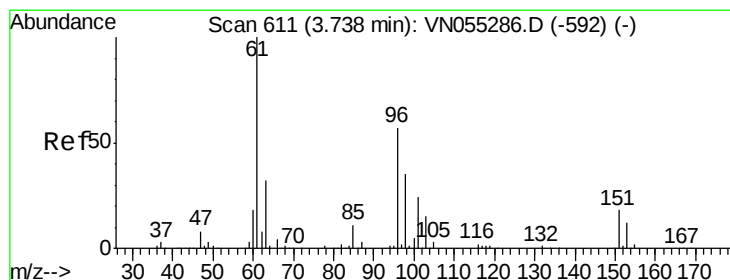
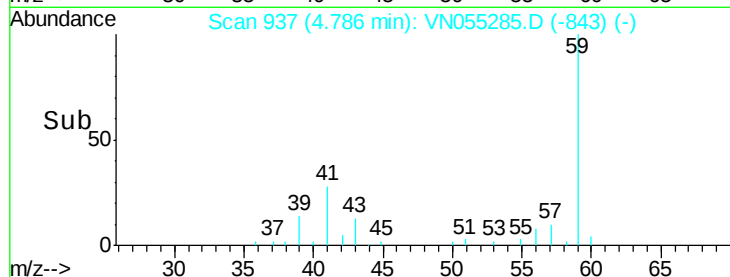
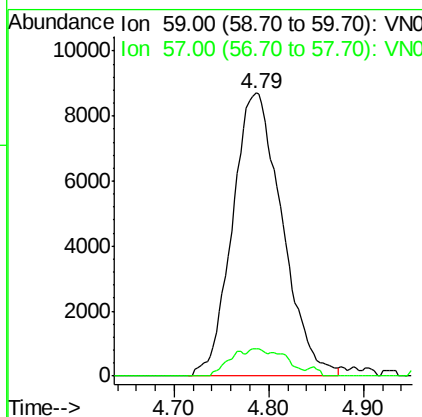
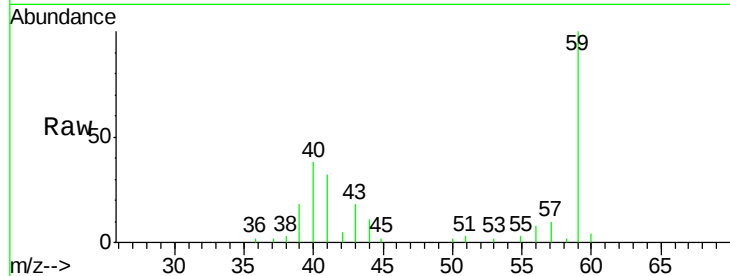
#11
Tert butyl alcohol
Concen: 97.580 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 31684
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

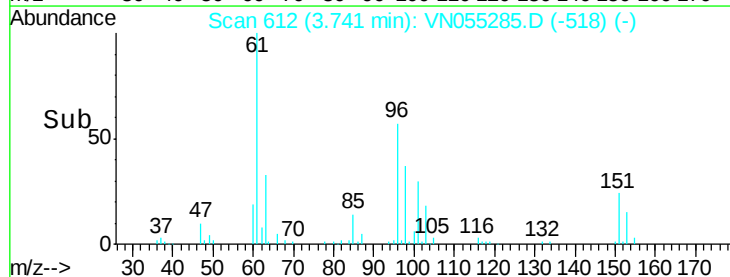
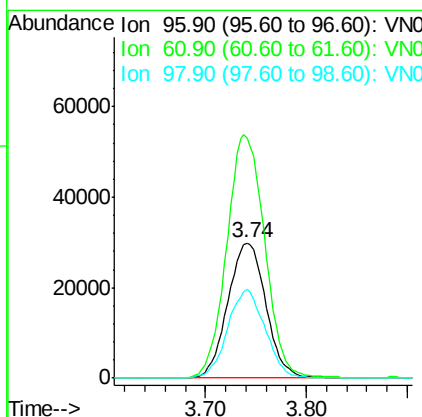
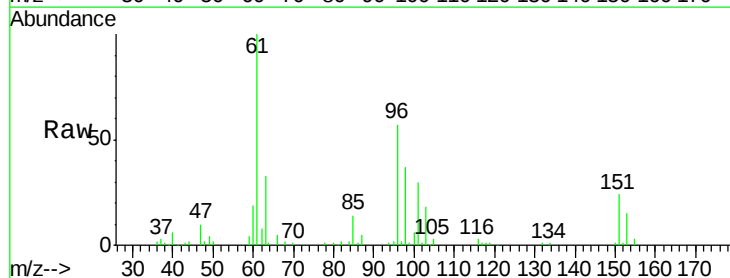
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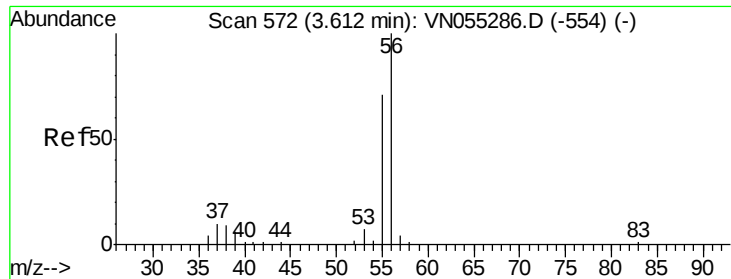
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.584 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion: 96 Resp: 78243
Ion Ratio Lower Upper
96 100
61 176.9 140.9 211.3
98 65.7 50.0 75.0





#13

Acrolein

Concen: 61.070 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 24646

Ion Ratio Lower Upper

56 100

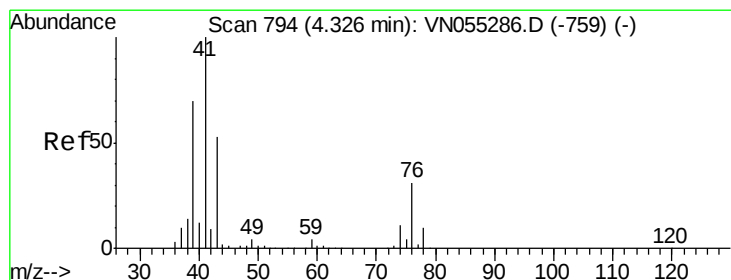
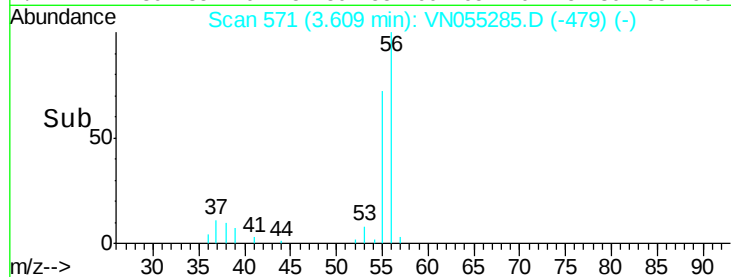
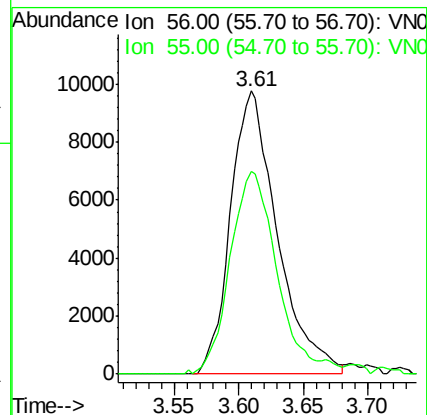
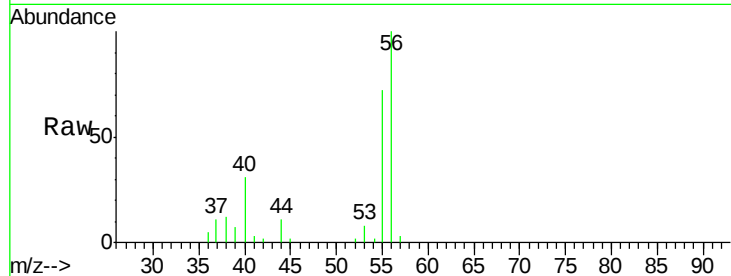
55 70.0 57.4 86.2

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#14

Allyl chloride

Concen: 19.672 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

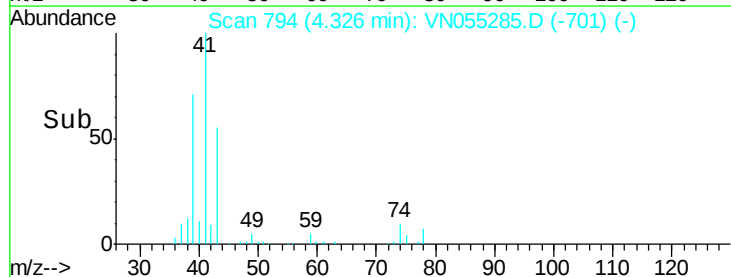
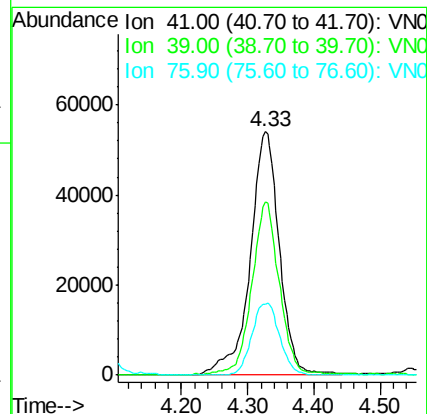
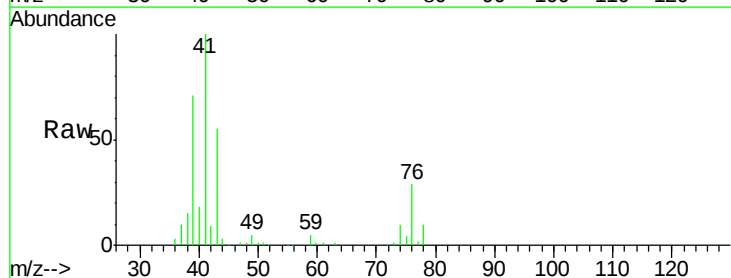
Tgt Ion: 41 Resp: 165396

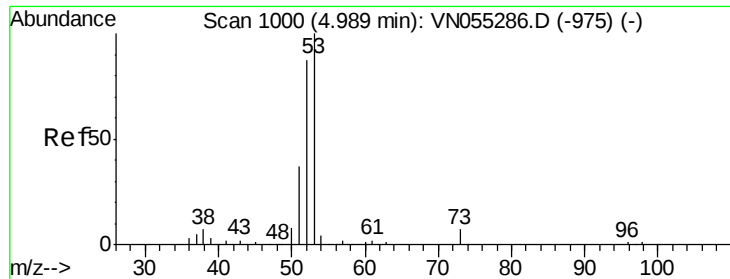
Ion Ratio Lower Upper

41 100

39 65.6 53.0 79.6

76 28.0 22.7 34.1





#15

Acrylonitrile

Concen: 98.826 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

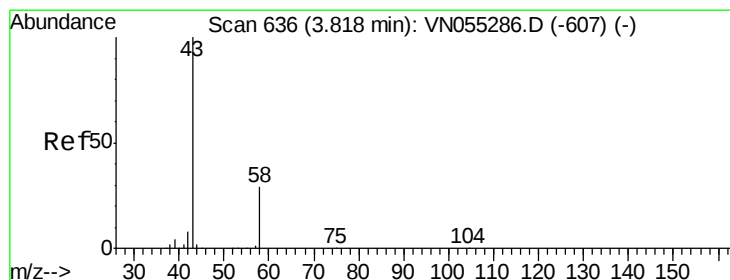
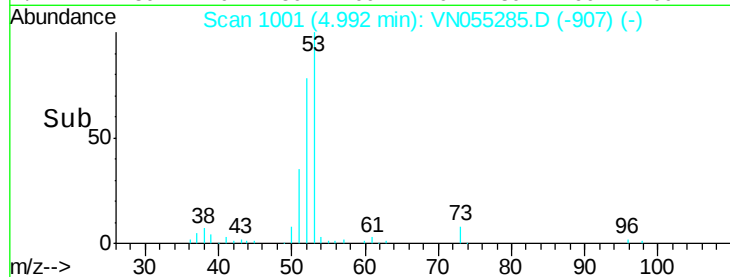
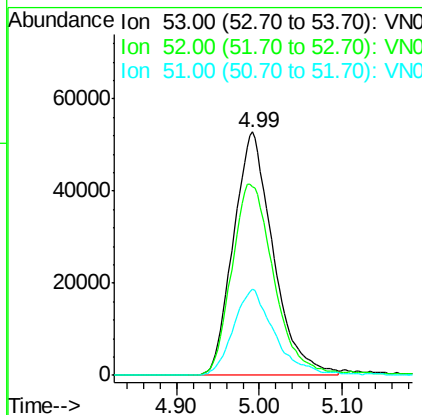
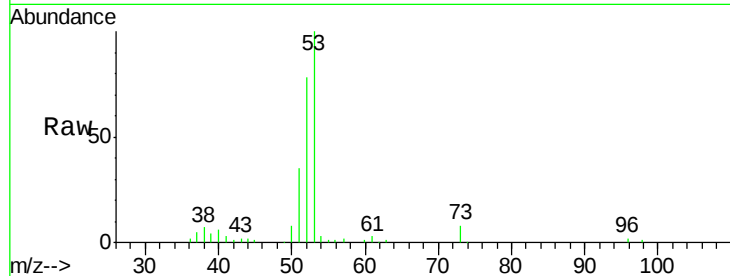
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	176311
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.5	99.7
51	36.8	29.6	44.4

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#16

Acetone

Concen: 92.638 ug/l

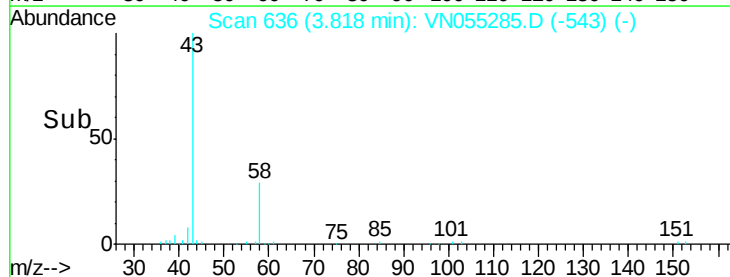
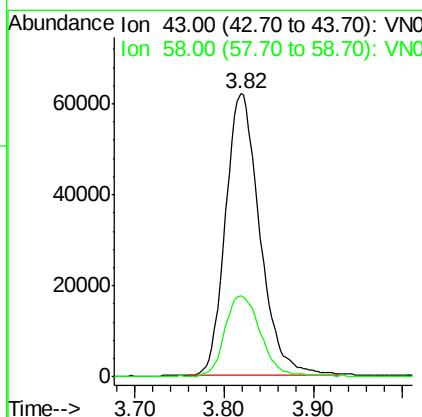
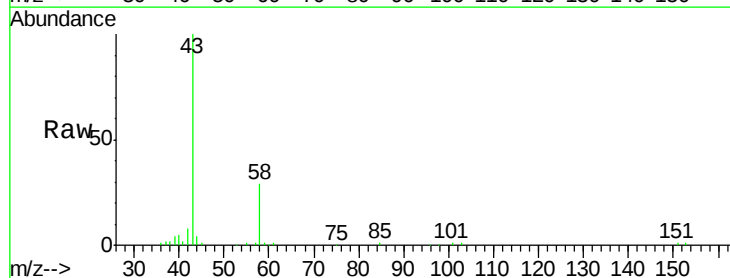
RT: 3.82 min Scan# 636

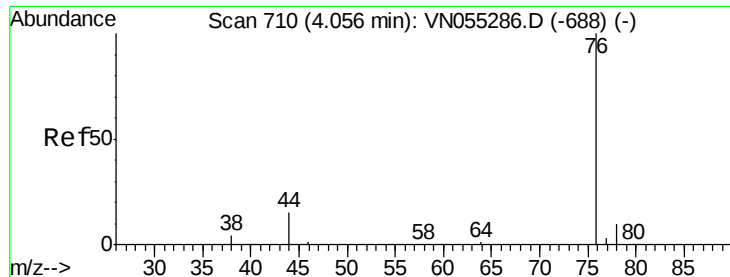
Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Tgt Ion:	43	Resp:	164688
Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.6	35.4





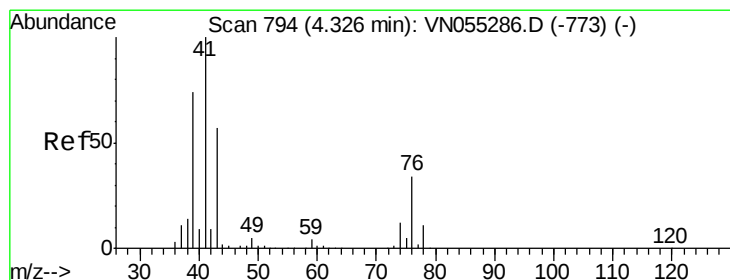
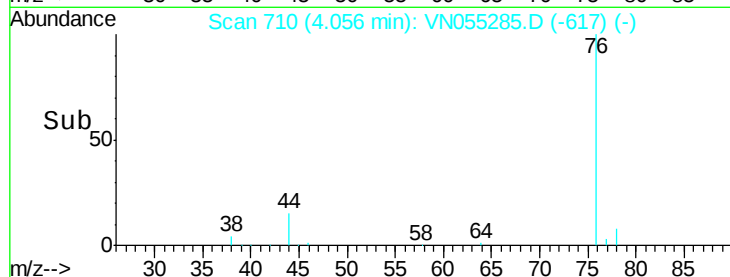
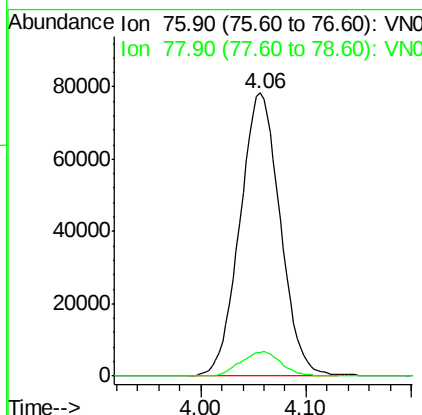
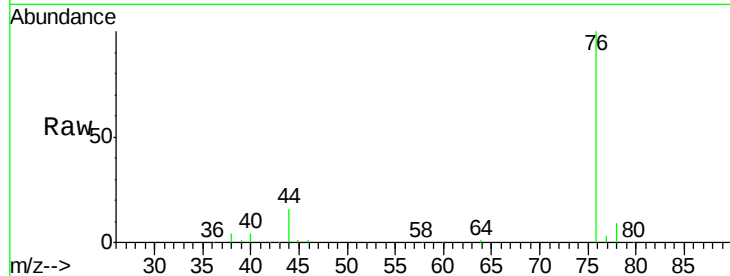
#17
Carbon Disulfide
Concen: 17.850 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	76	Resp	208168
Ion Ratio	100	Lower	Upper
76	100		
78	8.5	7.6	11.4

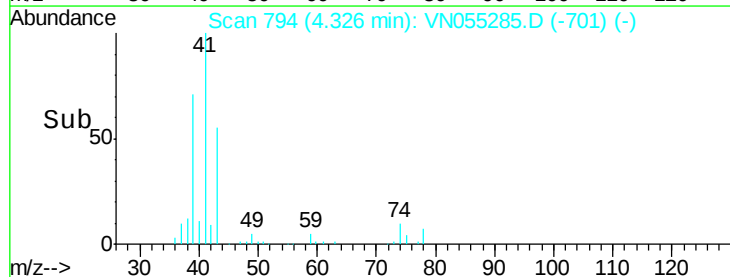
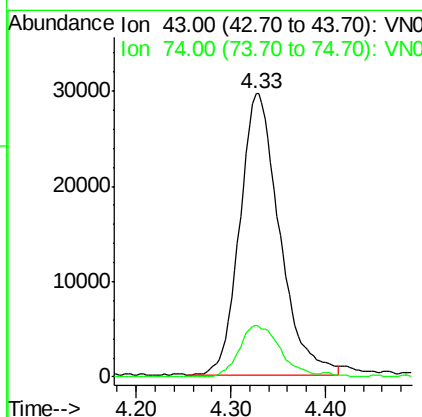
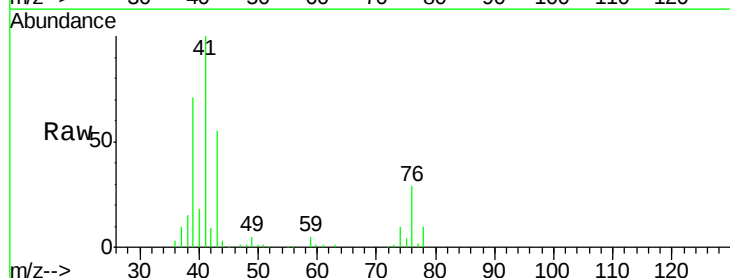
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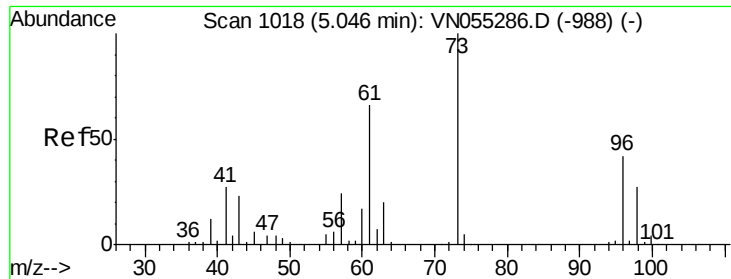
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#18
Methyl Acetate
Concen: 17.083 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion	43	Resp	86544
Ion Ratio	100	Lower	Upper
43	100		
74	18.6	15.8	23.8





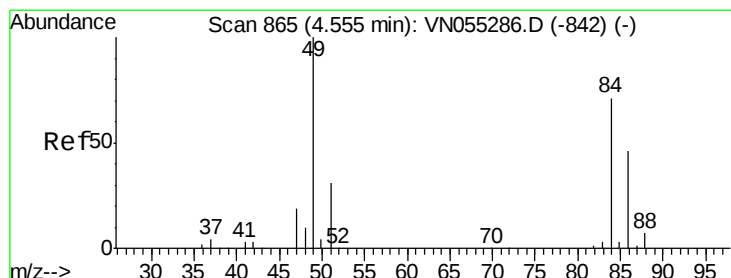
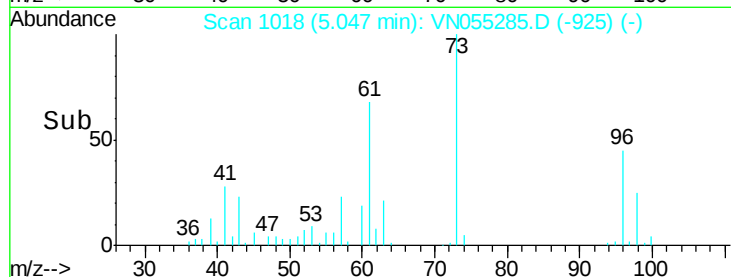
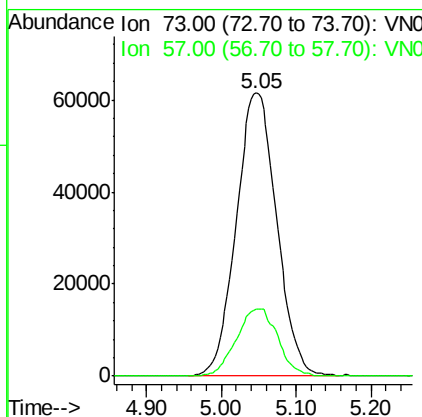
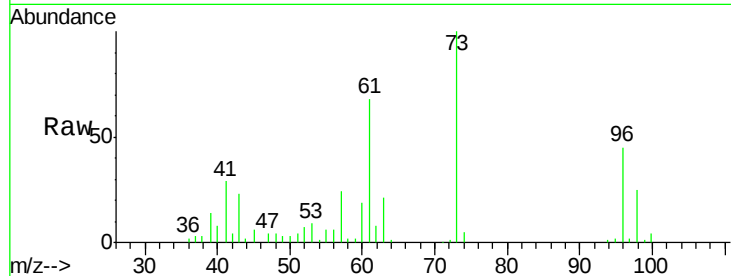
#19
Methvl tert-butvl Ether
Concen: 19.674 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 231382
Ion Ratio Lower Upper
73 100
57 23.8 19.1 28.7

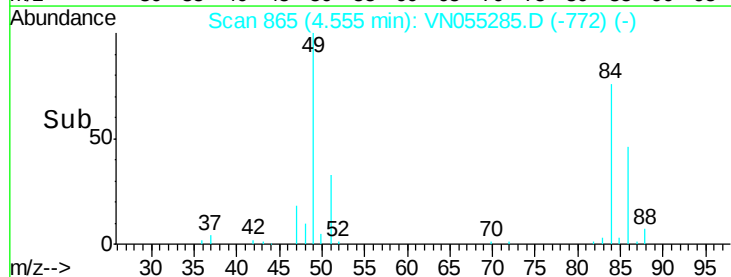
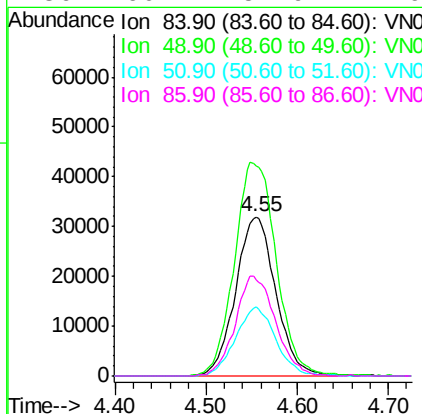
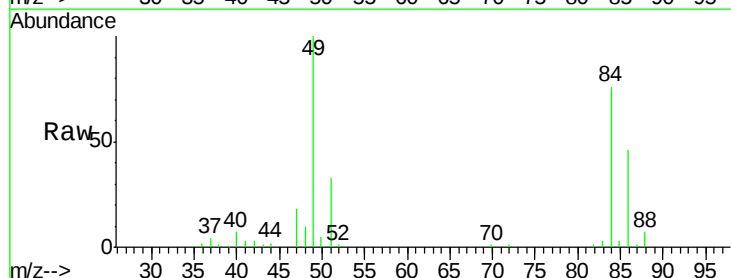
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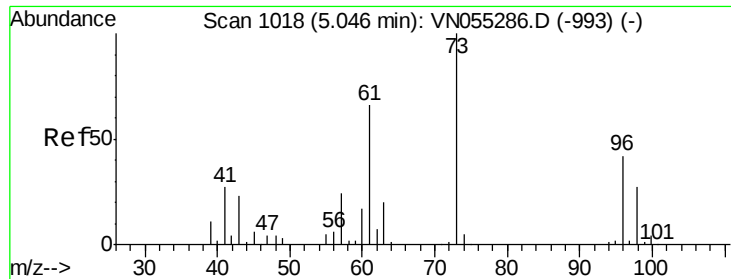
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#20
Methylene Chloride
Concen: 18.476 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion: 84 Resp: 97781
Ion Ratio Lower Upper
84 100
49 131.6 112.4 168.6
51 43.3 34.6 51.8
86 60.4 51.9 77.9





#21

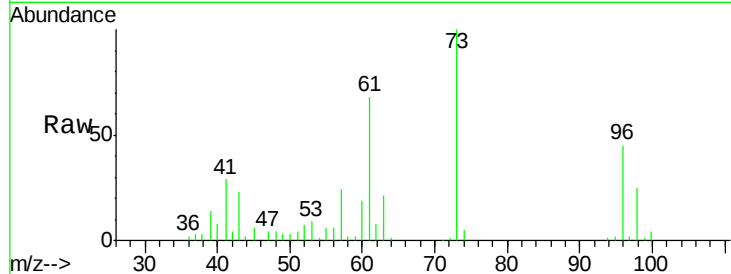
trans-1,2-Dichloroethene
Concen: 18.952 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

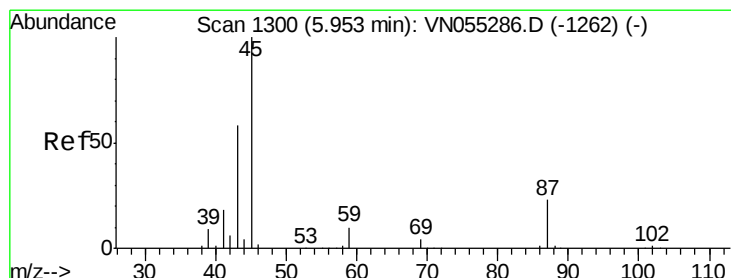
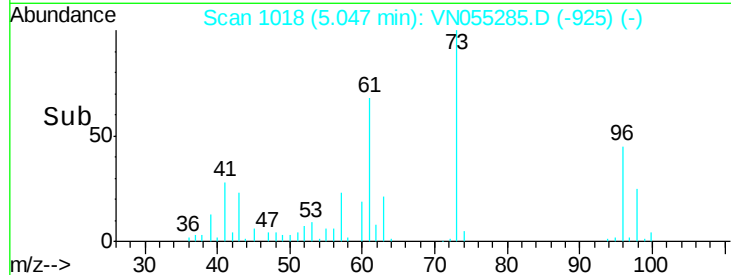
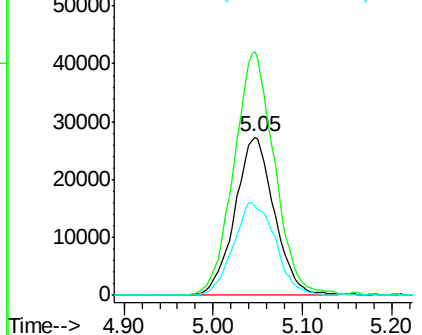
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	126.2	189.4
98	56.4	52.2	78.2

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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

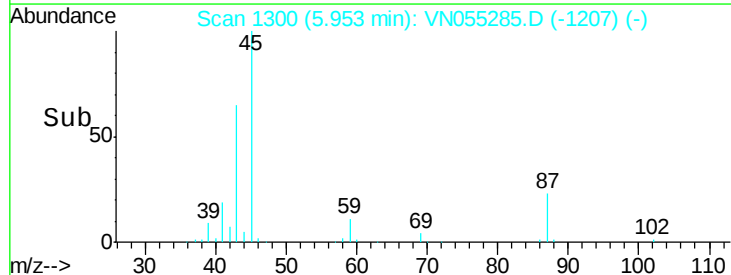
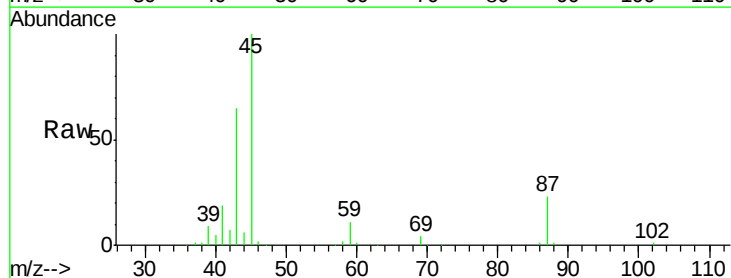
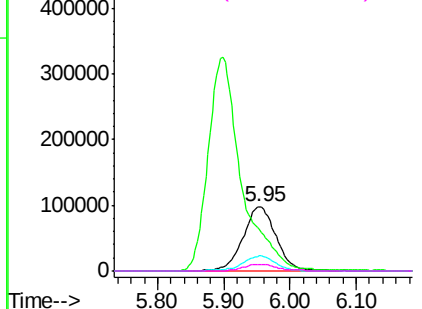


#22

Diisopropyl ether
Concen: 20.109 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	46.6	70.0
87	23.1	18.1	27.1
59	10.3	8.2	12.2

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





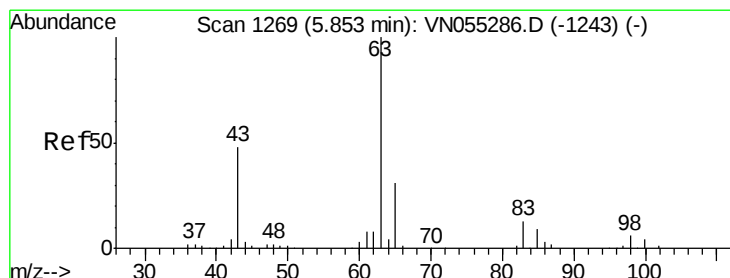
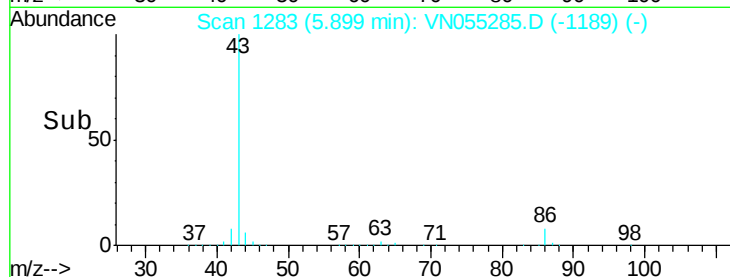
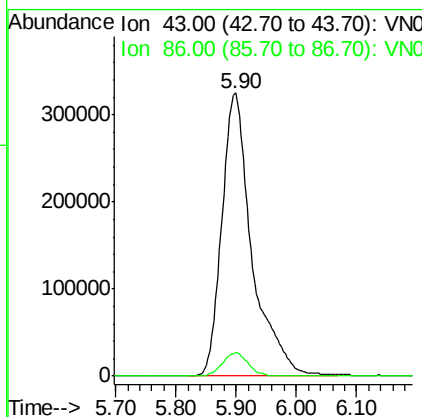
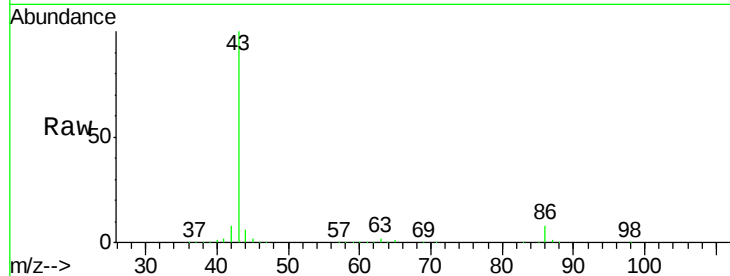
#23
 Vinyl Acetate
 Concen: 100.923 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 1132512
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.6 10.0

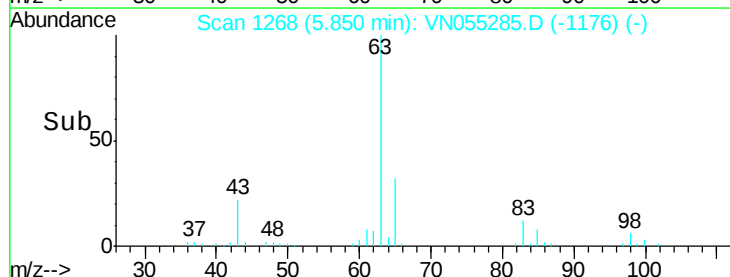
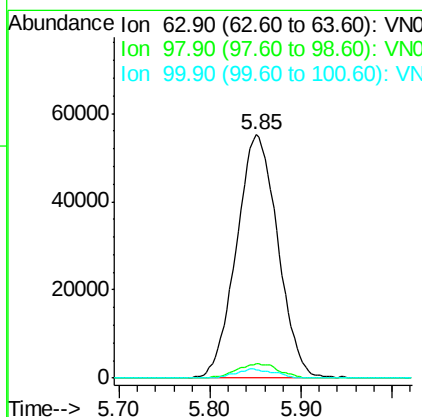
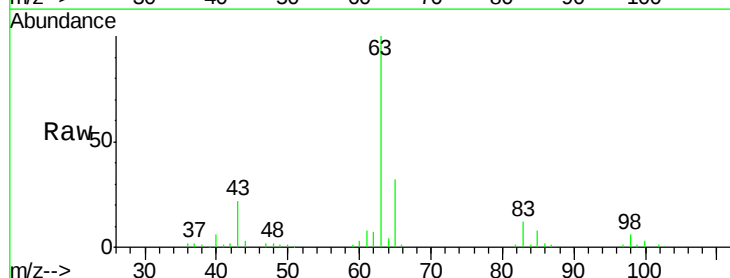
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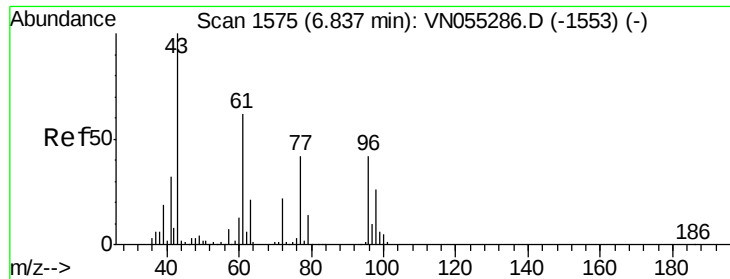
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#24
 1,1-Dichloroethane
 Concen: 19.414 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion: 63 Resp: 174489
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 3.5 1.8 5.4





#25

2-Butanone

Concen: 92.963 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 218338

Ion Ratio Lower Upper

43 100

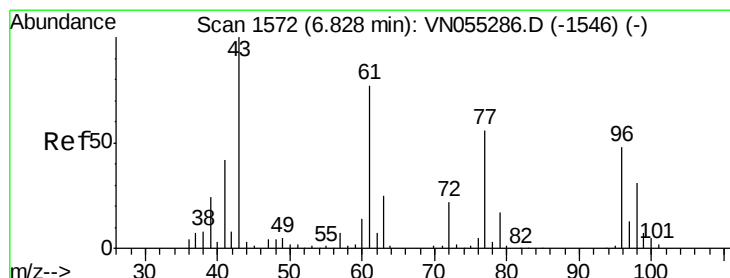
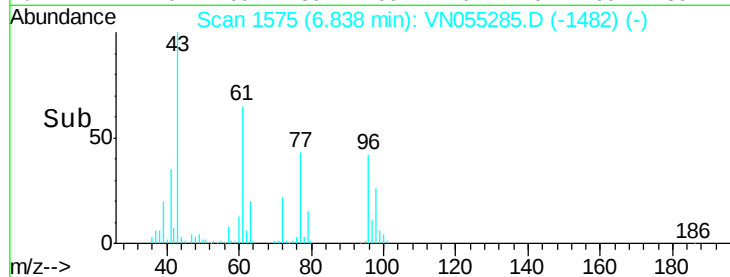
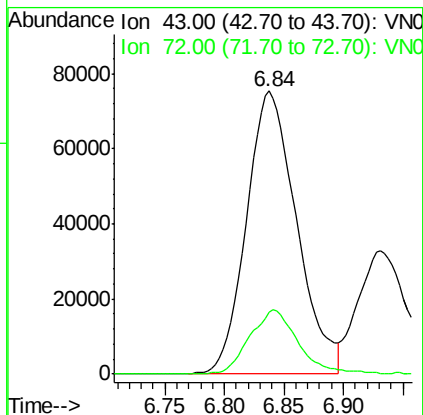
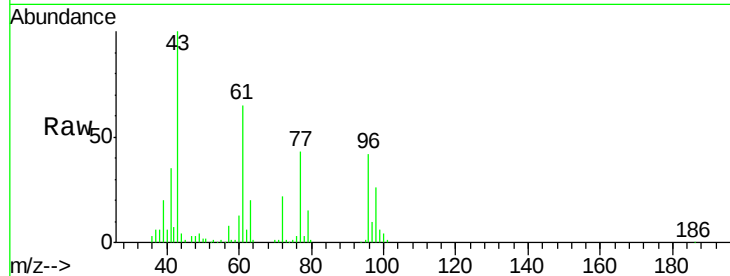
72 21.8 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.513 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055285.D

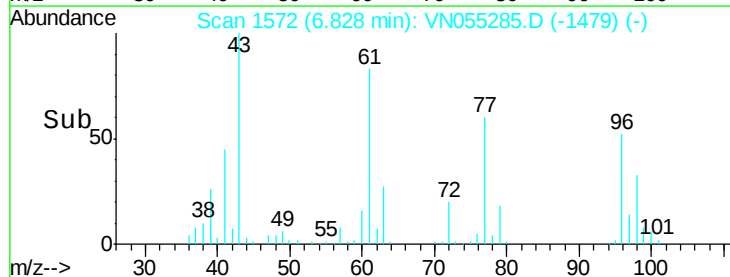
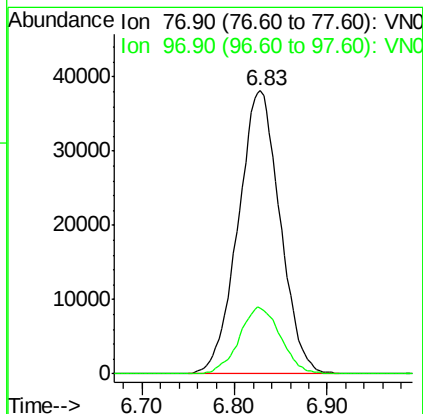
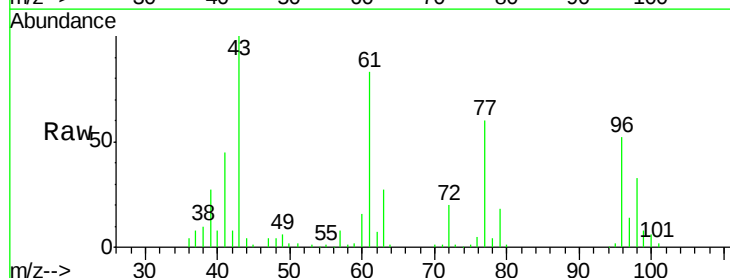
Acq: 29 Apr 2019 11:07

Tgt Ion: 77 Resp: 119338

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.141 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

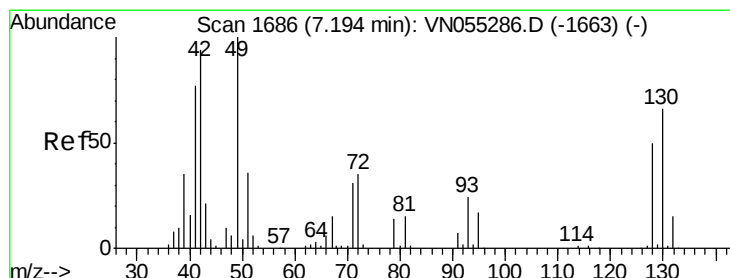
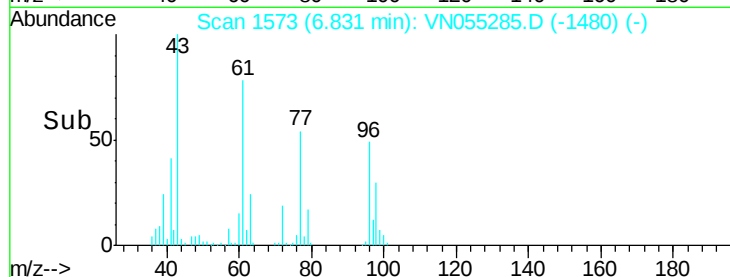
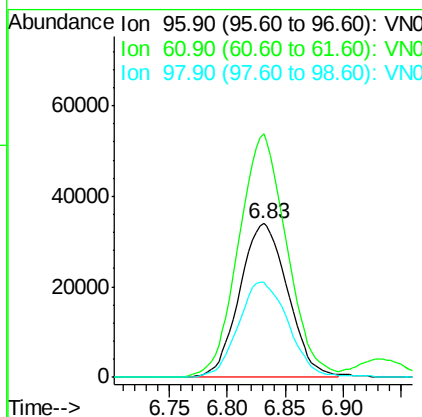
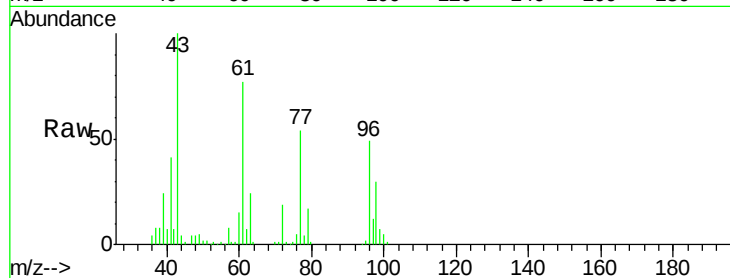
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	97894
Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	316.2
98	64.6	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 19.911 ug/l

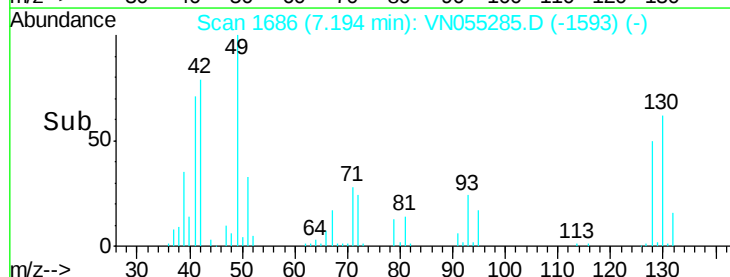
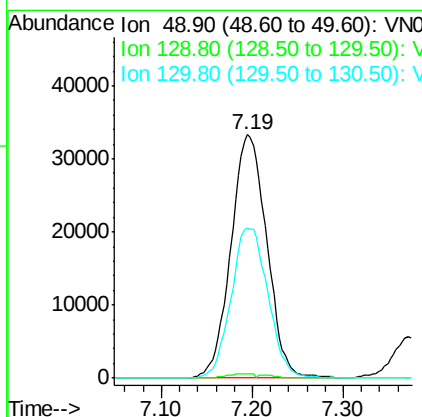
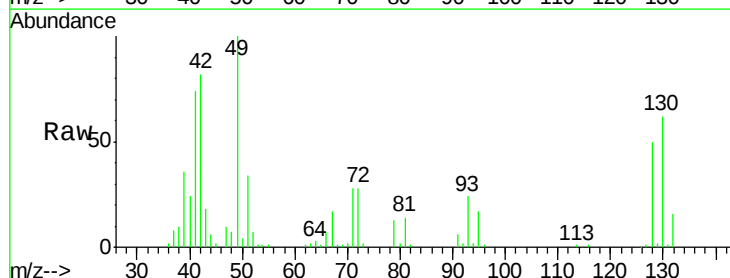
RT: 7.19 min Scan# 1686

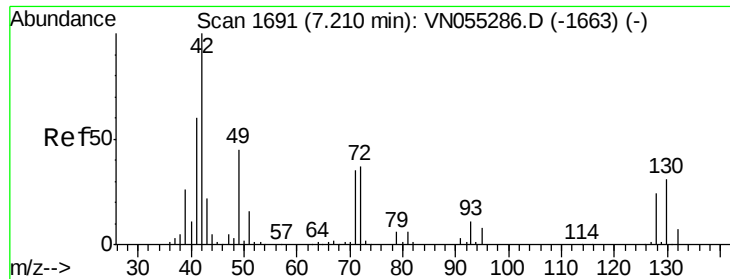
Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Tgt Ion:	49	Resp:	91289
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.4
130	63.2	52.0	78.0





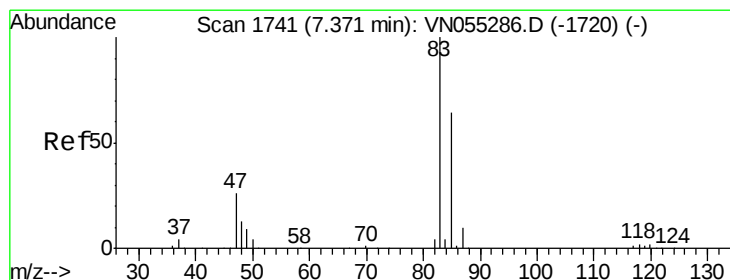
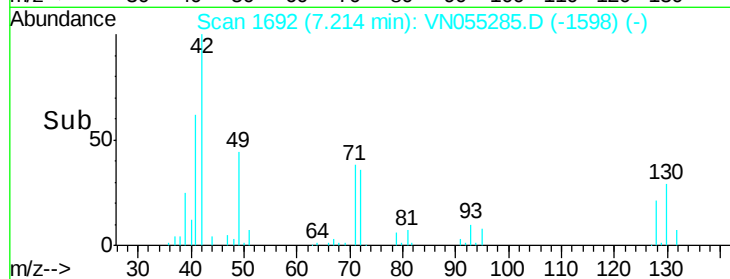
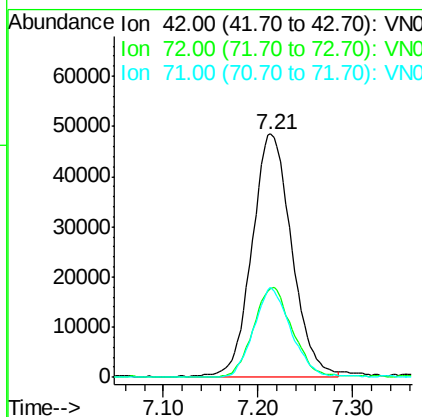
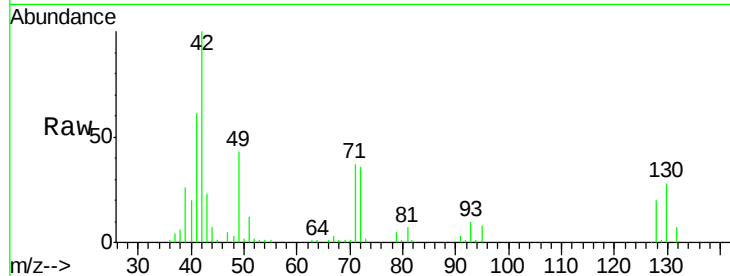
#29
Tetrahydrofuran
Concen: 95.853 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.0	43.6
71	34.5	27.1	40.7

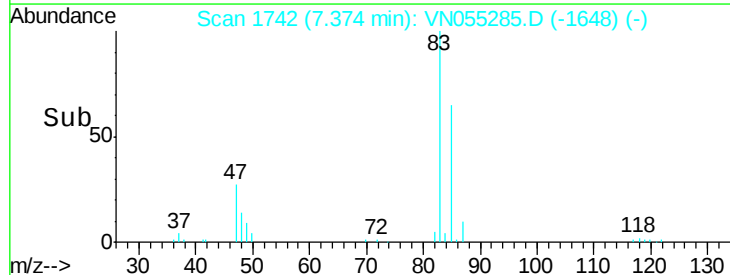
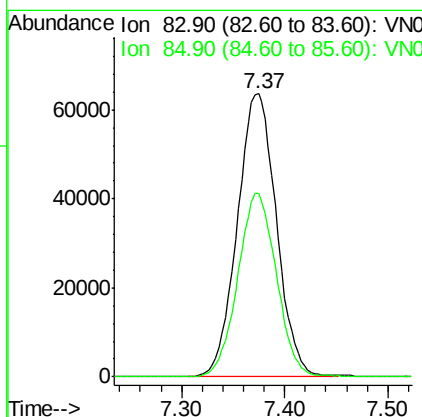
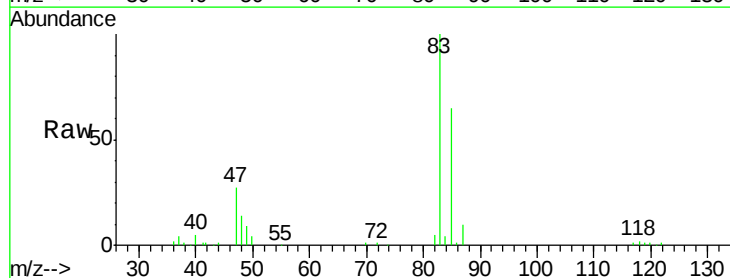
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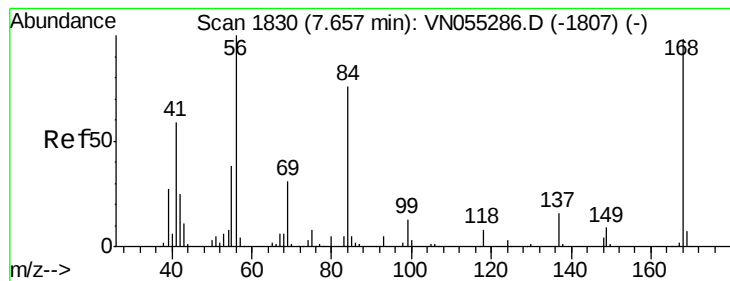
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#30
Chloroform
Concen: 19.595 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2





#31

Cyclohexane

Concen: 15.859 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

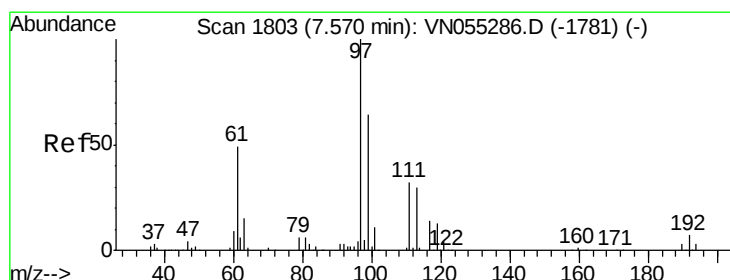
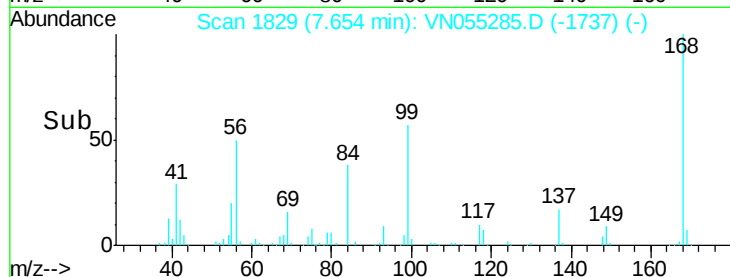
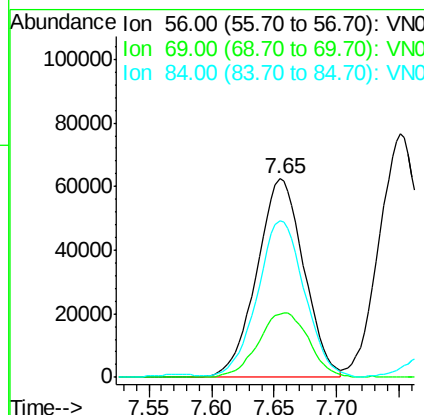
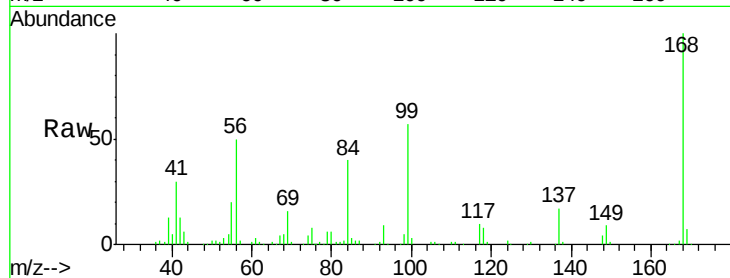
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	163166
Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.2	37.8
84	78.1	61.1	91.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.616 ug/l

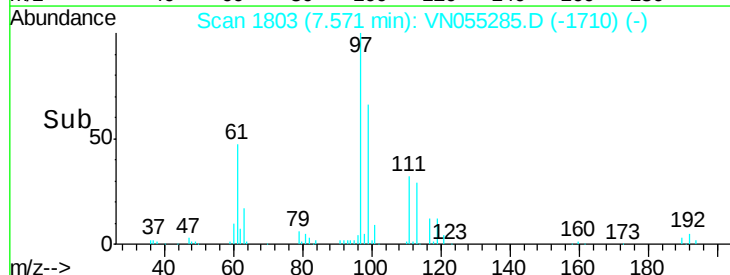
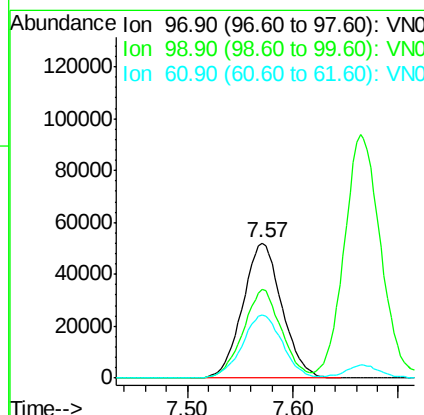
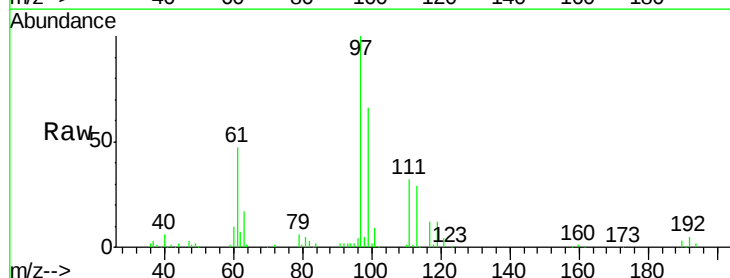
RT: 7.57 min Scan# 1803

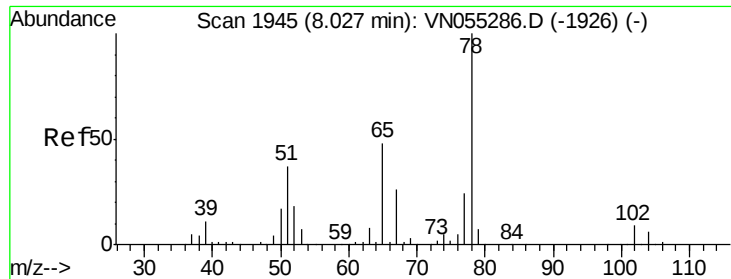
Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Tgt Ion:	97	Resp:	134637
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	47.7	39.0	58.6





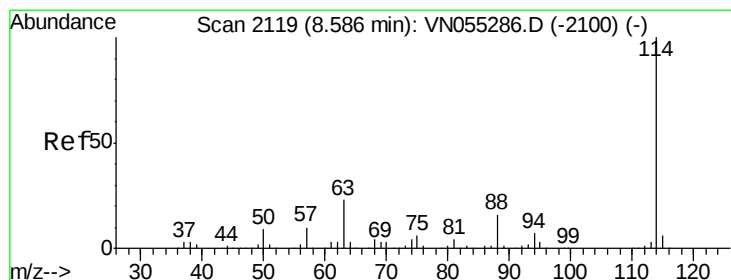
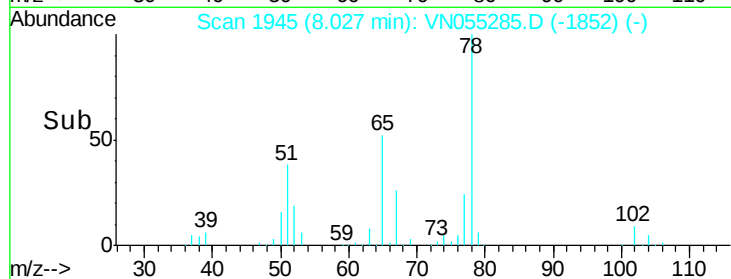
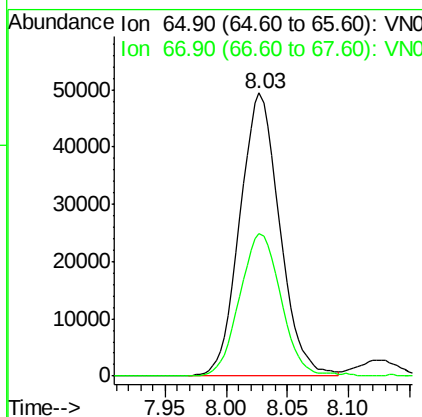
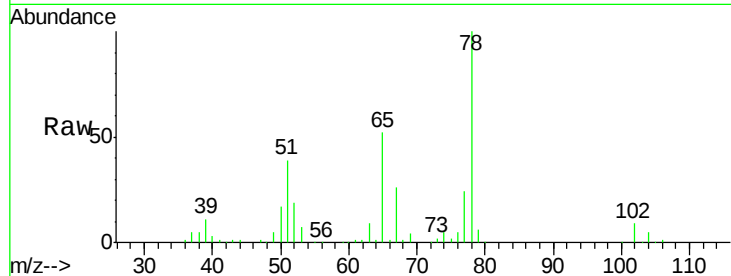
#33
 1,2-Dichloroethane-d4
 Concen: 20.015 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	106.8	

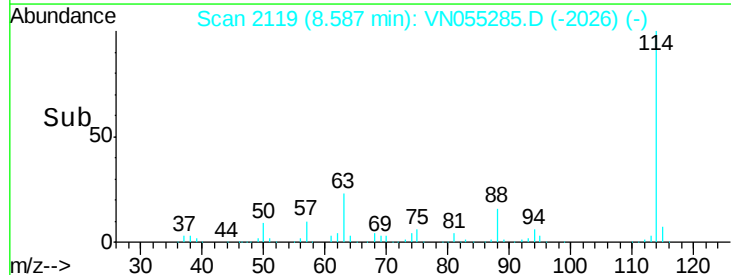
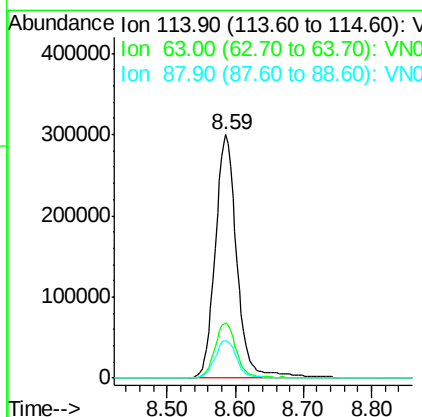
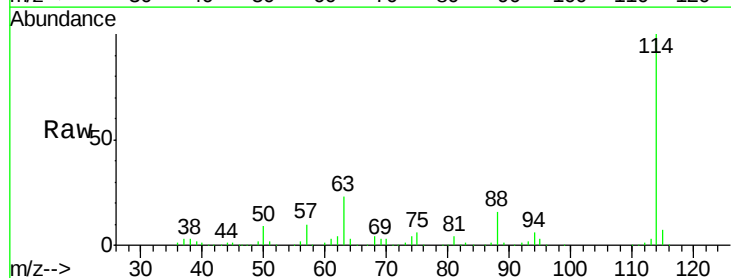
Manual Integrations
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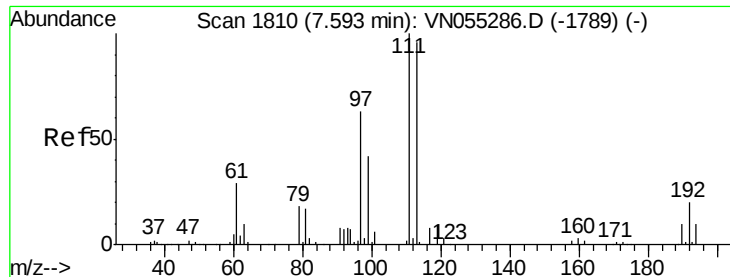
MMDadoda
 4/30/2019 11:58:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	45.2	
88	15.6	0.0	31.6	





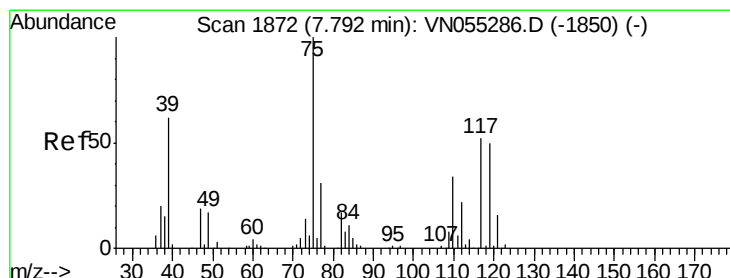
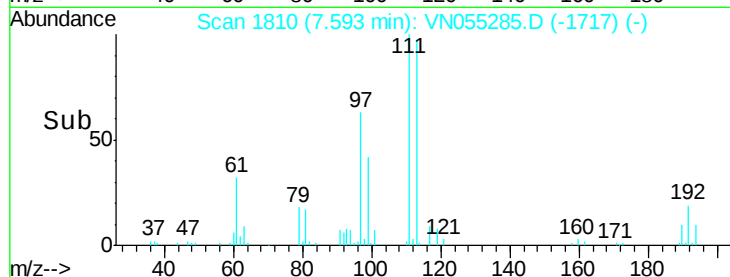
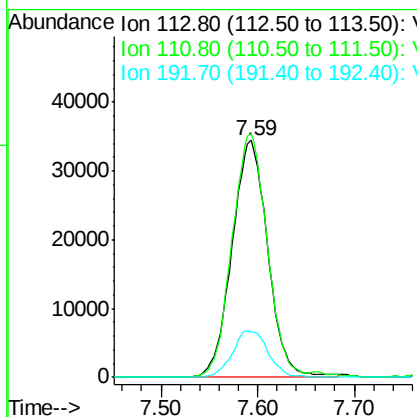
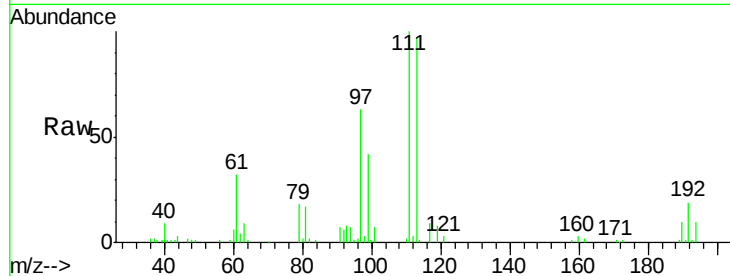
#35
 Dibromofluoromethane
 Concen: 19.897 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.0	82.3	123.5	
192	19.5	17.0	25.6	

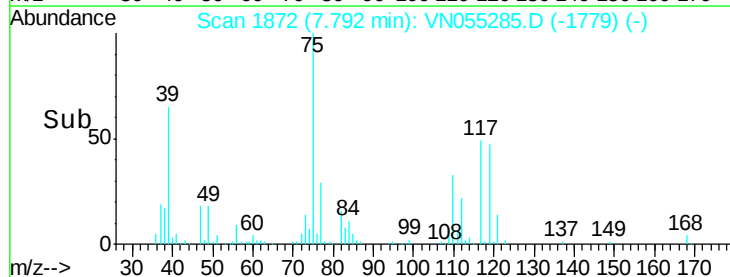
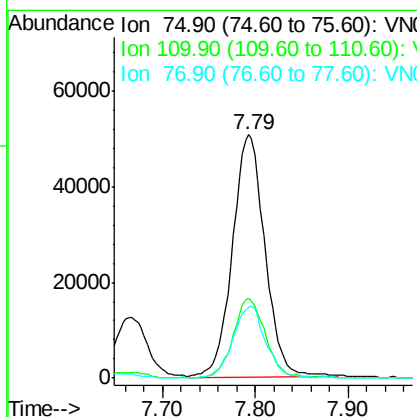
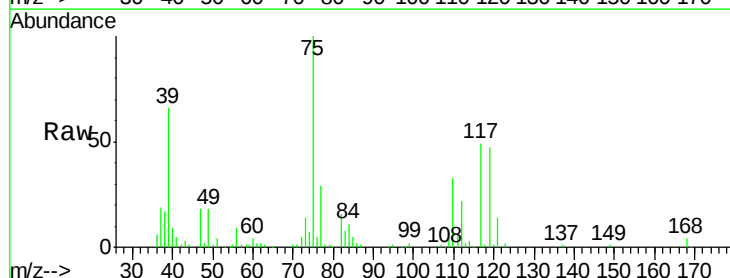
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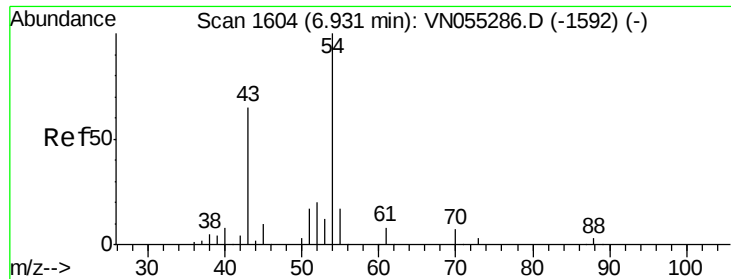
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#36
 1,1-Dichloropropene
 Concen: 20.233 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.7	16.8	50.4	
77	30.1	25.0	37.6	





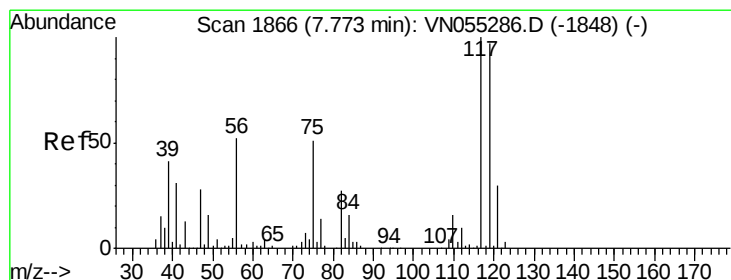
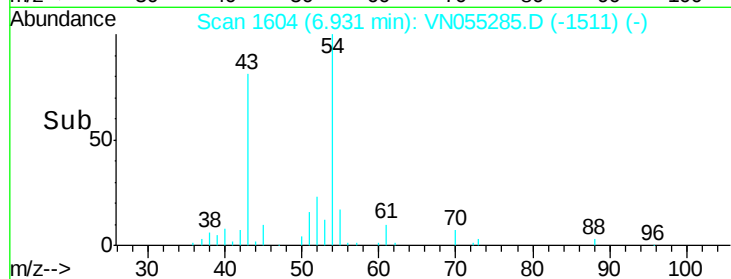
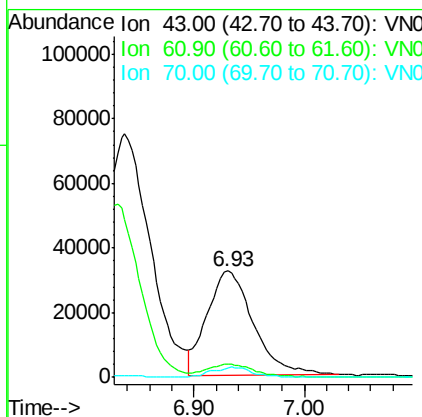
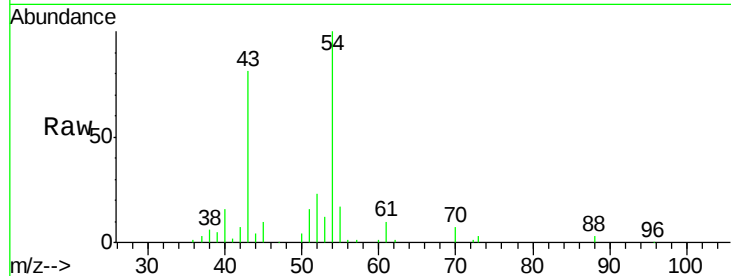
#37
Ethyl Acetate
Concen: 19.155 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC020

Tot Ion	43	61	70
Resp	93620		
Ratio	100	11.9	8.8
Lower		10.4	6.6
Upper		15.6	10.0

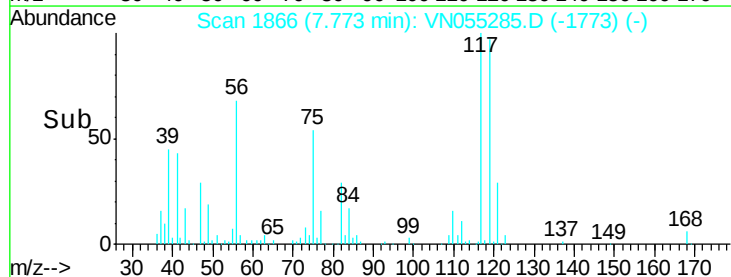
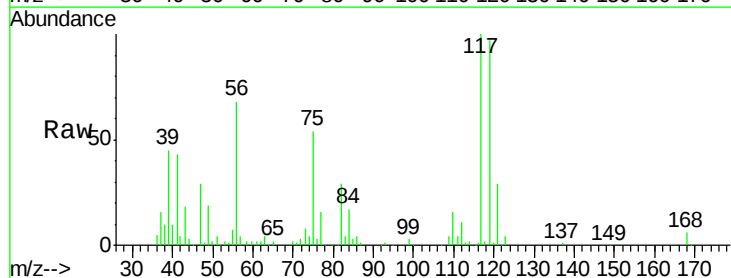
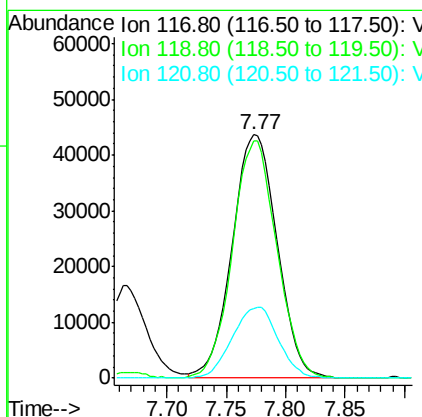
Manual Integrations
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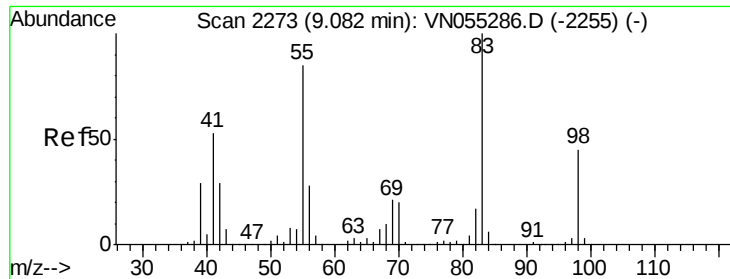
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#38
Carbon Tetrachloride
Concen: 20.044 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion	117	119	121
Resp	114446		
Ratio	100	97.2	28.6
Lower		77.0	23.8
Upper		115.6	35.8





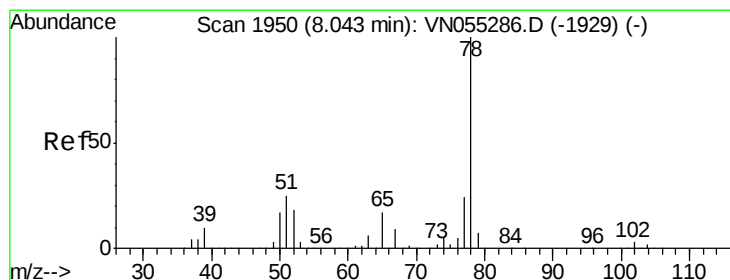
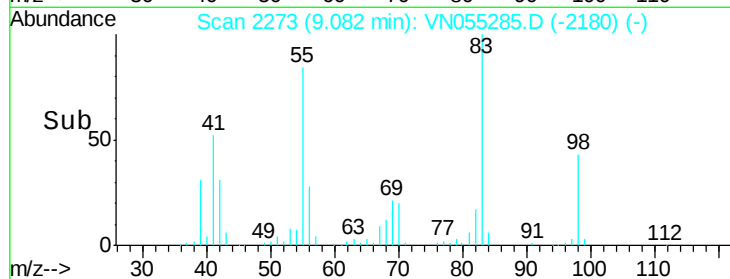
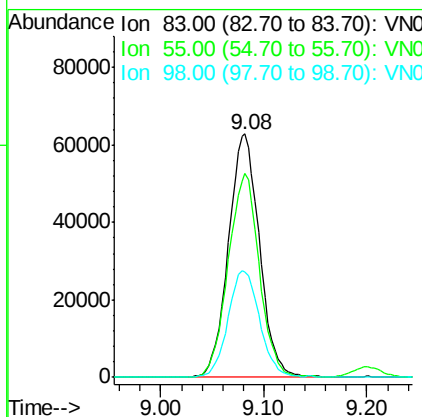
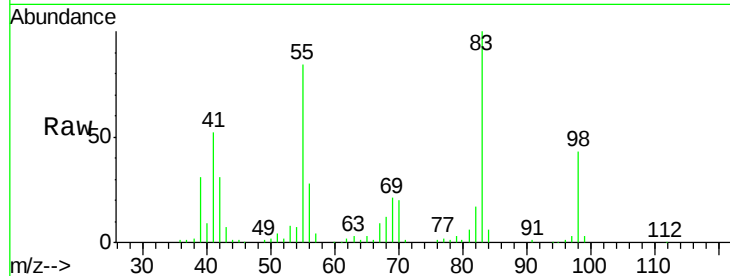
#39
Methvlcvclohexane
Concen: 18.304 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	67.8	101.6
98	43.4	36.2	54.4

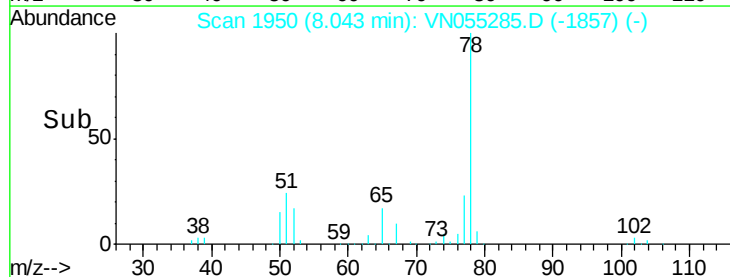
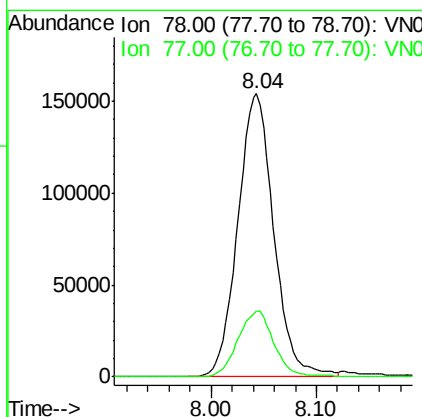
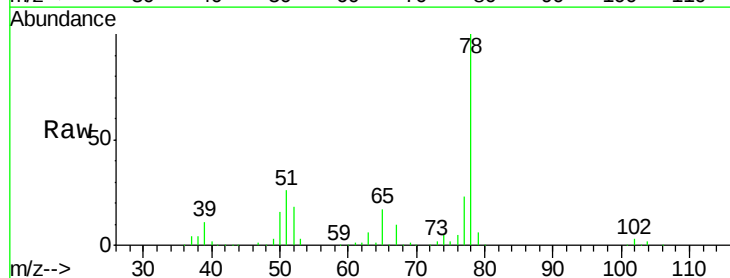
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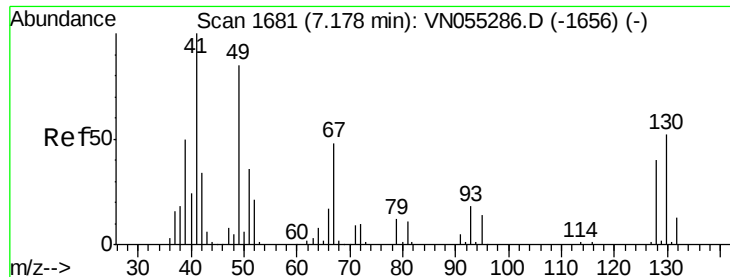
MMDadoda
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#40
Benzene
Concen: 19.434 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





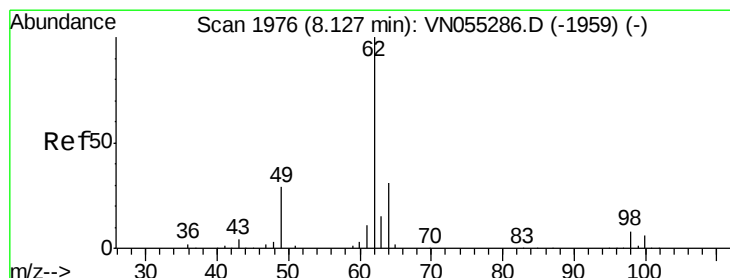
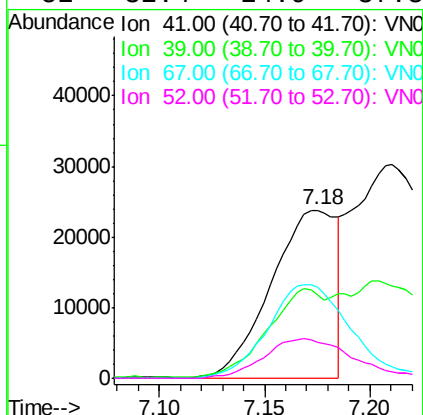
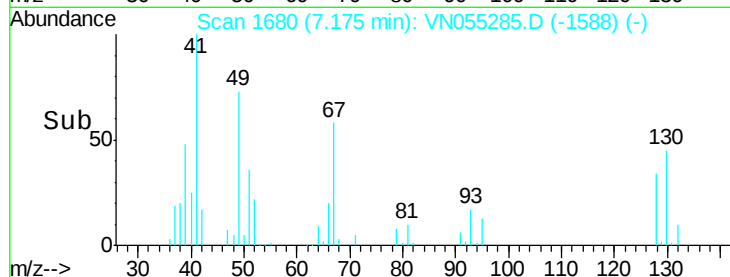
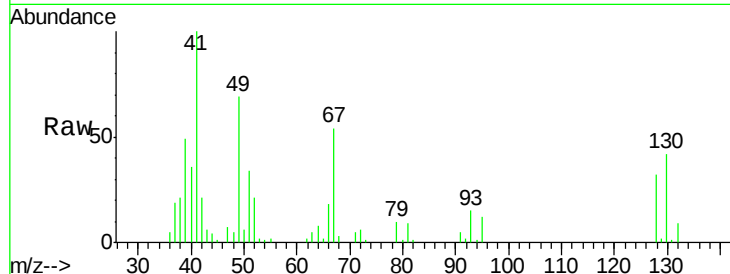
#41
Methacrylonitrile
Concen: 20.064 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:	41	Resp:	51546
Ion	Ratio	Lower	Upper
41	100		
39	43.6	48.5	72.7#
67	71.6	54.9	82.3
52	32.4	24.9	37.3

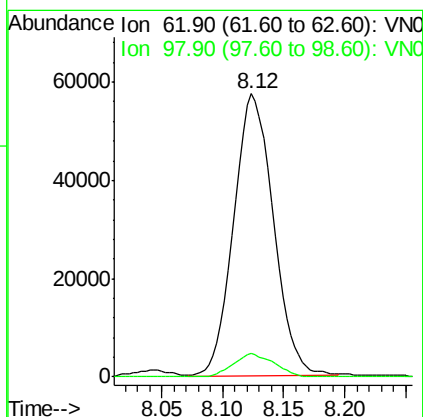
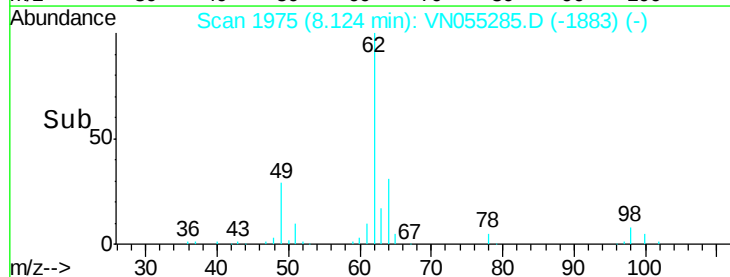
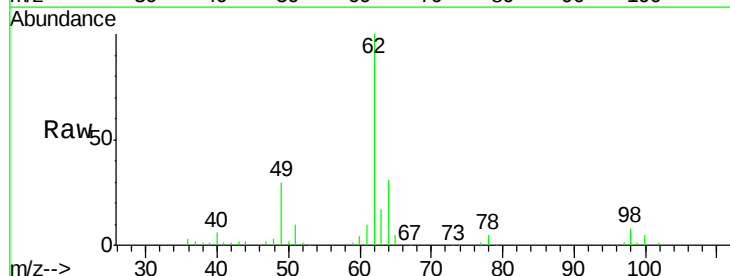
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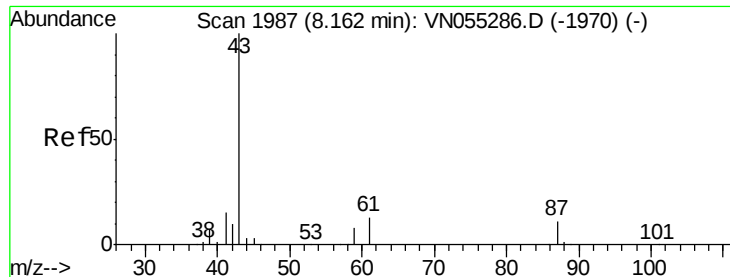
MMDadoda
4/30/2019 11:58:57 AM



#42
1,2-Dichloroethane
Concen: 19.783 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion:	62	Resp:	129759
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43

Isopropyl Acetate

Concen: 19.638 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

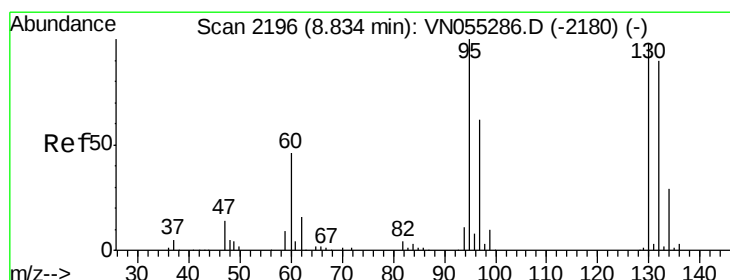
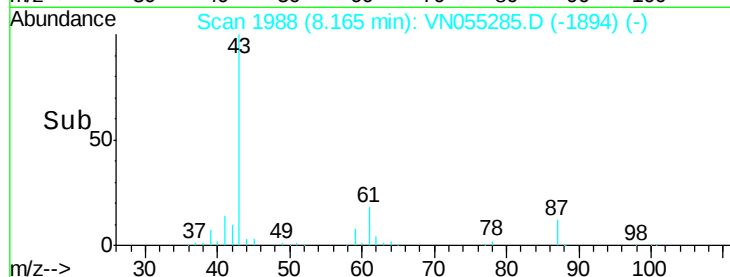
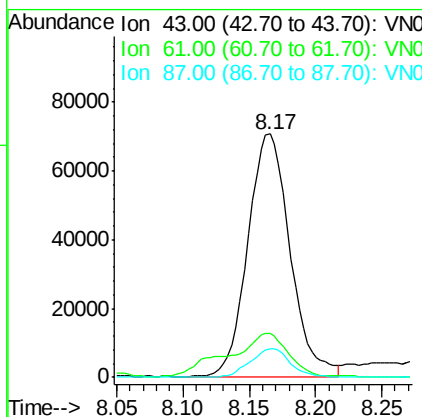
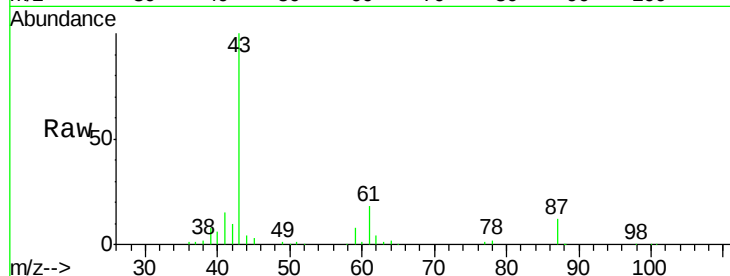
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	156223
Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.8	31.2
87	11.4	8.5	12.7

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#44

Trichloroethene

Concen: 19.315 ug/l

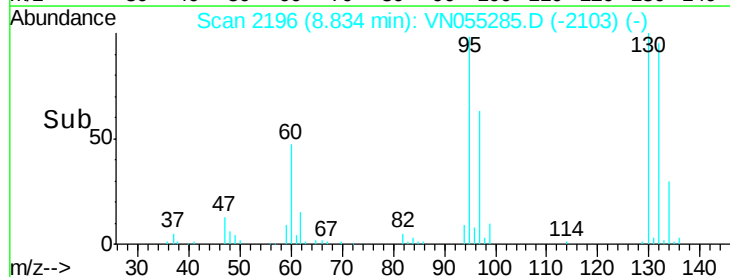
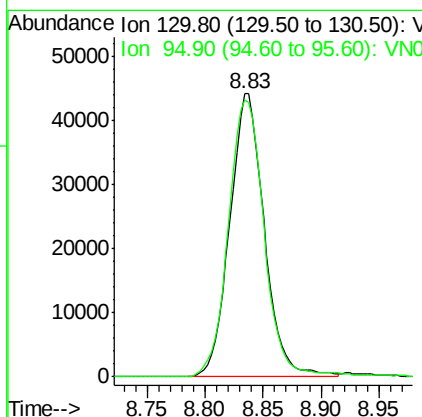
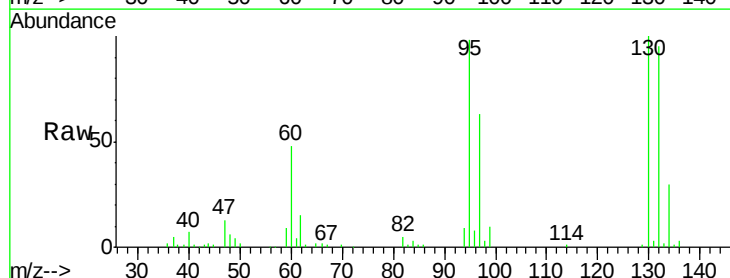
RT: 8.83 min Scan# 2196

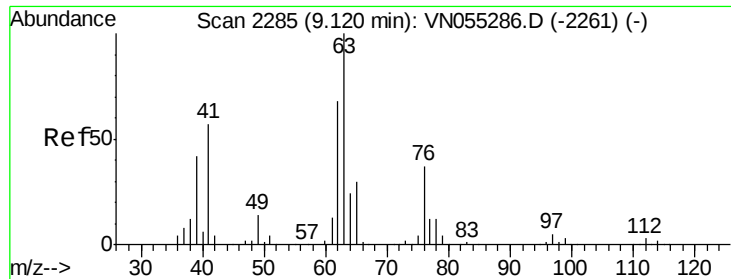
Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Tgt Ion:	130	Resp:	91541
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	203.4





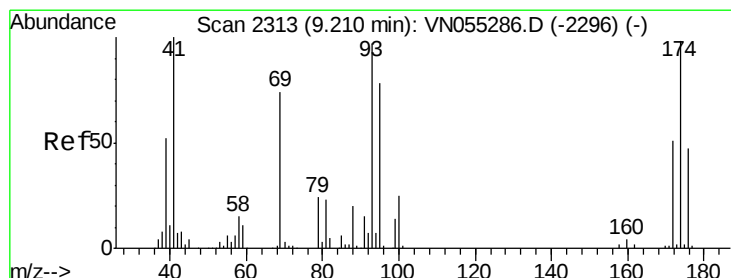
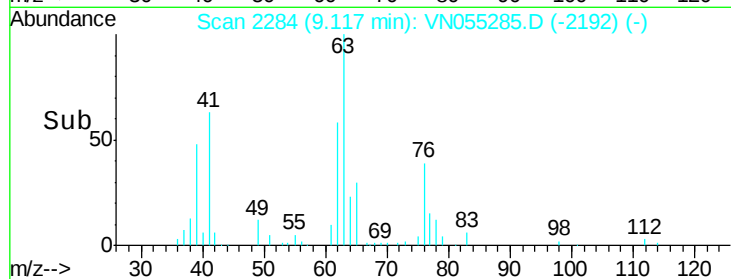
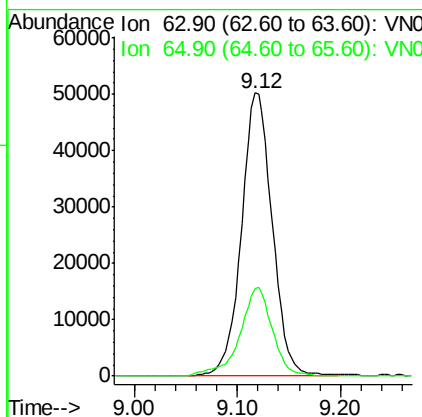
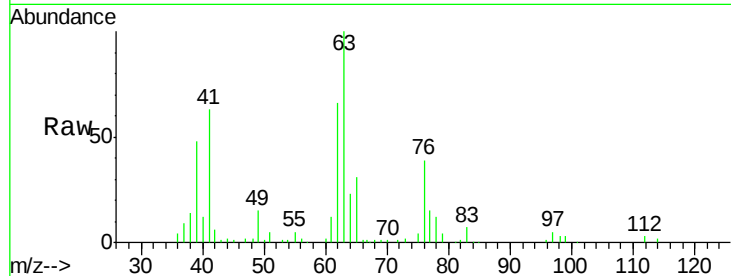
#45
 1,2-Dichloropropane
 Concen: 19.590 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 104215
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.9 35.9

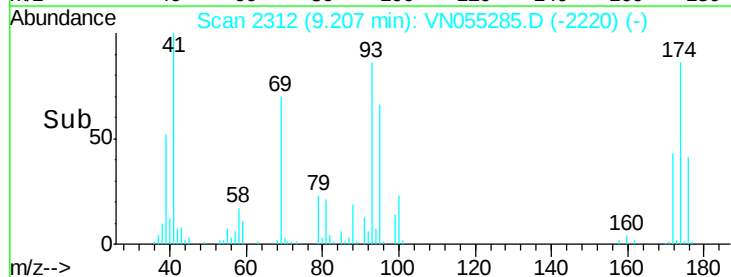
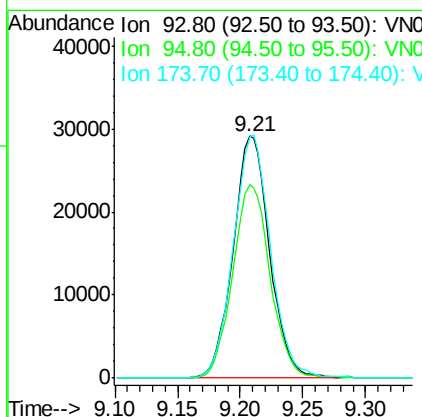
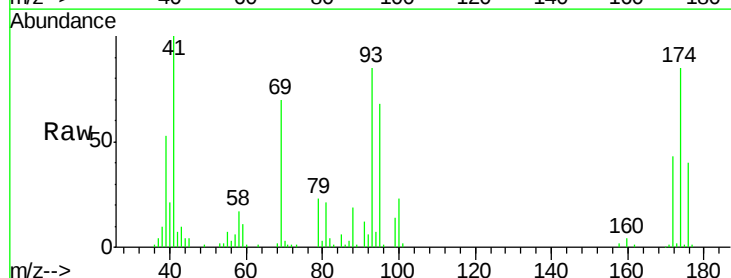
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#46
 Dibromomethane
 Concen: 19.439 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion: 93 Resp: 58877
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.7 98.5
 174 102.4 81.5 122.3





#47

Bromodichloromethane

Concen: 20.370 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

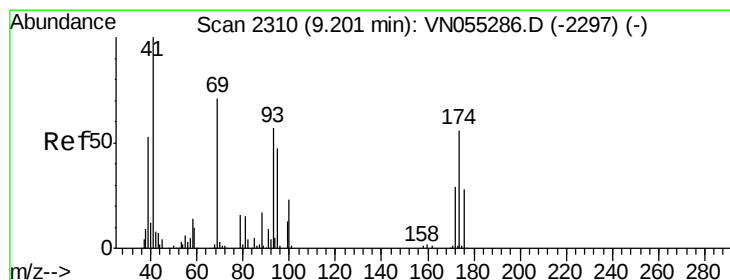
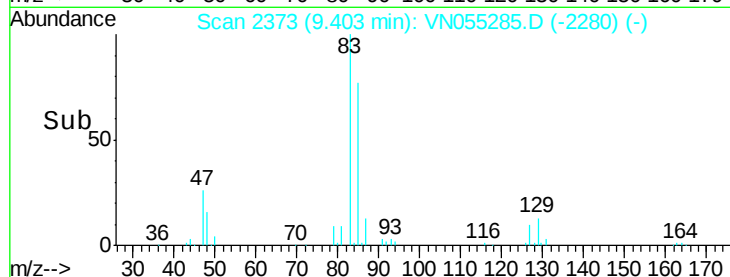
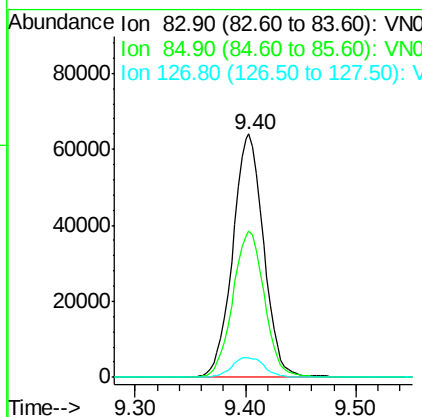
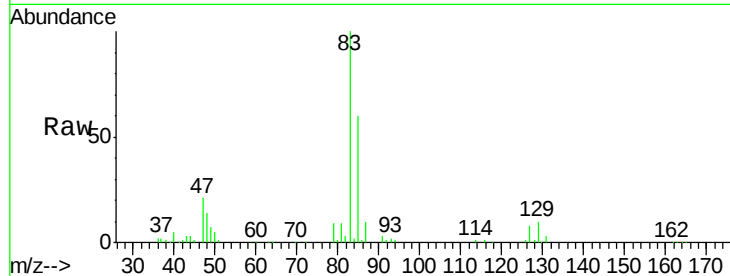
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	124076
Ion Ratio	Lower	Upper	
83	100		
85	60.4	50.1	75.1
127	8.0	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.879 ug/l

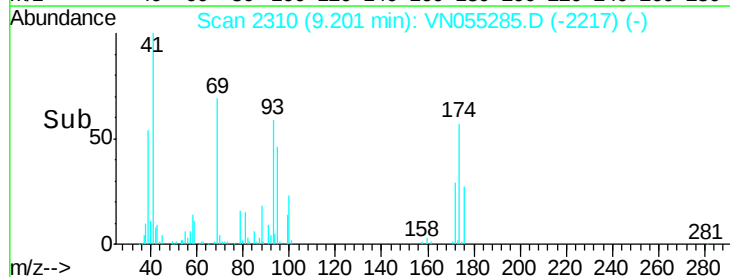
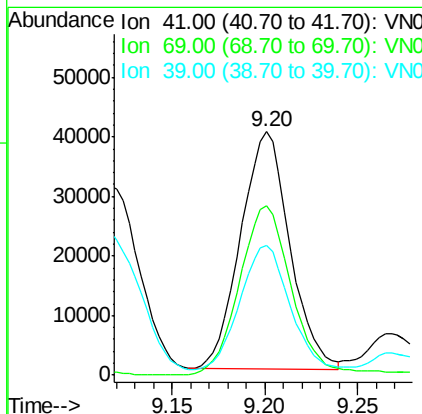
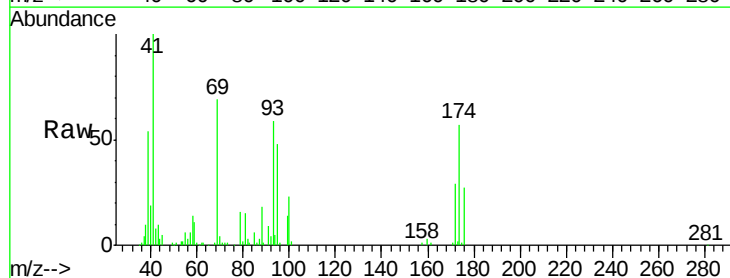
RT: 9.20 min Scan# 2310

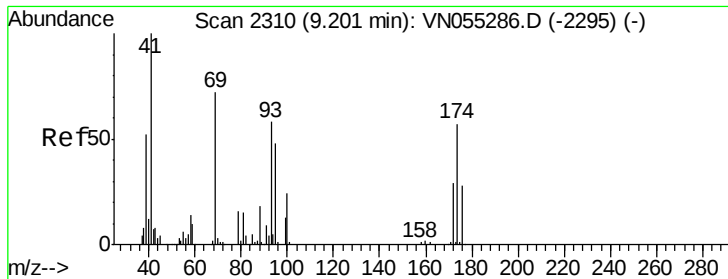
Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Tgt Ion:	41	Resp:	73257
Ion Ratio	Lower	Upper	
41	100		
69	75.3	58.6	87.8
39	56.9	43.8	65.6





#49

1,4-Dioxane

Concen: 387.209 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

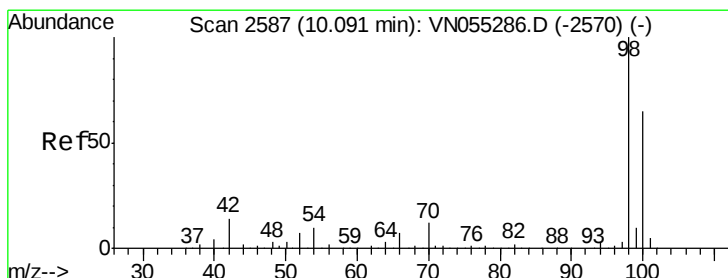
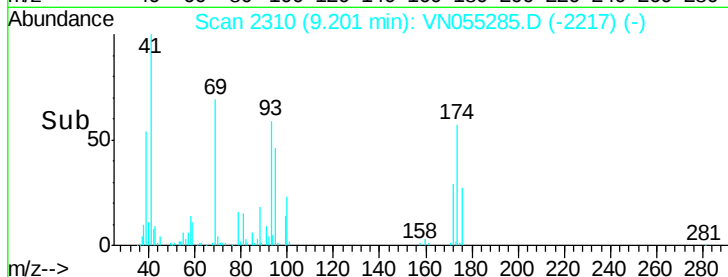
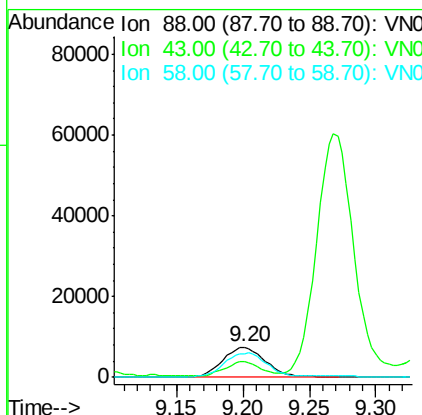
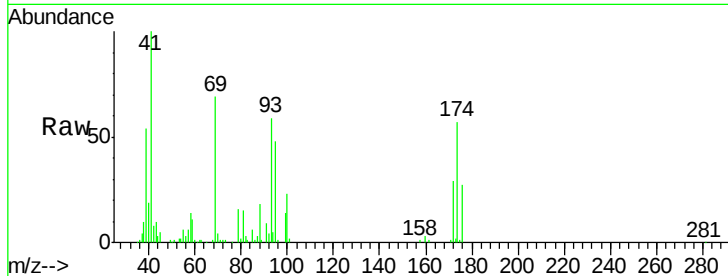
ClientSampled :

VSTDIC020

Tot Ion:	88	Resp:	16949
Ion	Ratio	Lower	Upper
88	100		
43	40.3	33.3	49.9
58	80.5	62.7	94.1

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#50

Toluene-d8

Concen: 19.533 ug/l

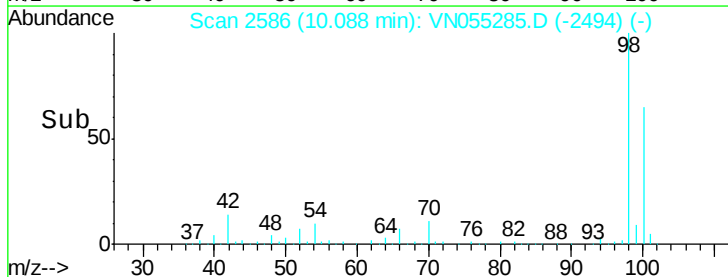
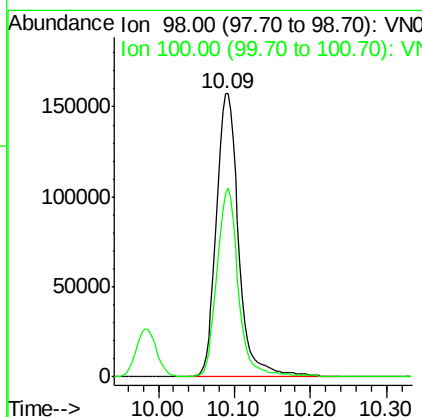
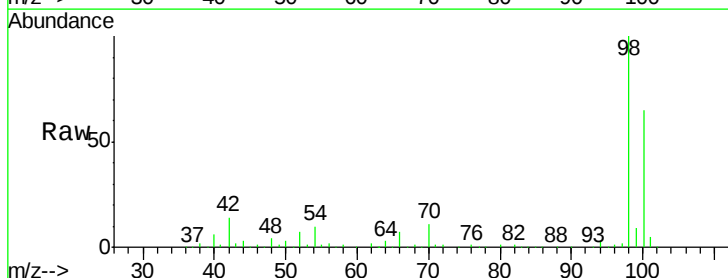
RT: 10.09 min Scan# 2586

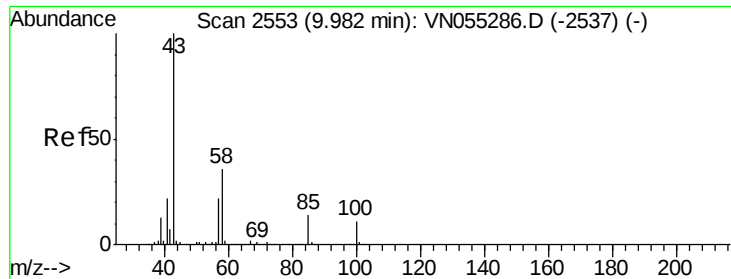
Delta R.T. -0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Tgt Ion:	98	Resp:	321307
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 96.877 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 443353

Ion Ratio Lower Upper

43 100

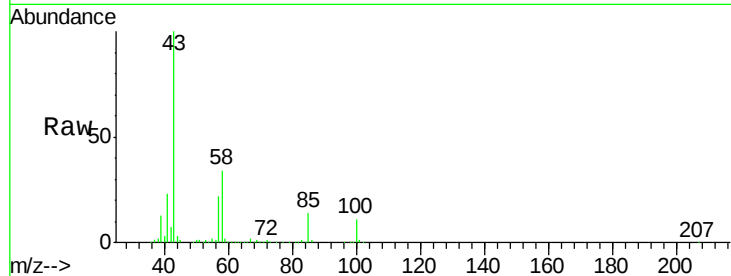
58 34.8 28.5 42.7

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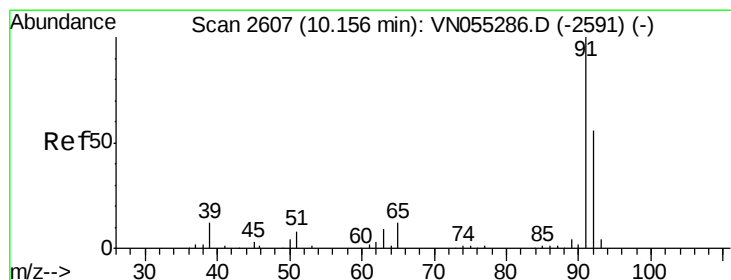
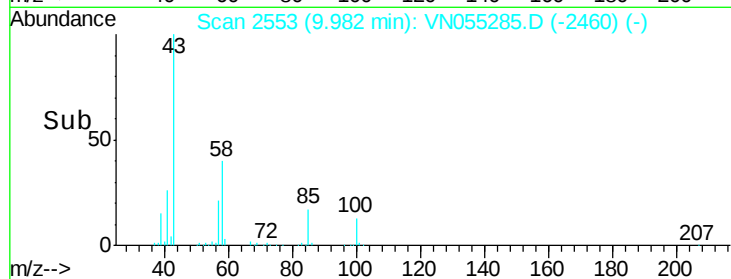
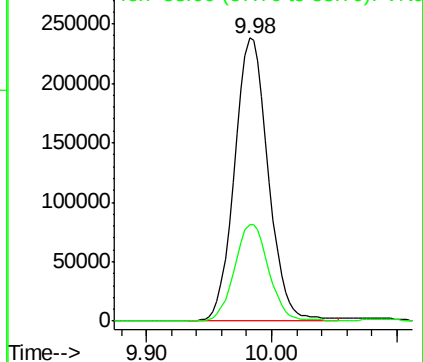
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.575 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055285.D

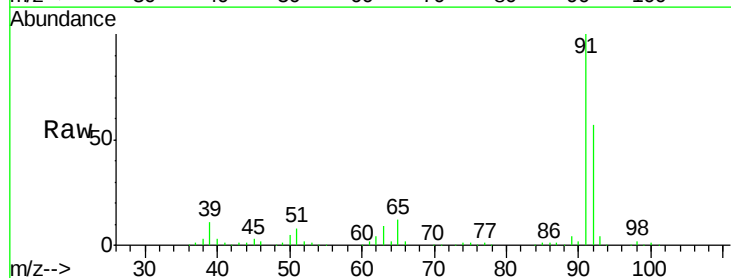
Acq: 29 Apr 2019 11:07

Tgt Ion: 92 Resp: 214606

Ion Ratio Lower Upper

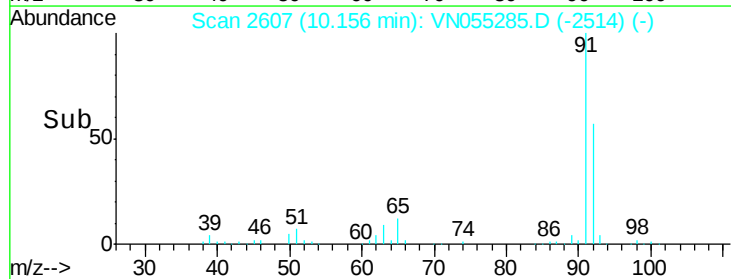
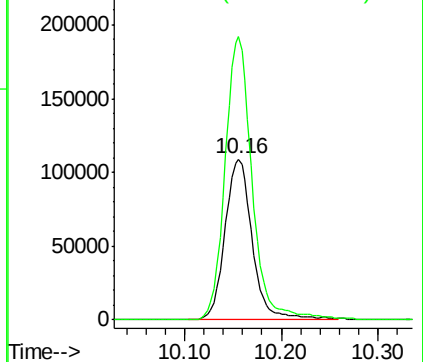
92 100

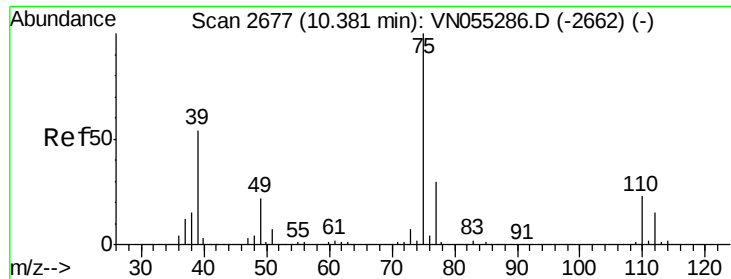
91 174.6 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





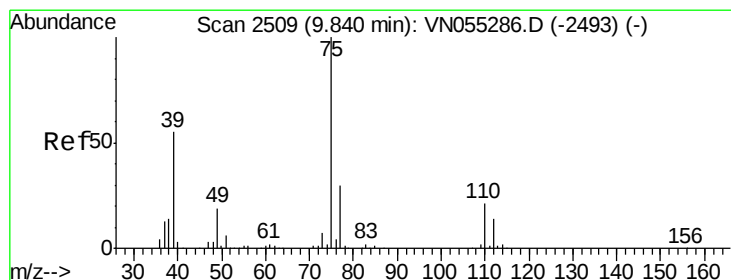
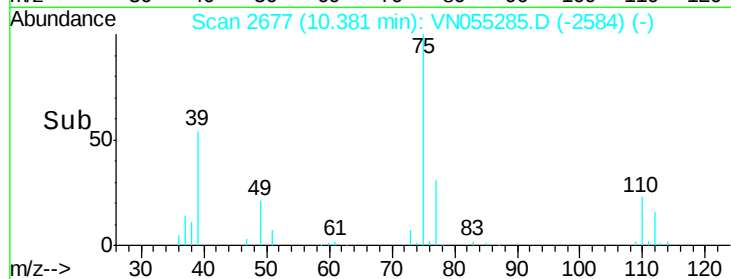
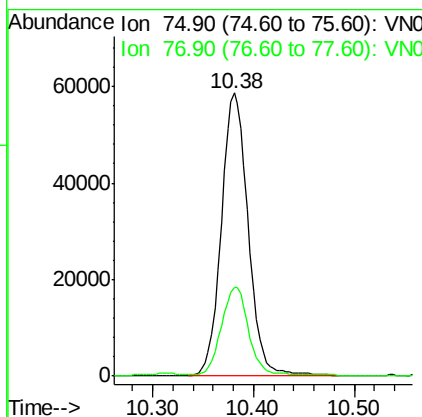
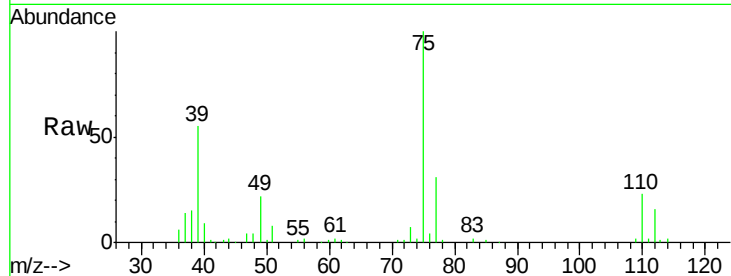
#53
t-1,3-Dichloropropene
Concen: 19.584 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	75	Resp	109433
Ion Ratio	Lower	Upper	
75	100		
77	31.0	24.4	36.6

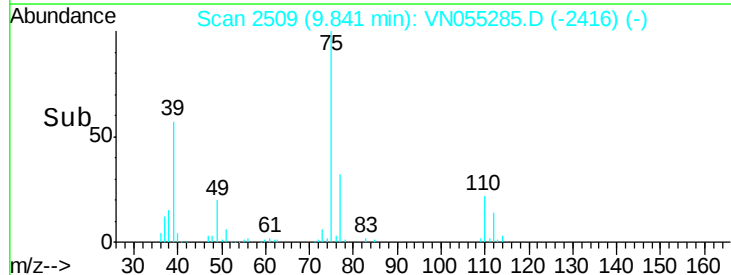
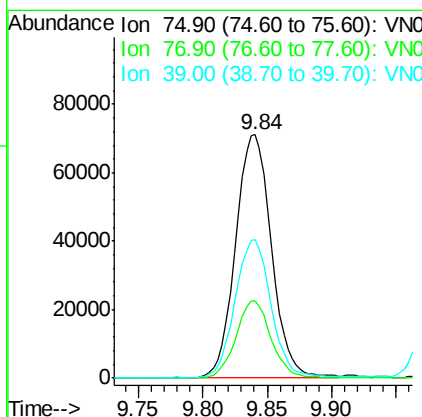
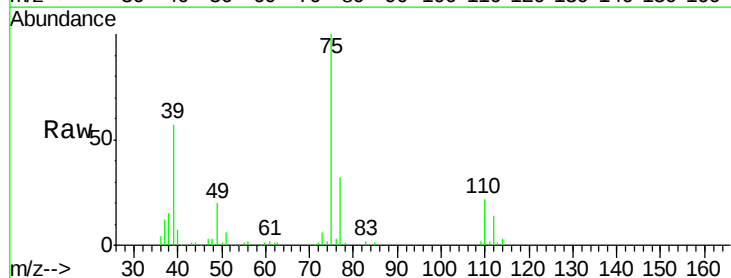
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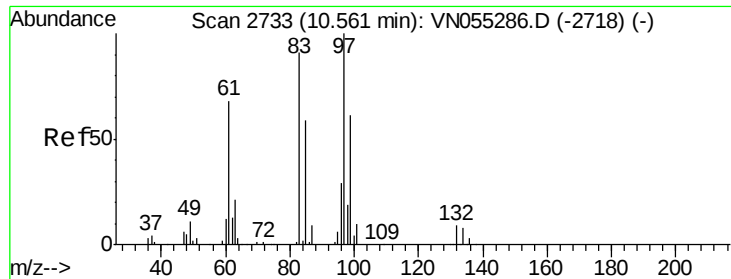
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.917 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion	75	Resp	138102
Ion Ratio	Lower	Upper	
75	100		
77	31.6	24.2	36.2
39	56.7	44.2	66.2





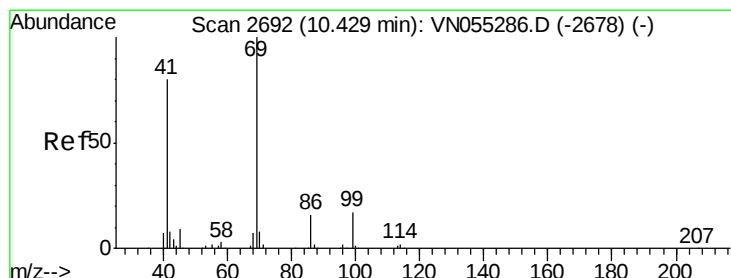
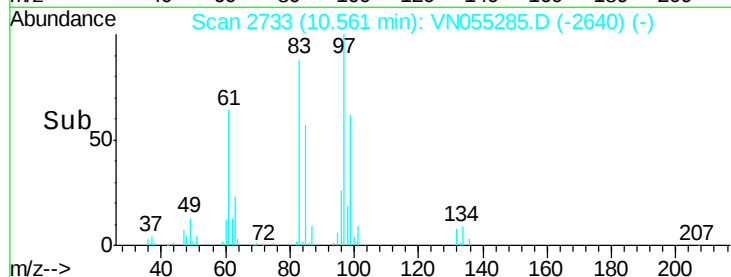
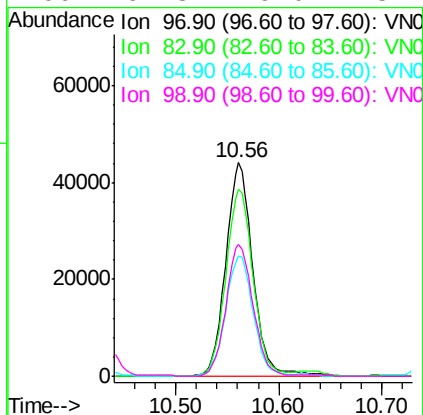
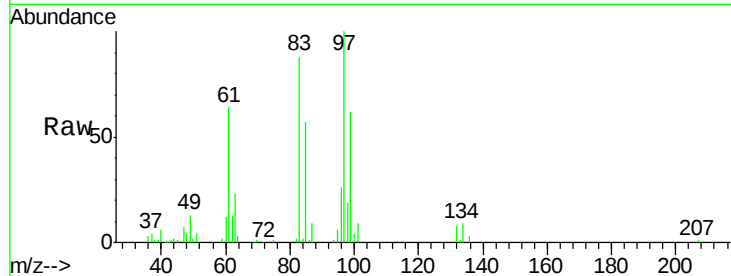
#55
 1,1,2-Trichloroethane
 Concen: 19.756 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	80316
Ion	Ratio	Lower	Upper
97	100		
83	87.5	72.8	109.2
85	56.5	47.0	70.6
99	61.8	49.0	73.4

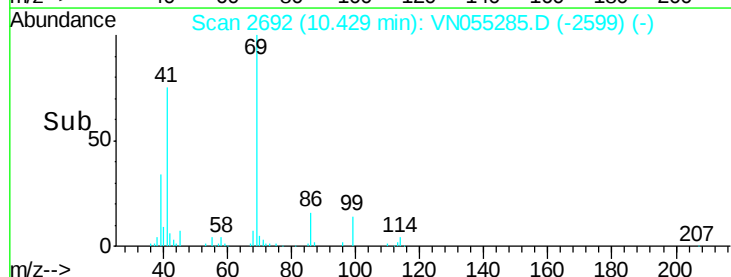
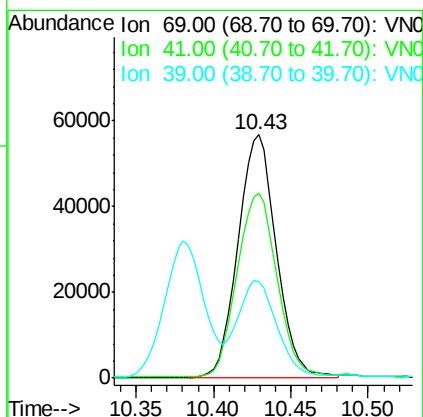
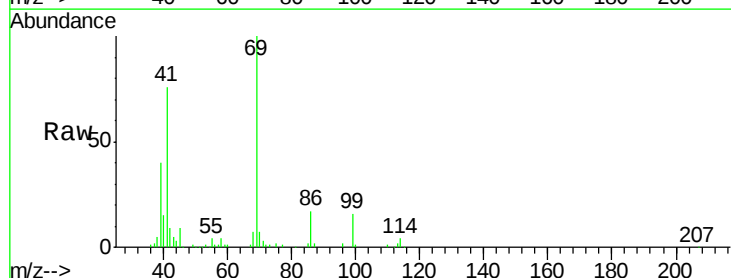
Manual Integrations
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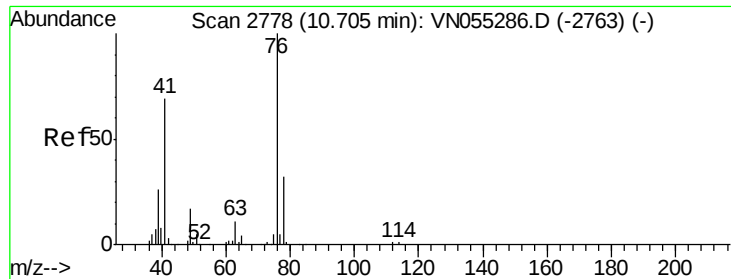
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#56
 Ethyl methacrylate
 Concen: 19.440 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion:	69	Resp:	98158
Ion	Ratio	Lower	Upper
69	100		
41	78.1	62.7	94.1
39	39.2	32.0	48.0





#57

1,3-Dichloropropane

Concen: 19.735 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 139418

Ion Ratio Lower Upper

76 100

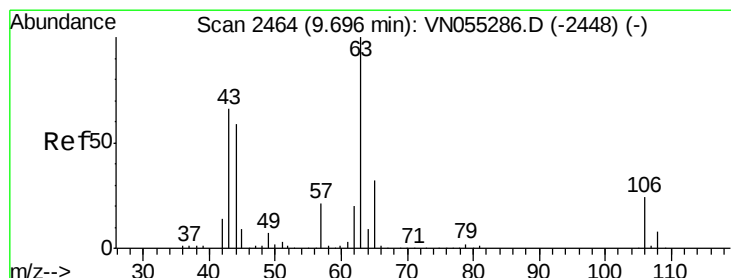
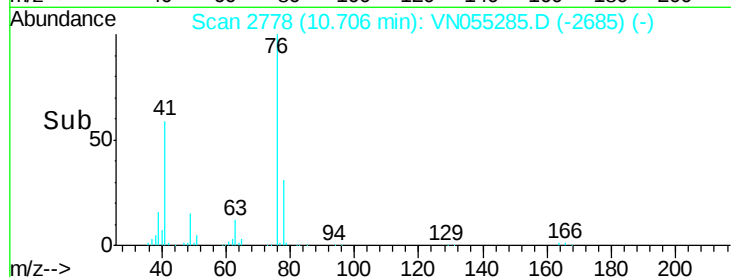
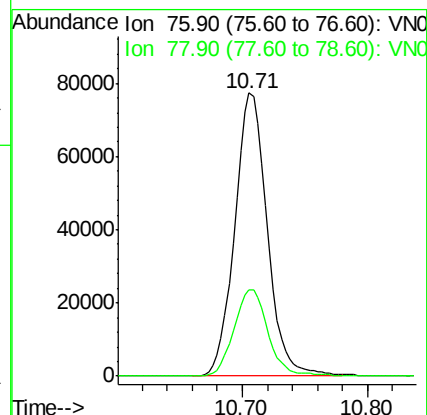
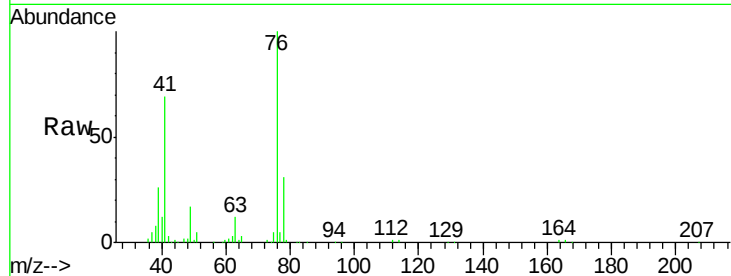
78 32.0 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 85.478 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055285.D

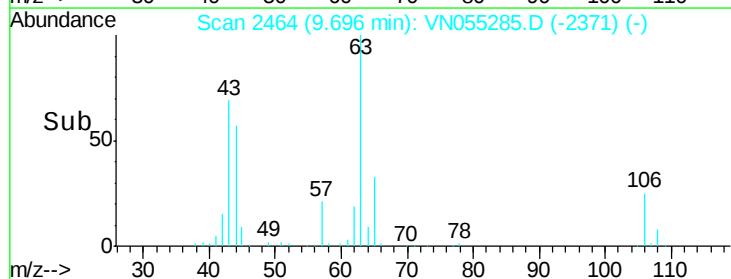
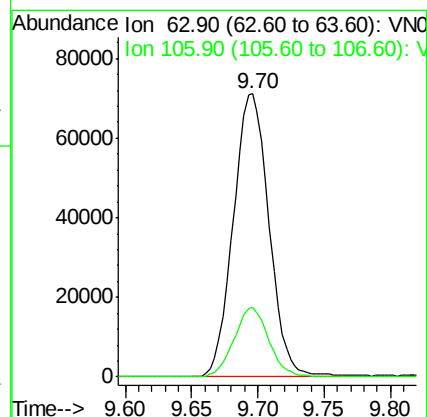
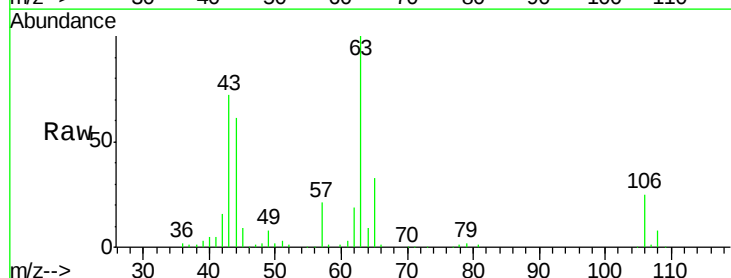
Acq: 29 Apr 2019 11:07

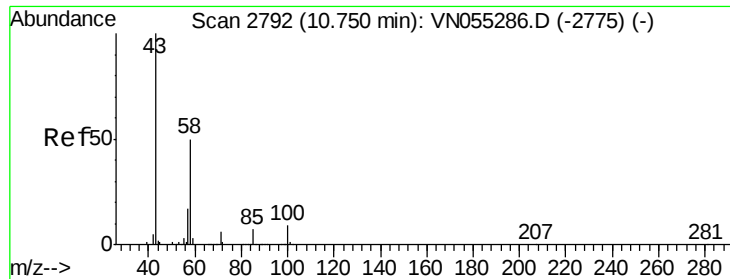
Tgt Ion: 63 Resp: 133208

Ion Ratio Lower Upper

63 100

106 23.9 19.0 28.4





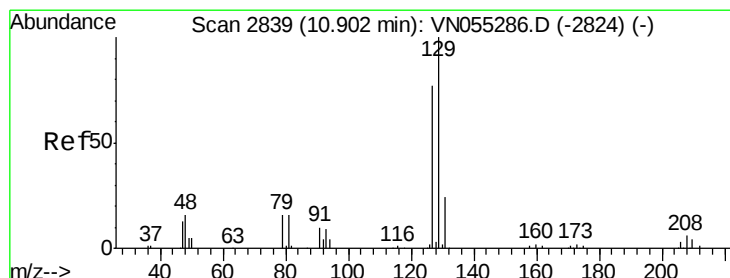
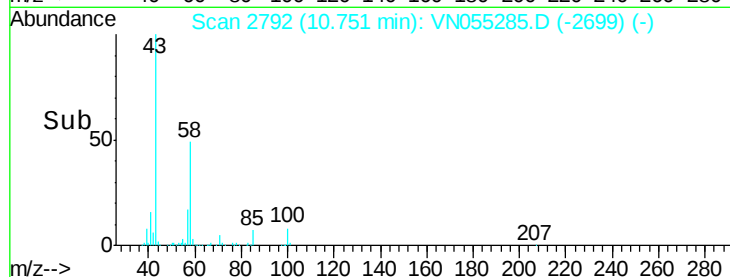
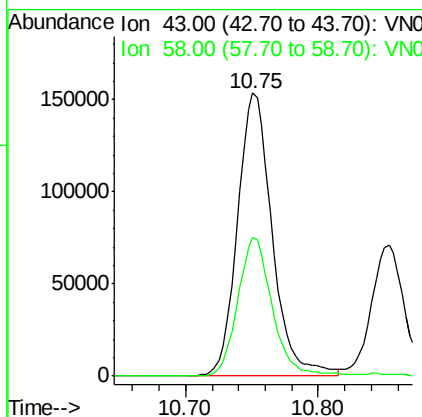
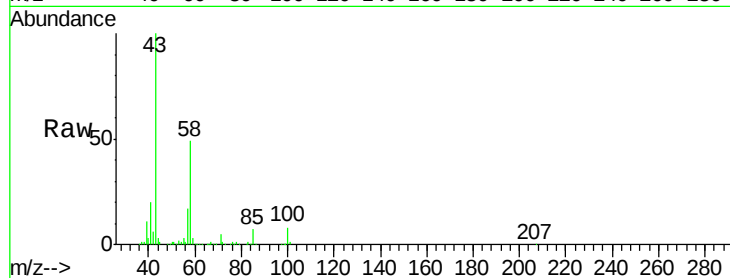
#59
2-Hexanone
Concen: 97.172 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	277588
Ion Ratio	43	100	
Lower	58	49.0	24.9
Upper			74.6

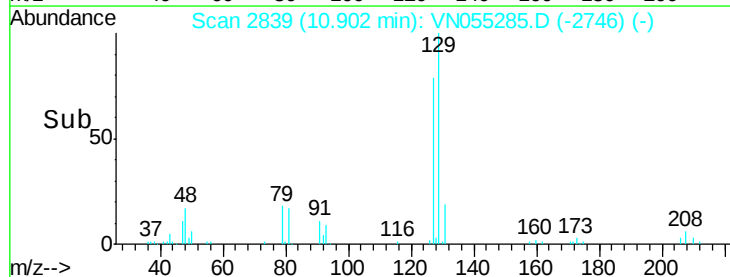
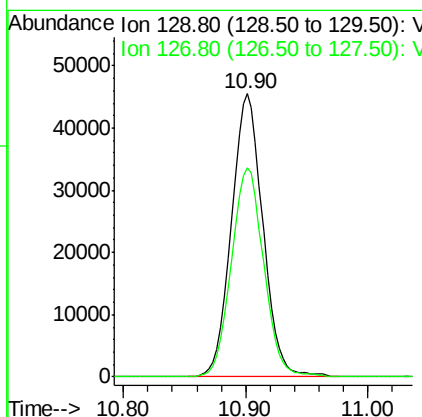
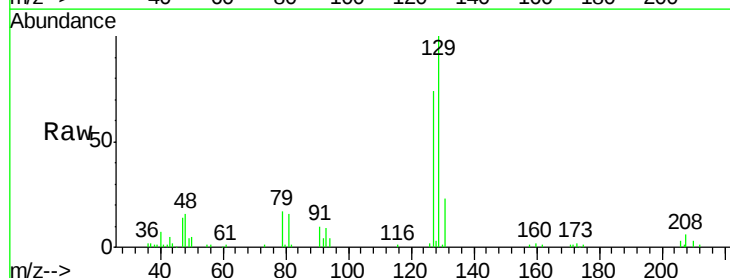
Manual Integrations
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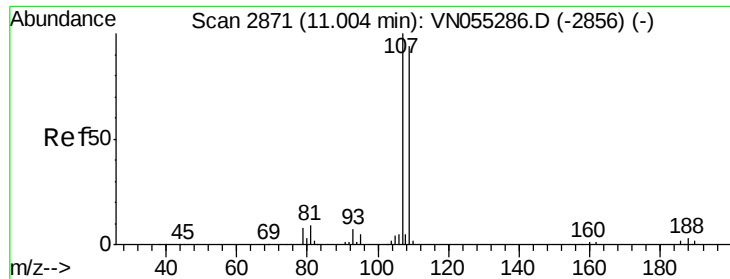
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#60
Dibromochloromethane
Concen: 19.385 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion	129	Resp	81284
Ion Ratio	129	100	
Lower	127	76.1	38.1
Upper			114.5





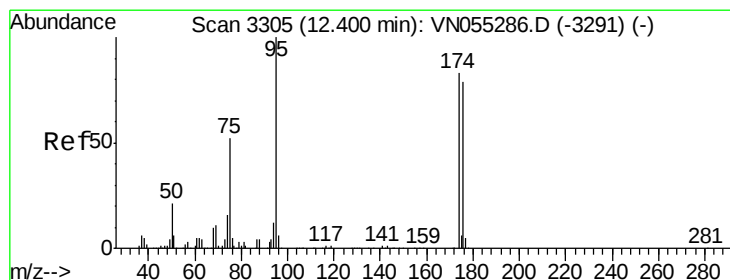
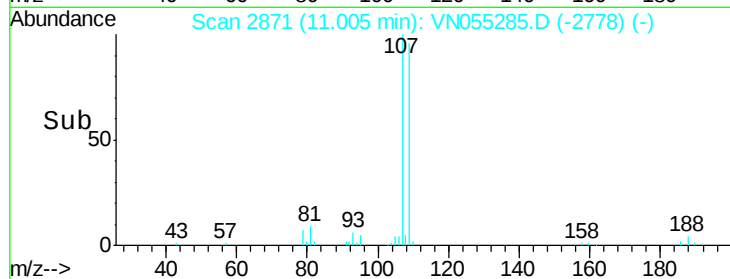
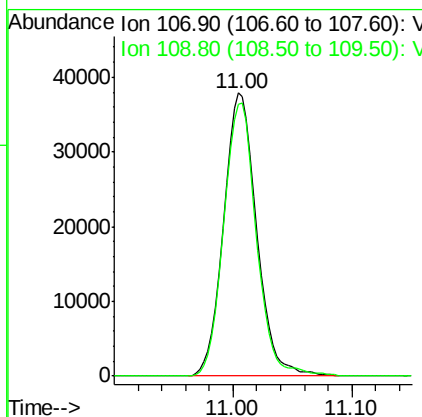
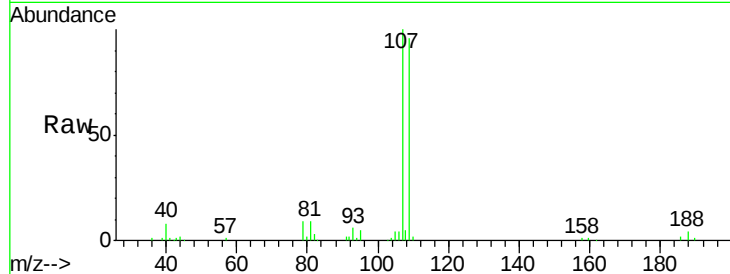
#61
 1,2-Dibromoethane
 Concen: 19.126 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.0	112.6

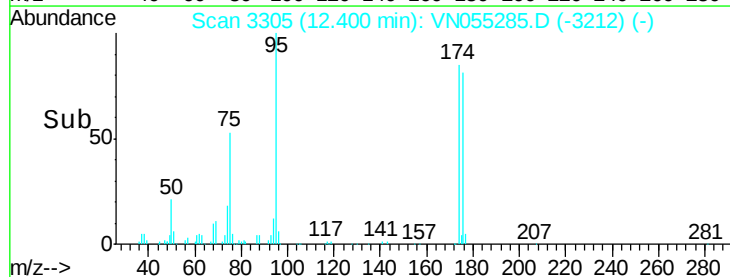
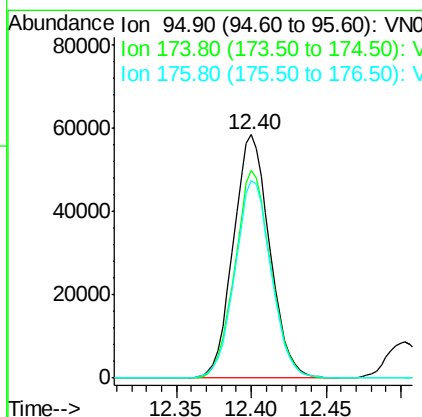
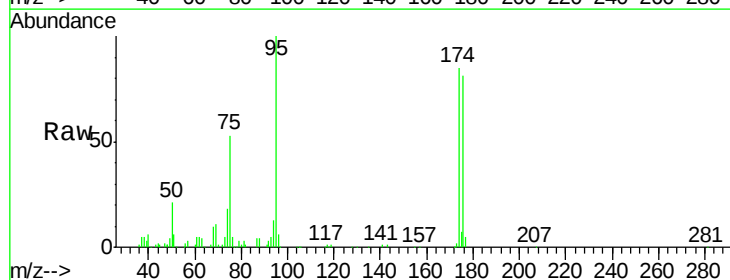
Manual Integrations
 APPROVED

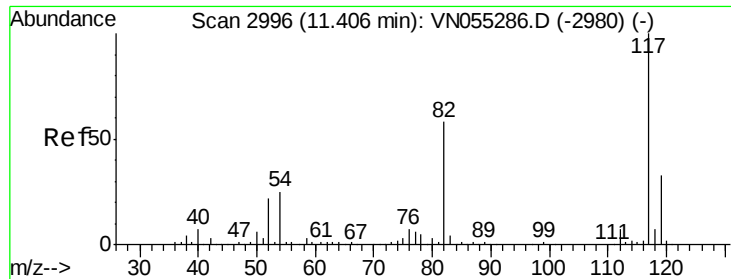
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#62
 4-Bromofluorobenzene
 Concen: 19.032 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	166.6
176	80.8	0.0	157.8





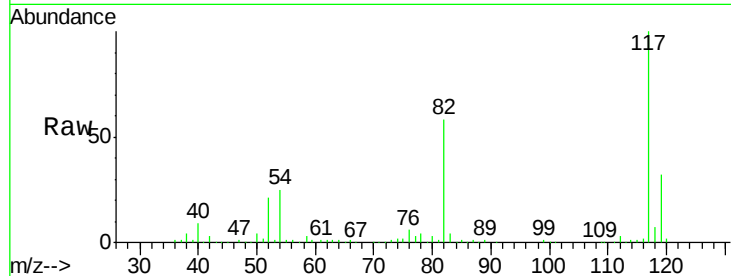
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.2	69.4
119	31.7	26.6	40.0

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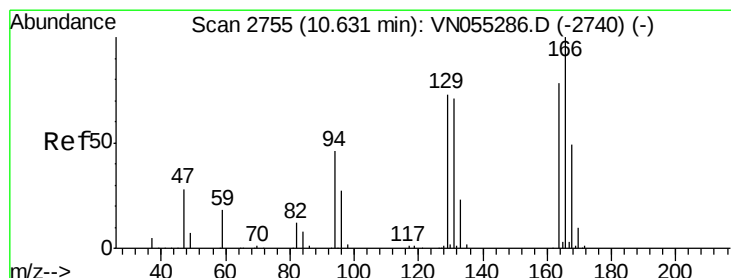
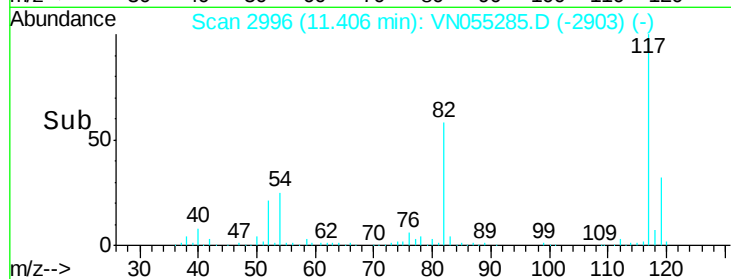
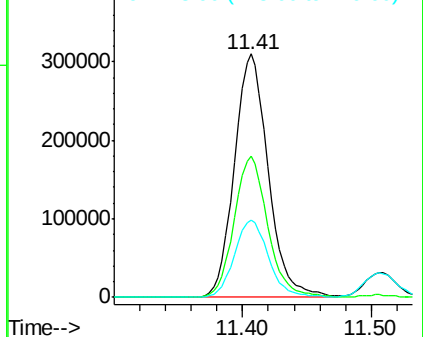


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.518 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.3	153.5
129	93.7	75.0	112.6
131	91.8	72.7	109.1

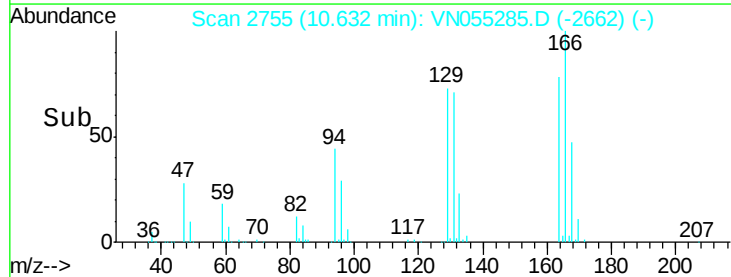
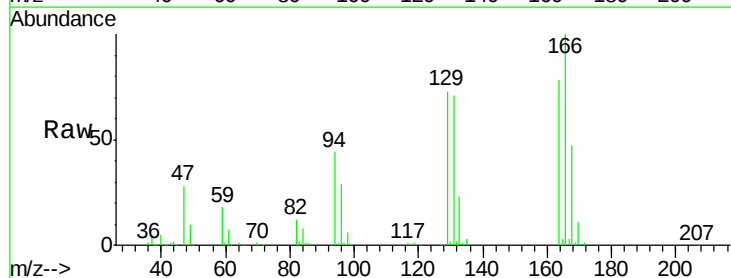
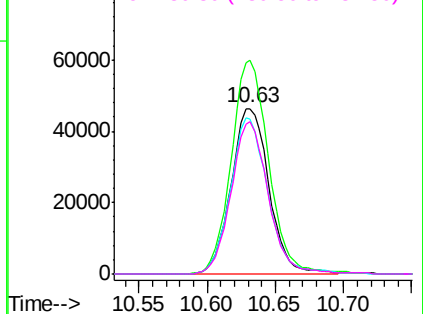
Abundance

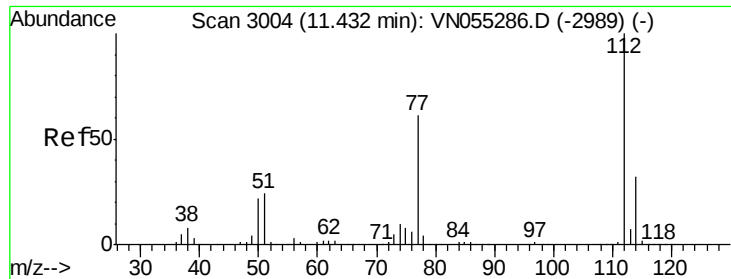
Ion 163.80 (163.50 to 164.50): V

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: 18.888 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 216574

Ion Ratio Lower Upper

112 100

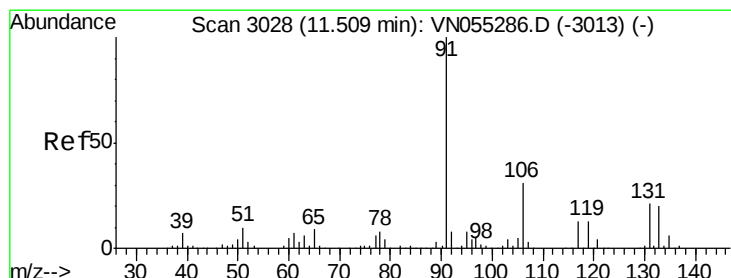
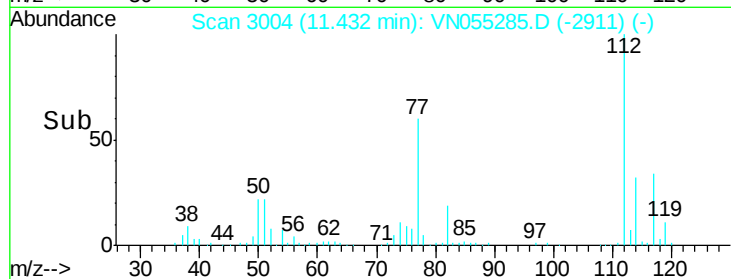
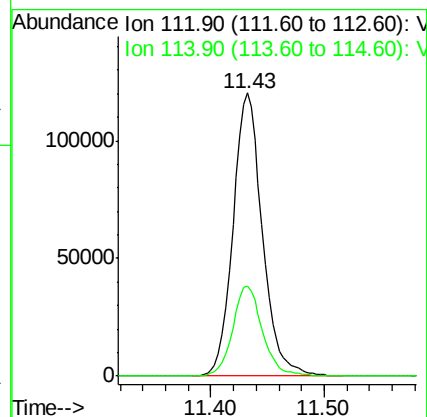
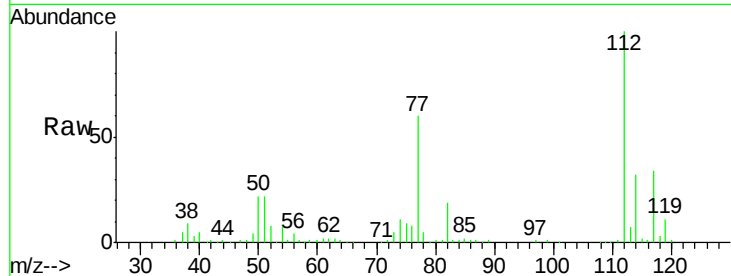
114 32.0 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.414 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

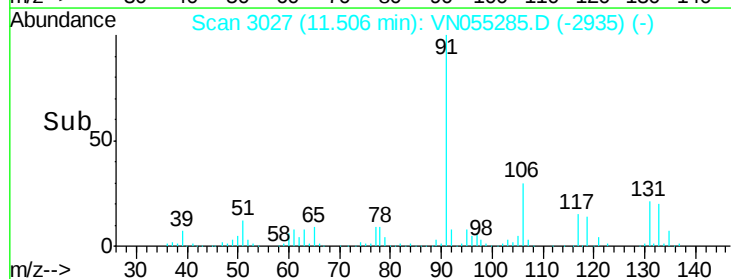
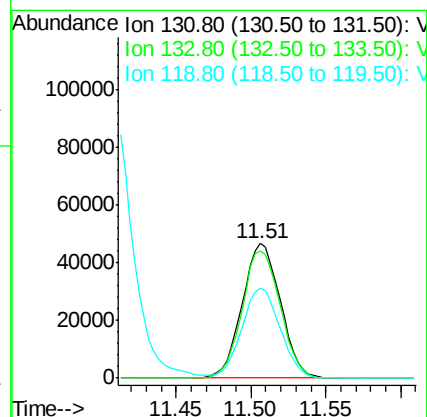
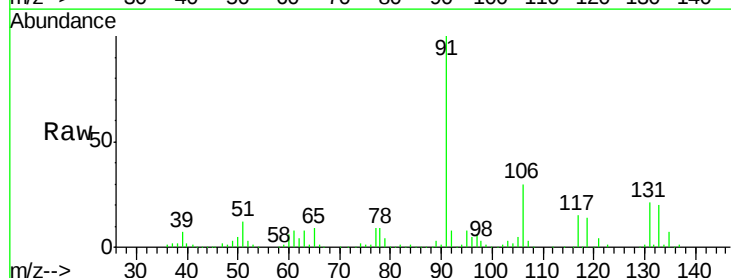
Tgt Ion:131 Resp: 82886

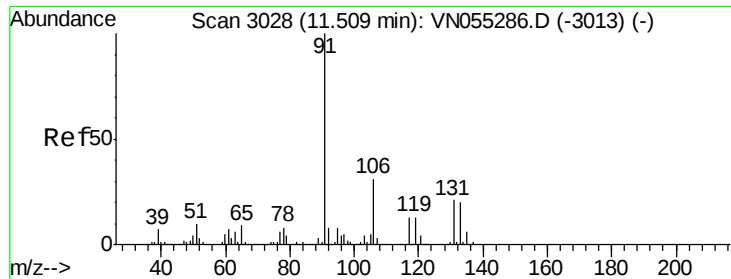
Ion Ratio Lower Upper

131 100

133 94.8 47.5 142.6

119 67.5 32.7 98.1





#67

Ethyl Benzene

Concen: 19.365 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 395800

Ion Ratio Lower Upper

91 100

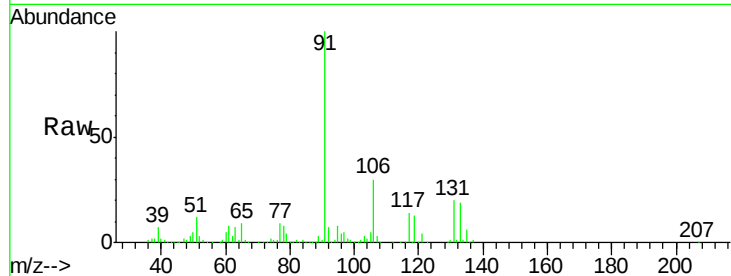
106 29.8 24.6 36.8

Manual Integrations

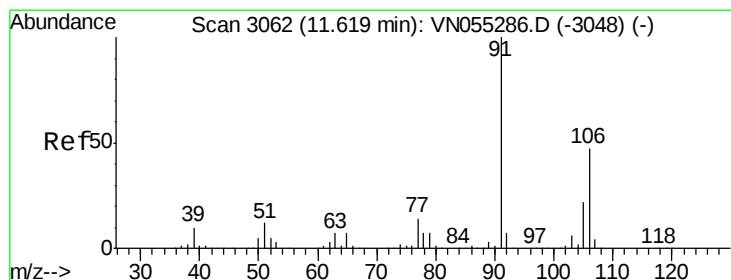
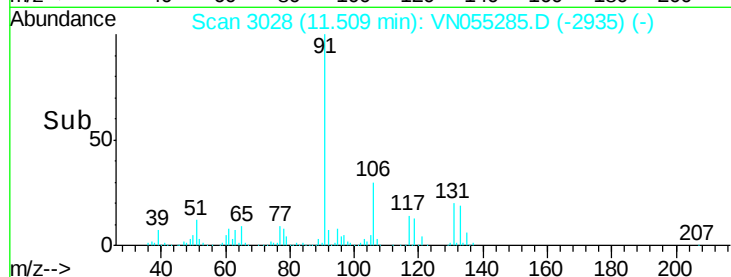
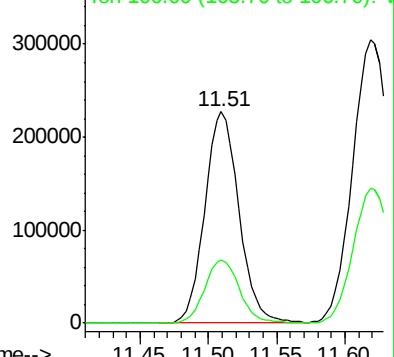
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Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3013) (-)



#68

m/p-Xylenes

Concen: 38.930 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055285.D

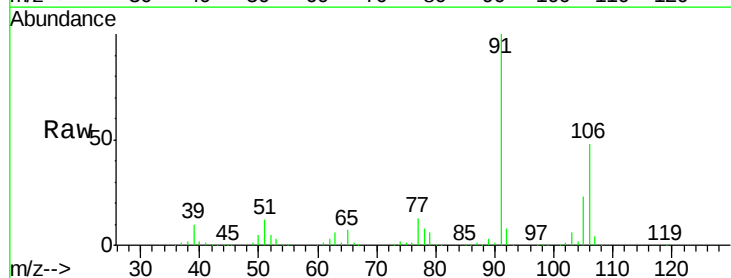
Acq: 29 Apr 2019 11:07

Tgt Ion: 106 Resp: 284454

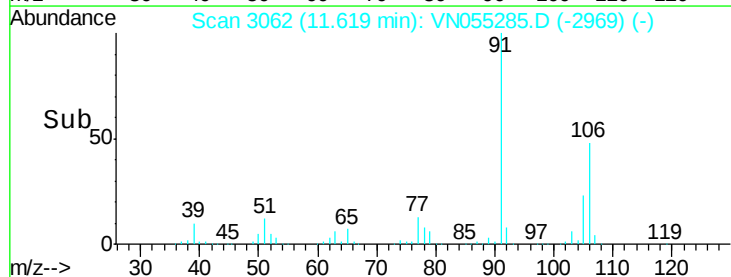
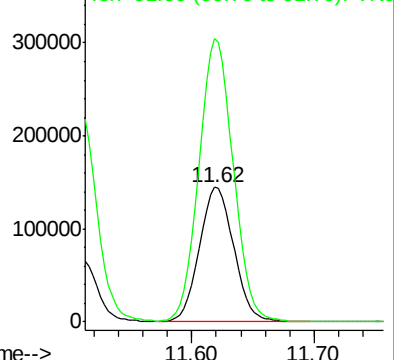
Ion Ratio Lower Upper

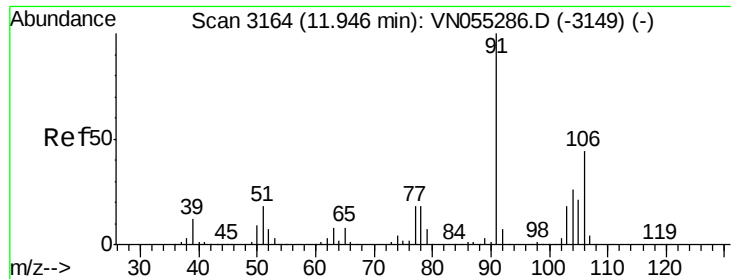
106 100

91 210.1 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): VN055286.D (-3048) (-)





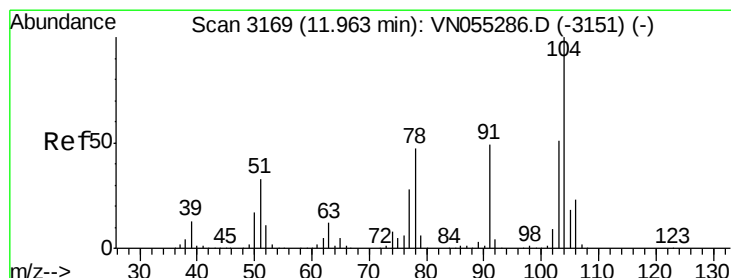
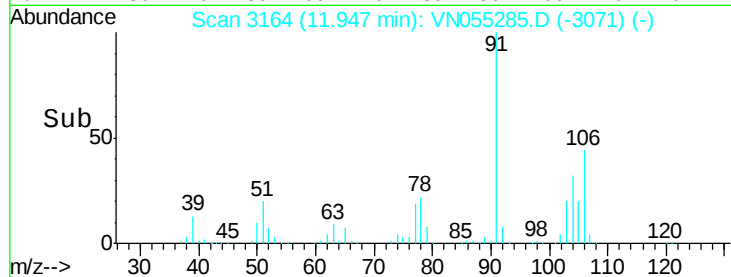
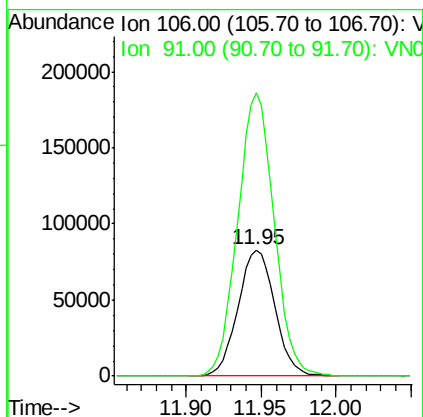
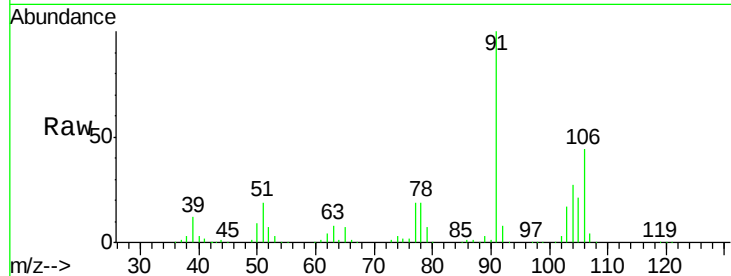
#69
o-Xylene
Concen: 19.600 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 142272
Ion Ratio Lower Upper
106 100
91 222.0 111.5 334.5

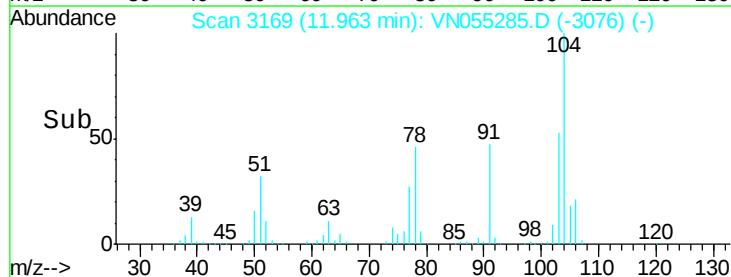
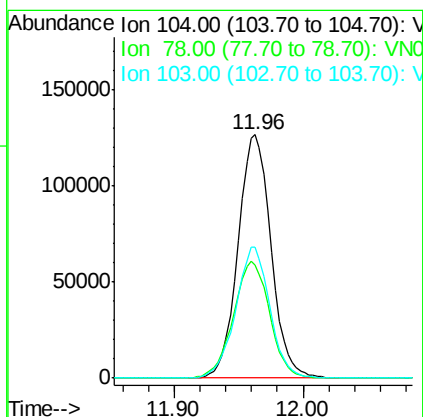
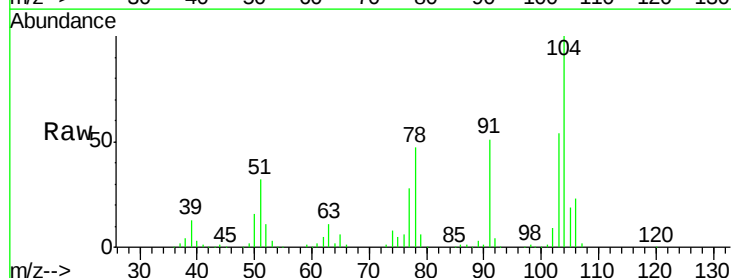
Manual Integrations
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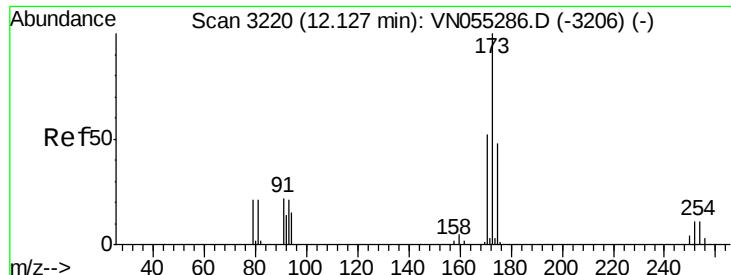
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#70
Styrene
Concen: 20.097 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion:104 Resp: 225605
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 55.7 44.6 67.0





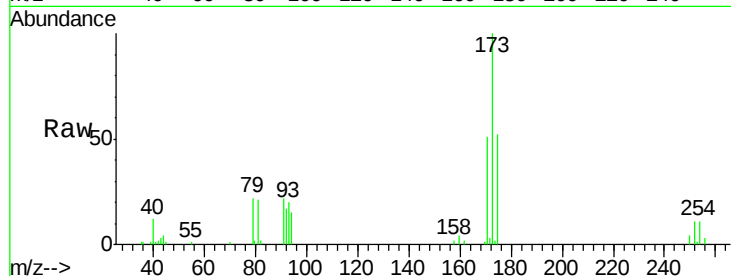
#71
Bromoform
Concen: 18.964 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

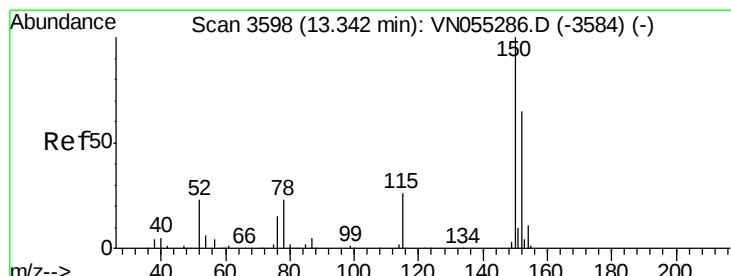
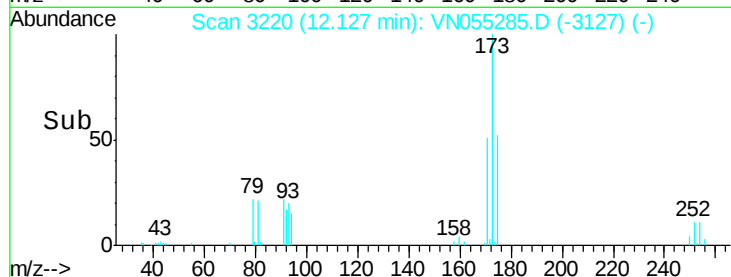
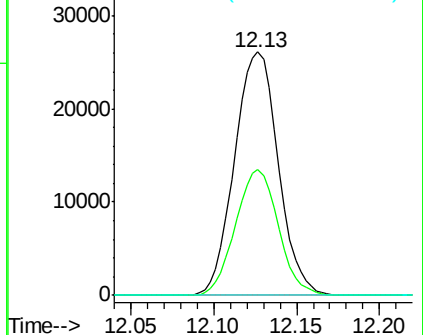
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	23.6	71.0
254	0.0	0.0	0.0

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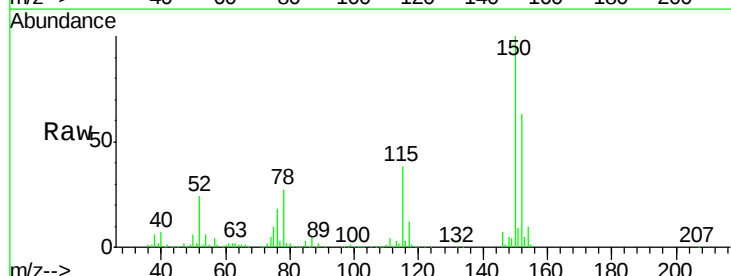


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

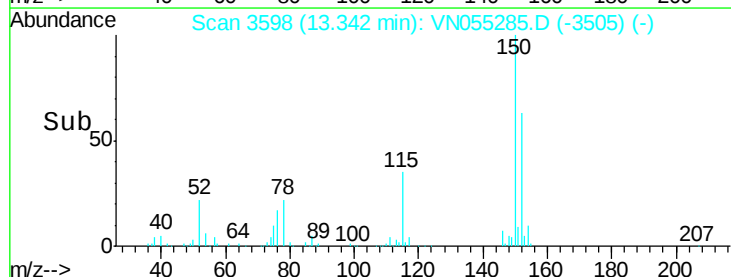
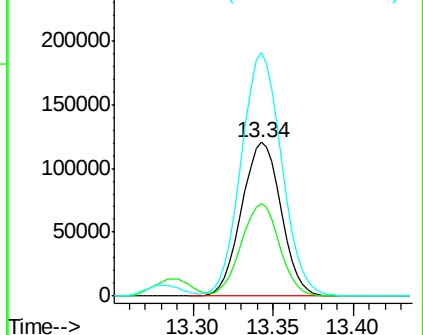


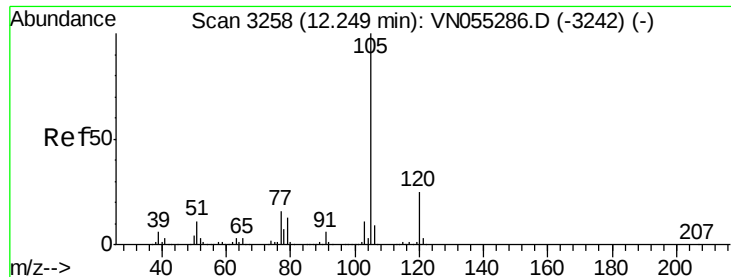
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.0	87.0
150	162.3	0.0	345.6



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





#73

Isopropylbenzene

Concen: 19.192 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 377805

Ion Ratio Lower Upper

105 100

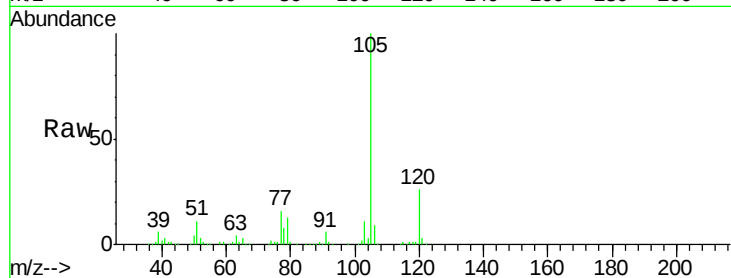
120 26.2 12.9 38.7

Manual Integrations

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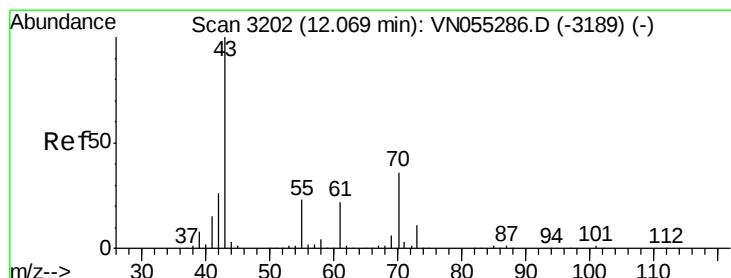
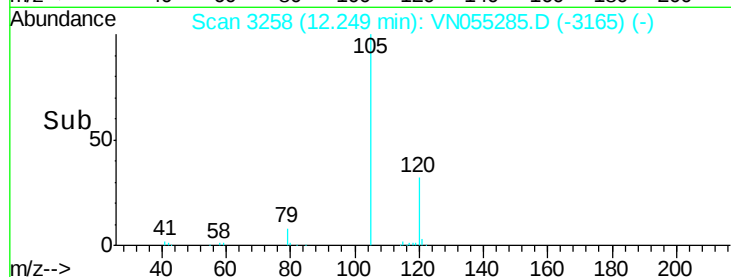
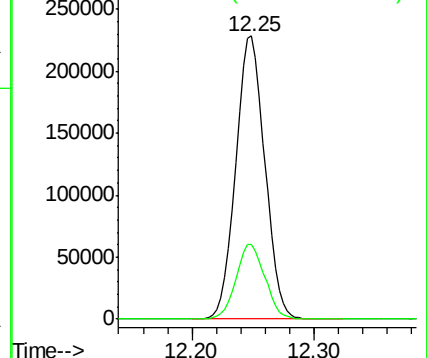
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.703 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Tgt Ion: 43 Resp: 103703

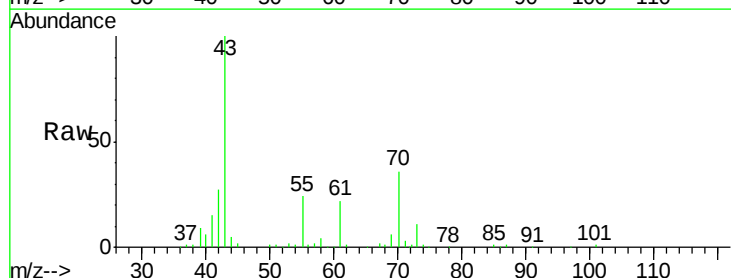
Ion Ratio Lower Upper

43 100

70 34.9 27.9 41.9

55 23.6 18.2 27.2

61 20.7 16.9 25.3

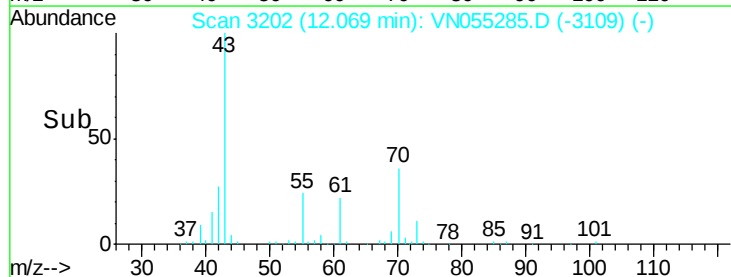
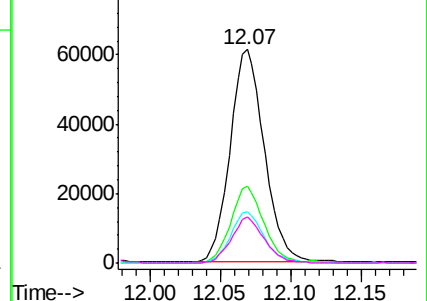


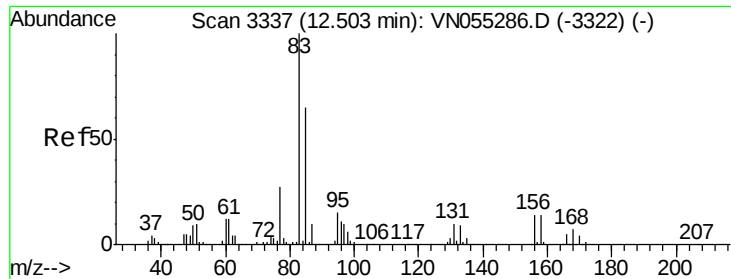
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.289 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

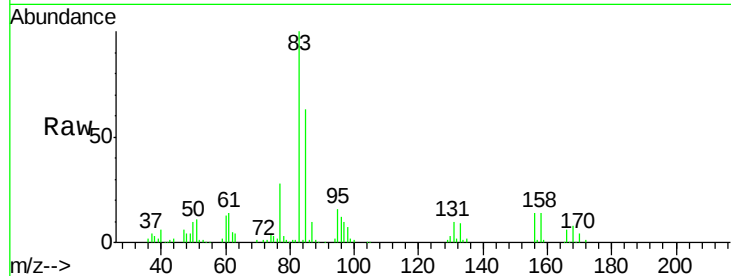
ClientSampleId :

VSTDIC020

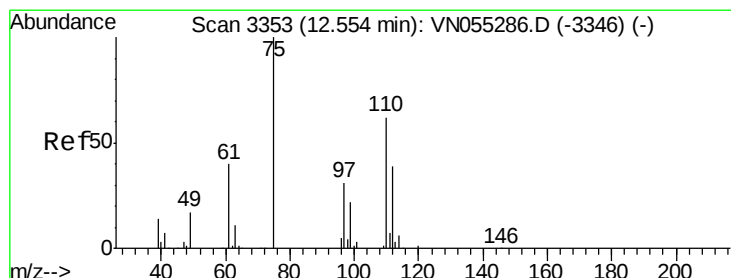
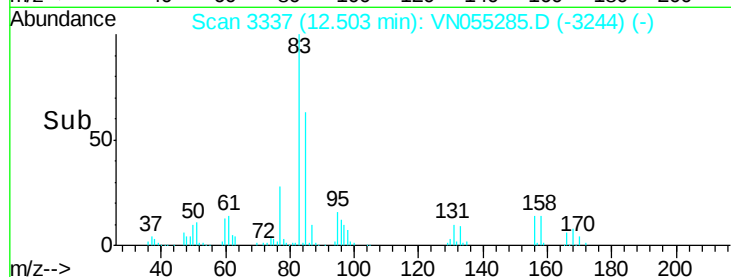
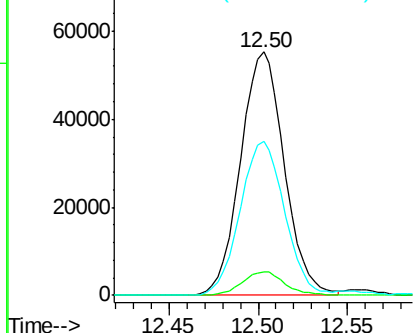
Tot Ion:	83	Resp:	94966
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.1	15.2
85	64.1	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 20.856 ug/l m

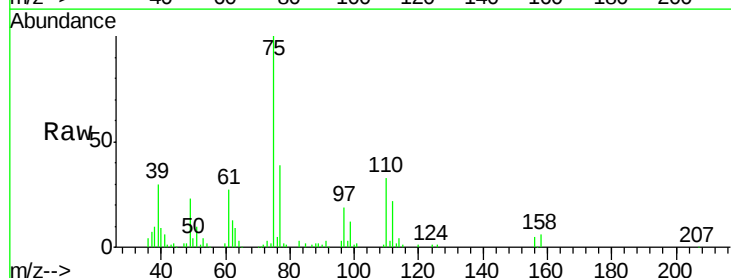
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

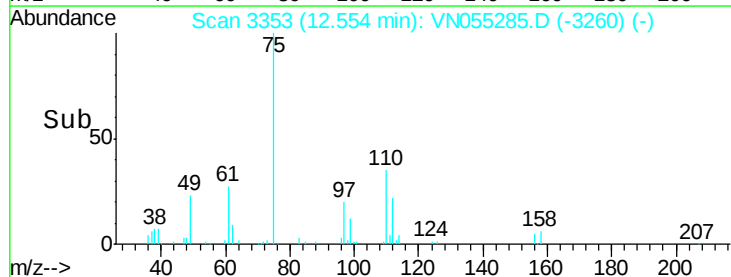
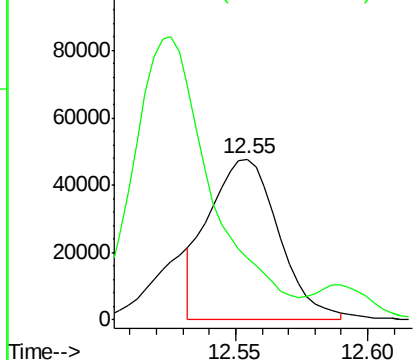
Lab File: VN055285.D

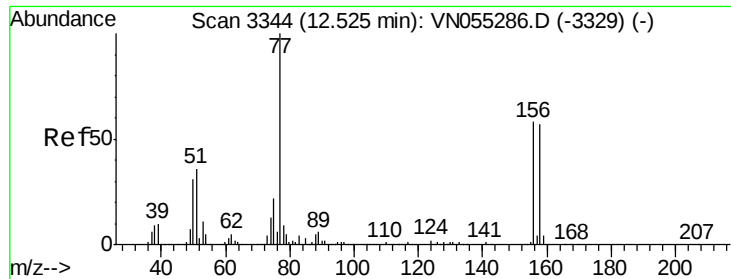
Acq: 29 Apr 2019 11:07

Tgt Ion:	75	Resp:	87496
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.162 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 86242

Ion Ratio Lower Upper

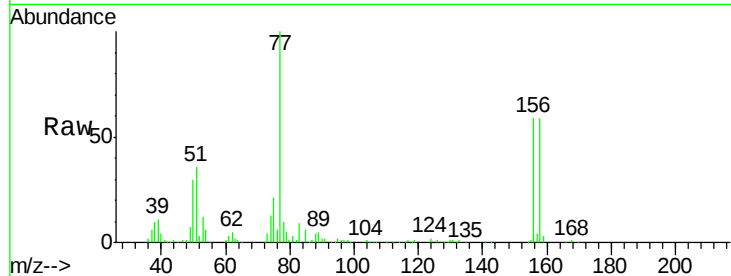
156 100

77 201.8 99.6 298.8

158 98.7 49.3 147.8

Manual Integrations
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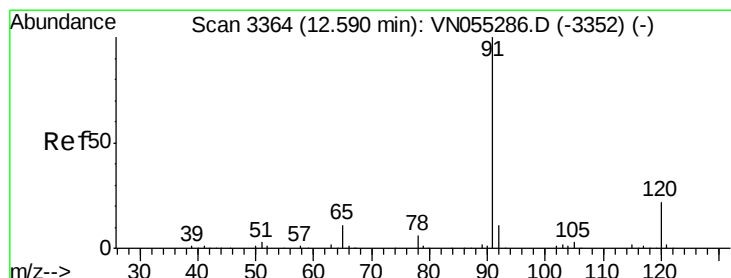
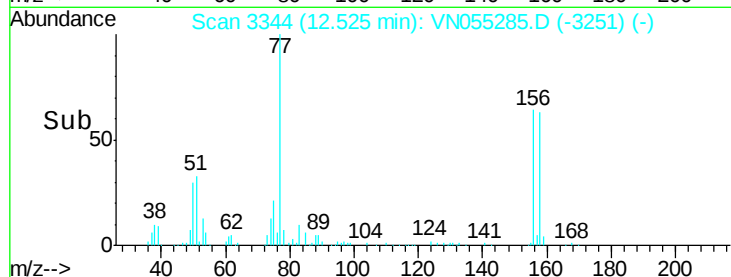
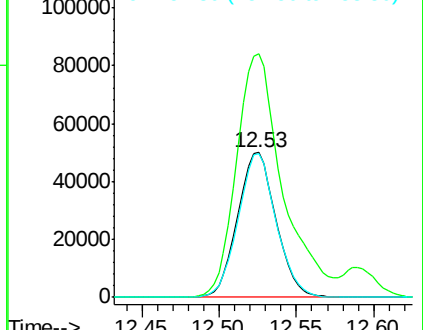
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.676 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055285.D

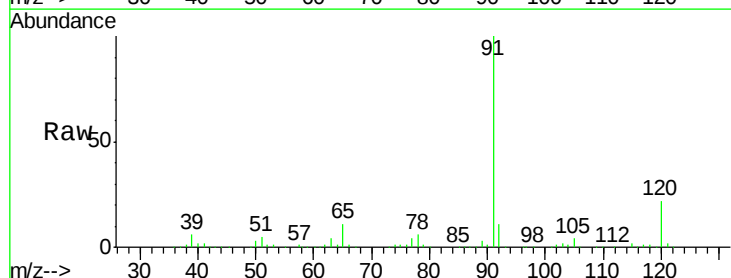
Acq: 29 Apr 2019 11:07

Tgt Ion: 91 Resp: 403951

Ion Ratio Lower Upper

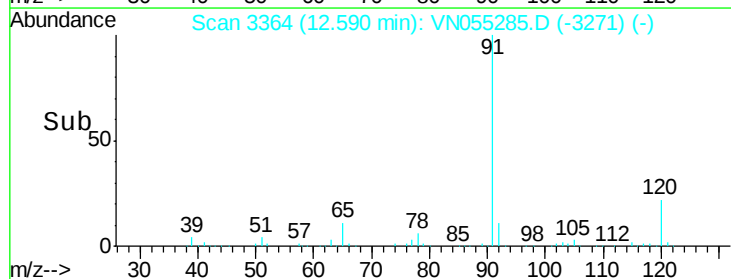
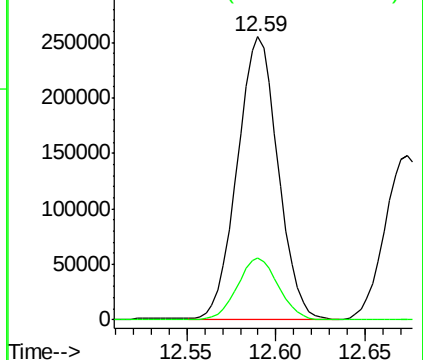
91 100

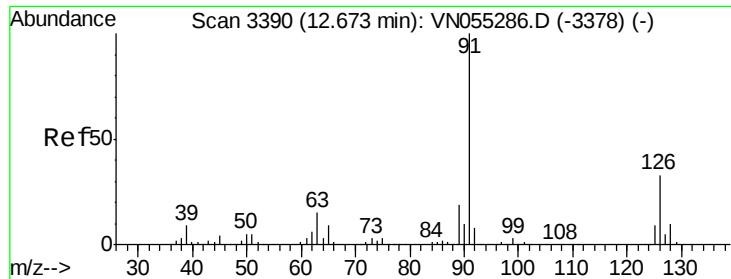
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.446 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 252074

Ion Ratio Lower Upper

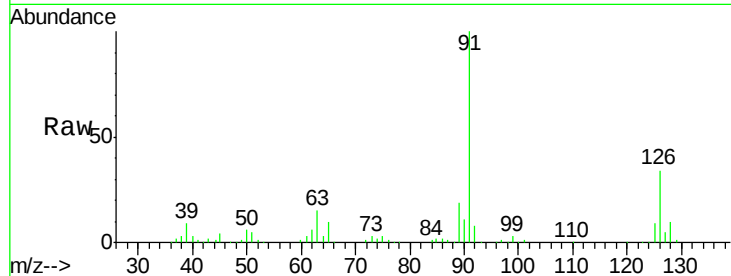
91 100

126 34.5 16.6 49.7

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Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)

250000

200000

150000

100000

50000

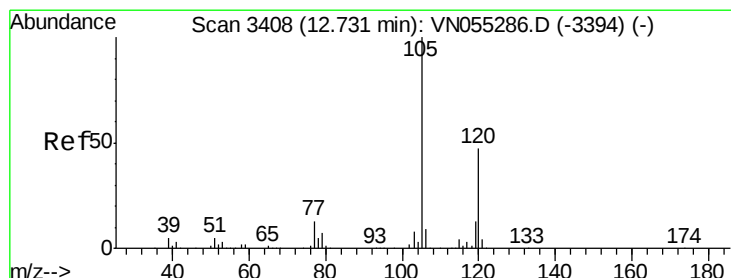
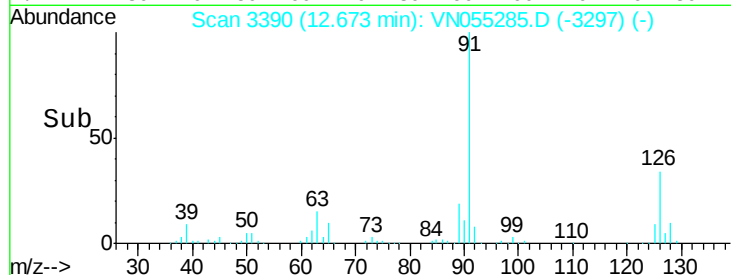
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.000 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055285.D

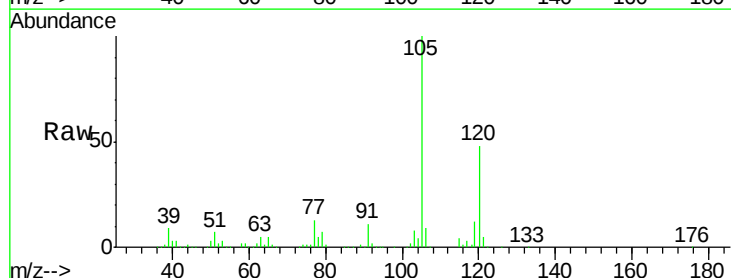
Acq: 29 Apr 2019 11:07

Tgt Ion: 105 Resp: 306068

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)

200000

150000

100000

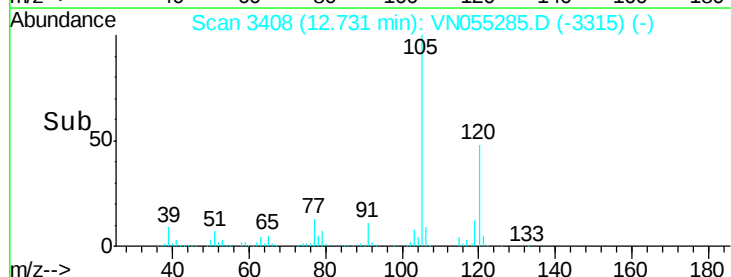
50000

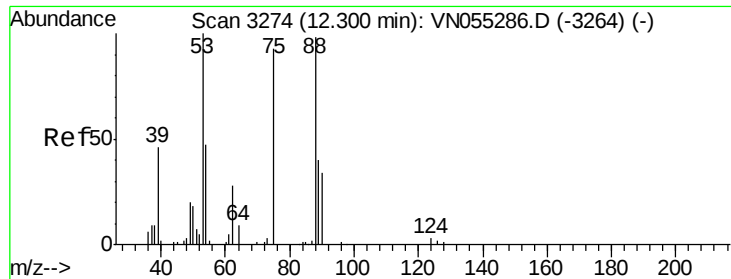
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.246 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 19992

Ion Ratio Lower Upper

75 100

53 127.0 86.3 129.5

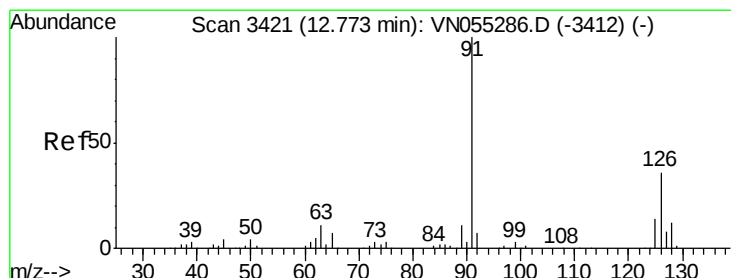
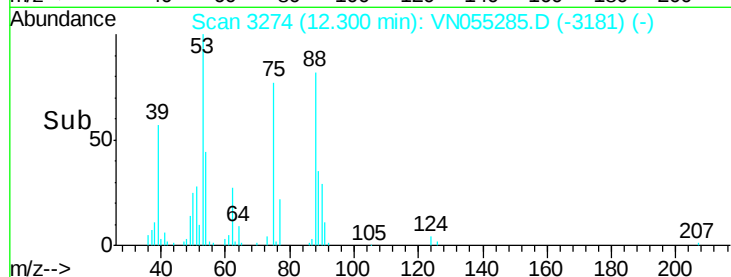
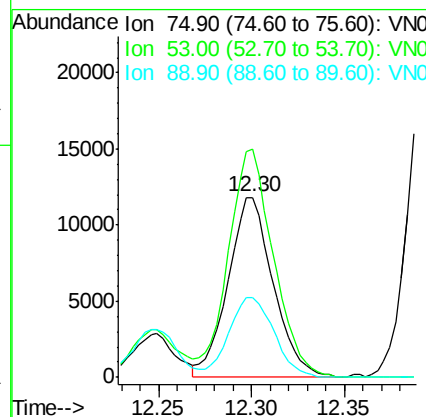
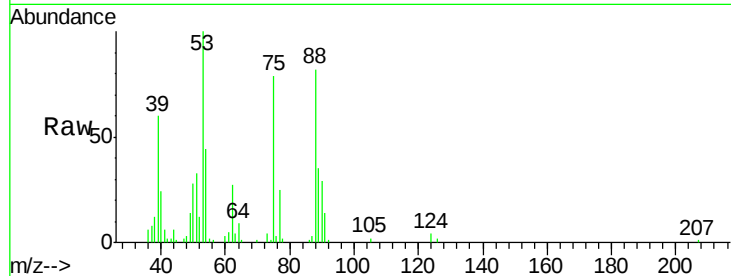
89 44.6 34.6 51.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.780 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055285.D

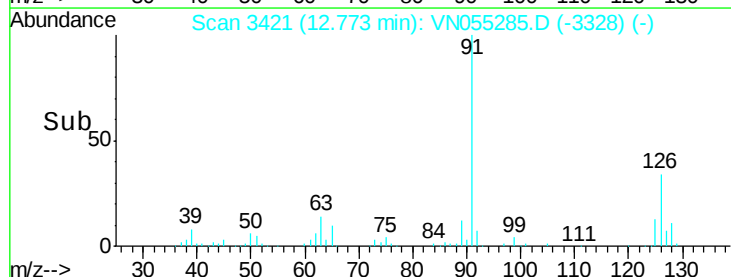
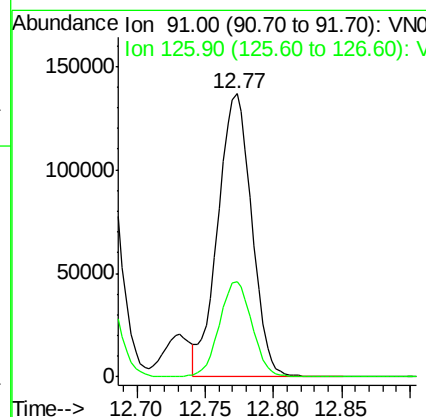
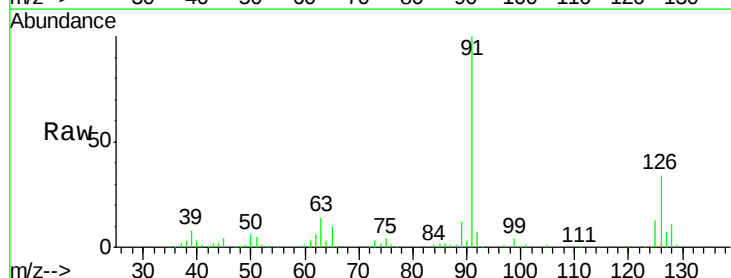
Acq: 29 Apr 2019 11:07

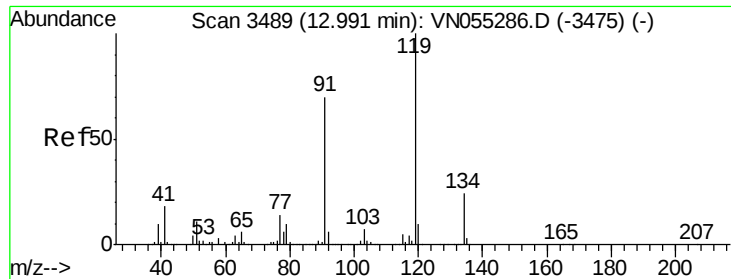
Tgt Ion: 91 Resp: 234928

Ion Ratio Lower Upper

91 100

126 32.6 16.6 49.7





#83

tert-Butylbenzene

Concen: 19.105 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

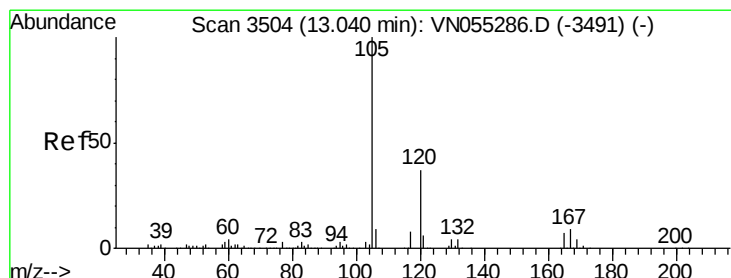
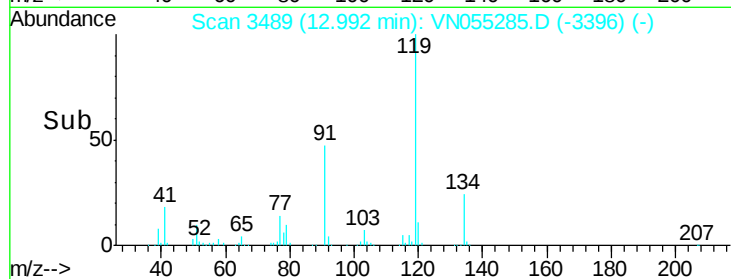
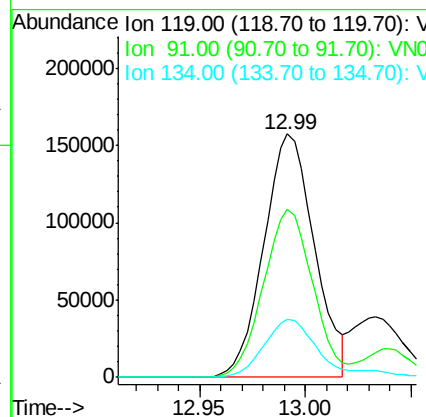
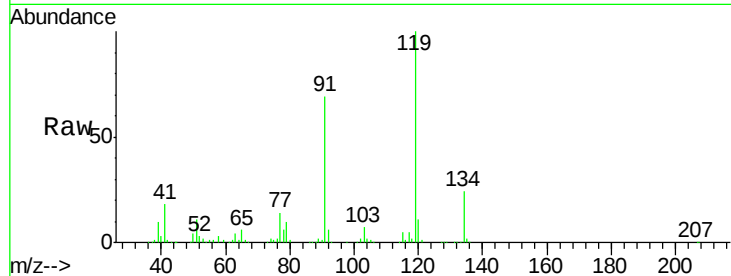
ClientSampled :

VSTDIC020

Tot Ion:	119	Resp:	261709
Ion Ratio	Lower	Upper	
119	100		
91	67.7	34.3	102.9
134	26.6	13.1	39.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.992 ug/l

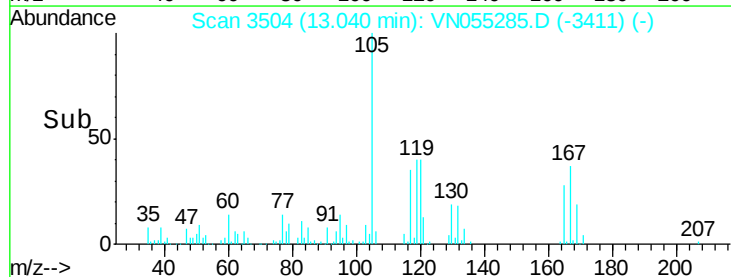
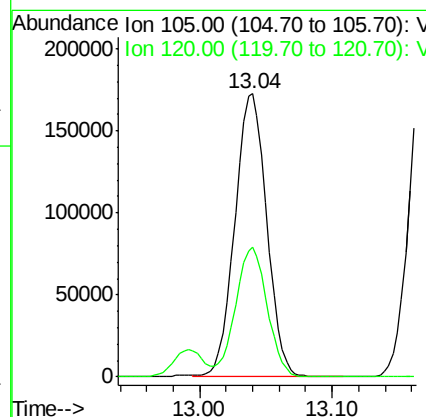
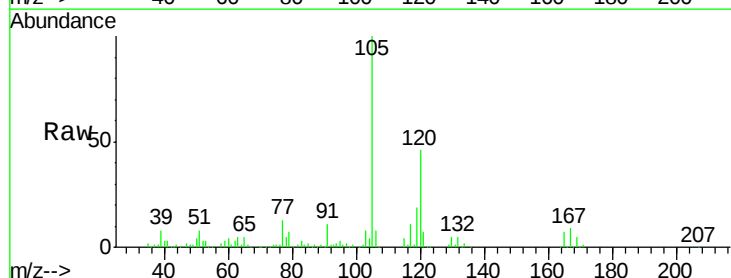
RT: 13.04 min Scan# 3504

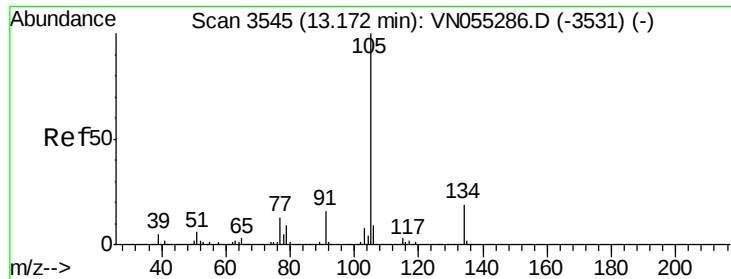
Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Tgt Ion:	105	Resp:	288340
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.1	66.5





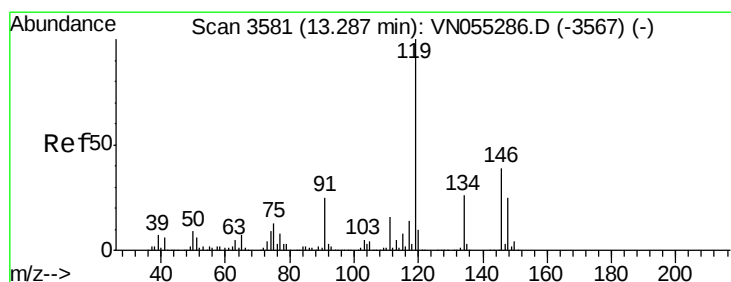
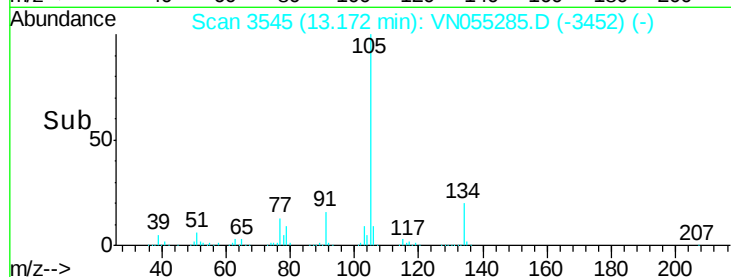
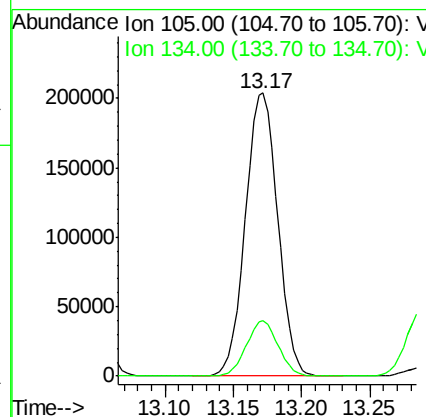
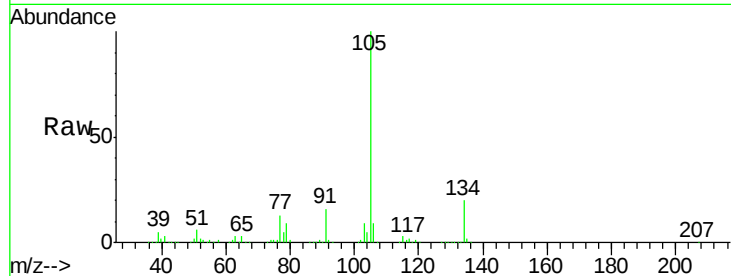
#85
 sec-Butylbenzene
 Concen: 19.358 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8

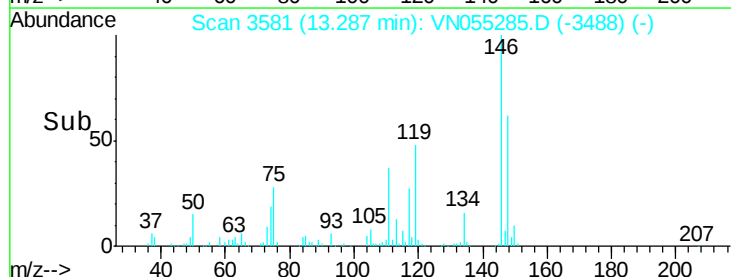
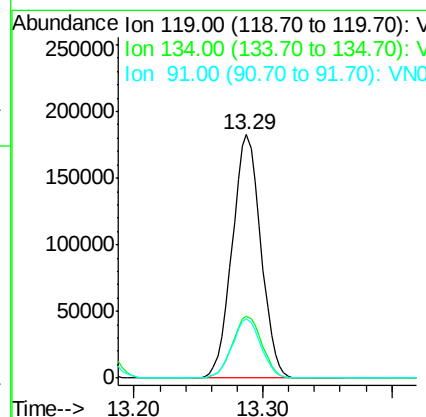
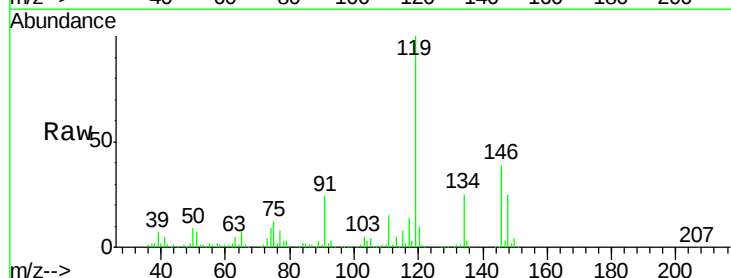
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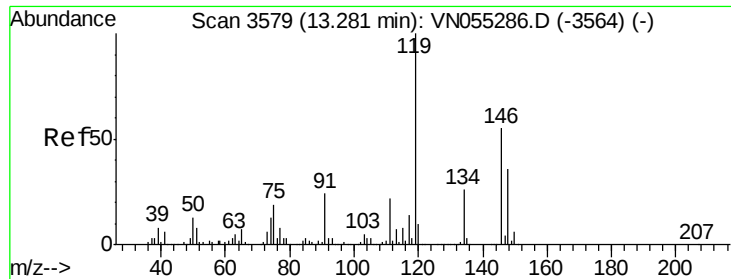
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#86
 p-Isopropyltoluene
 Concen: 19.706 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	24.2	12.2	36.6





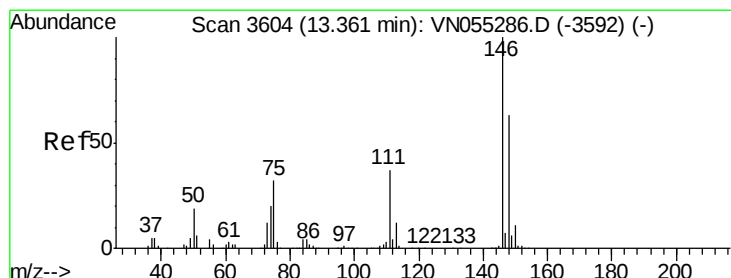
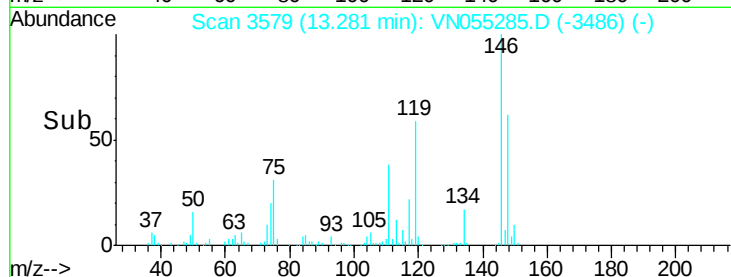
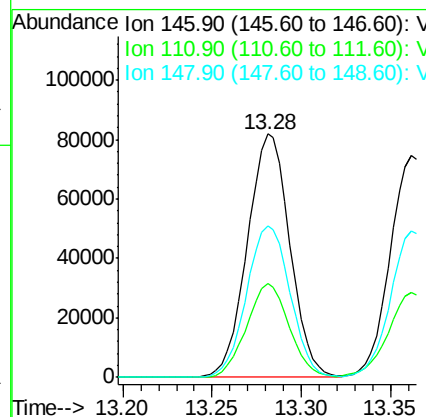
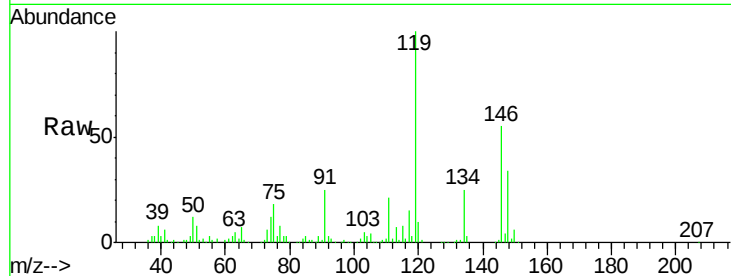
#87
 1,3-Dichlorobenzene
 Concen: 19.815 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.3	60.8
148	63.8	32.5	97.5

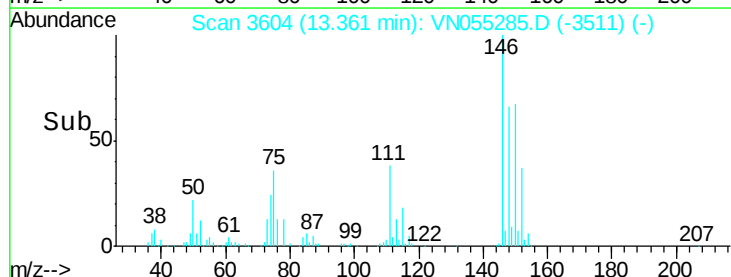
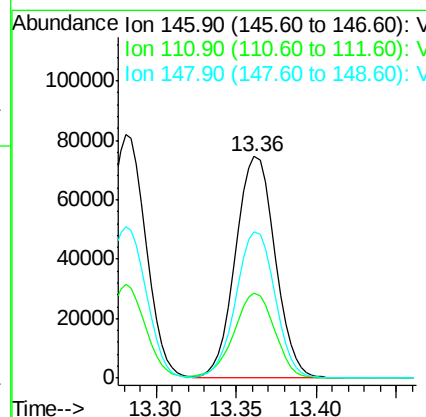
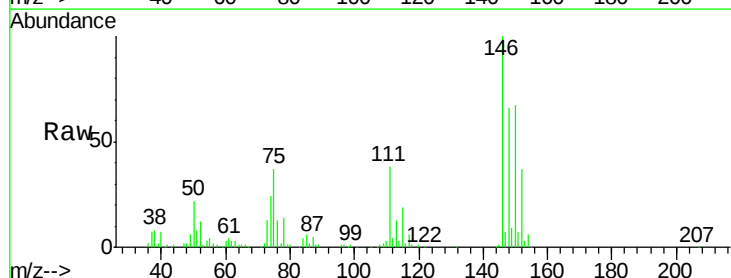
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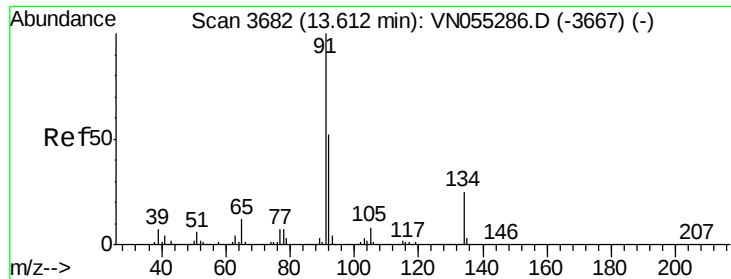
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#88
 1,4-Dichlorobenzene
 Concen: 18.812 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	65.2	32.5	97.4





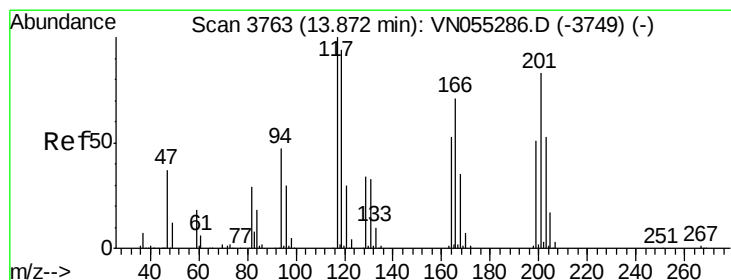
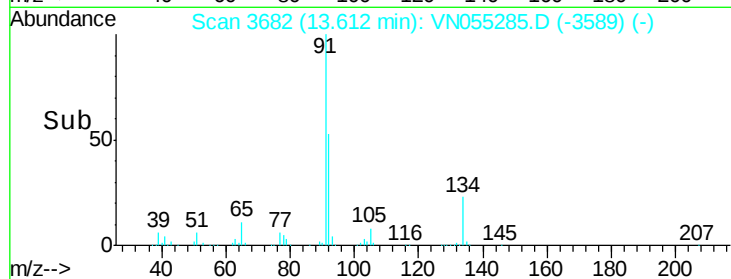
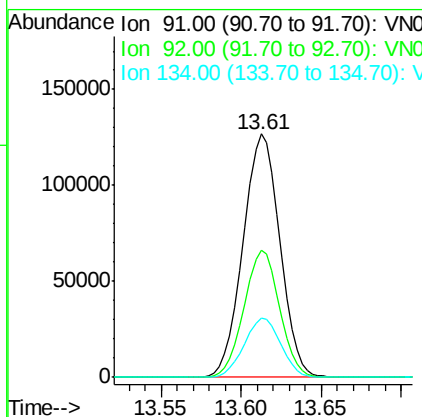
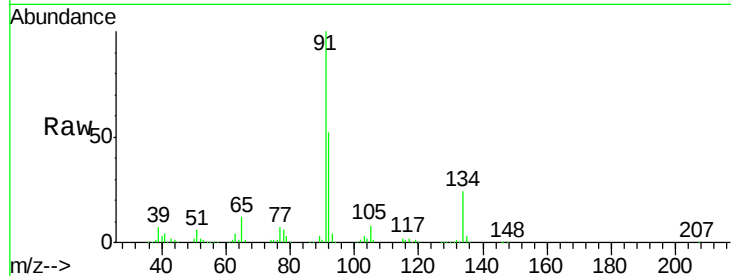
#89
n-Butylbenzene
Concen: 18.935 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.1	78.3
134	24.3	12.4	37.4

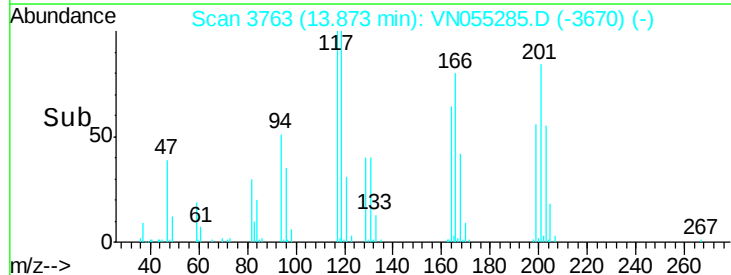
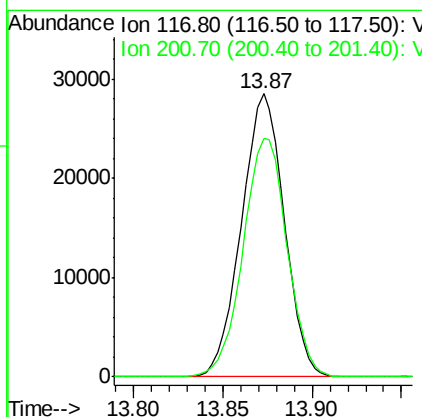
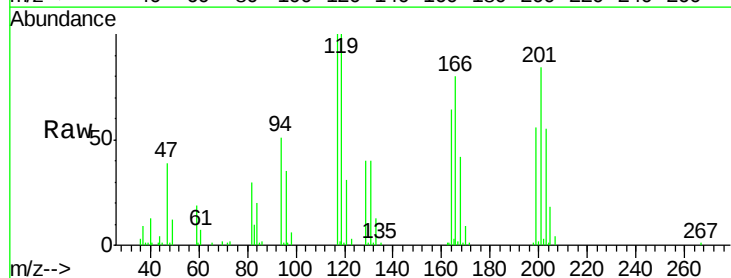
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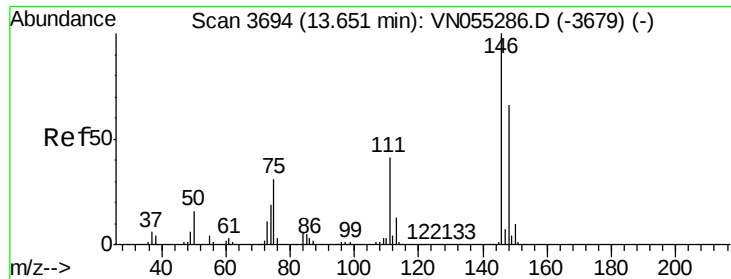
MMDadoda
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#90
Hexachloroethane
Concen: 18.751 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055285.D
Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.5	41.9	125.8





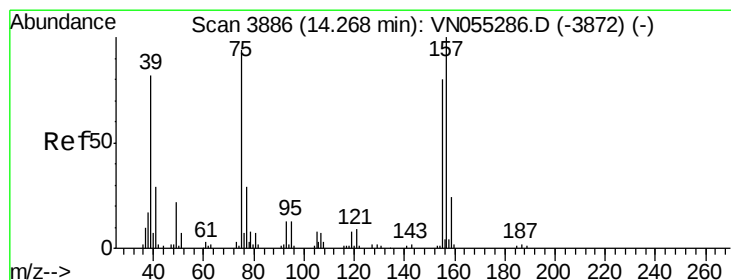
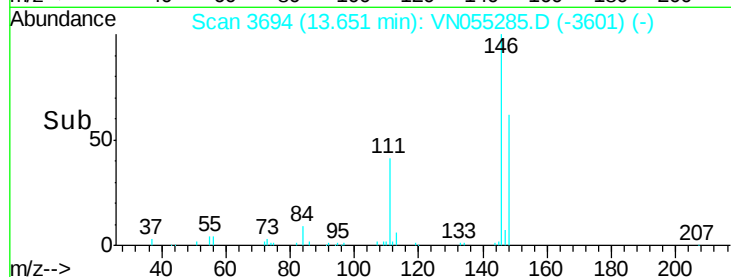
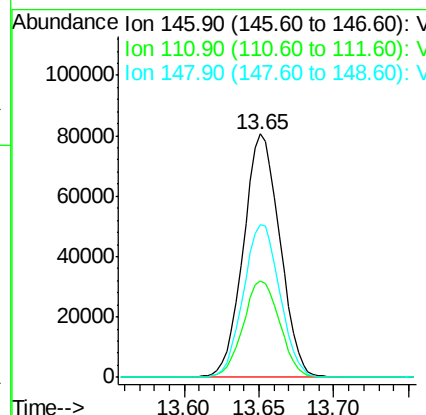
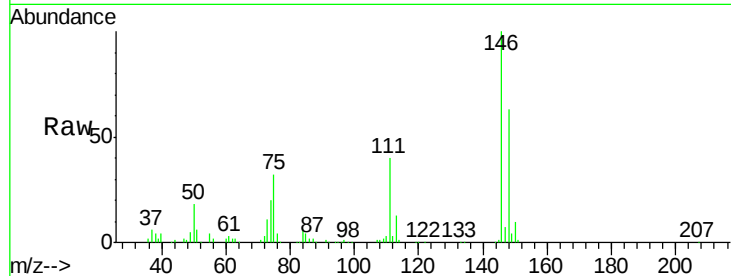
#91
 1,2-Dichlorobenzene
 Concen: 19.438 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	61.0
148	62.7	32.4	97.2

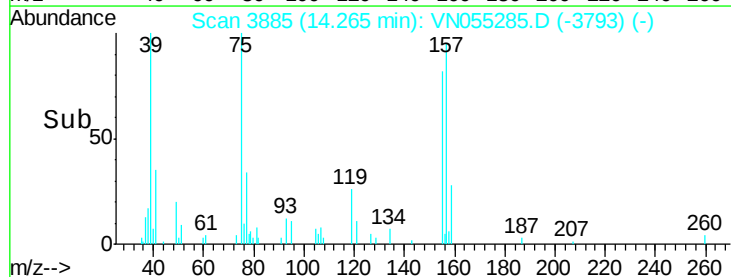
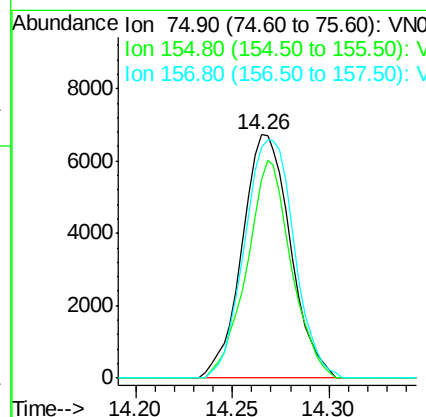
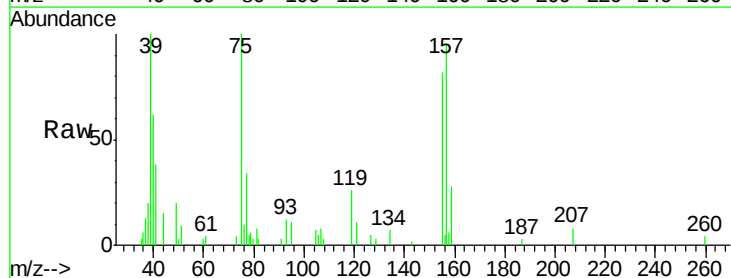
Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:58:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.839 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	41.5	124.6
157	100.9	54.0	162.2





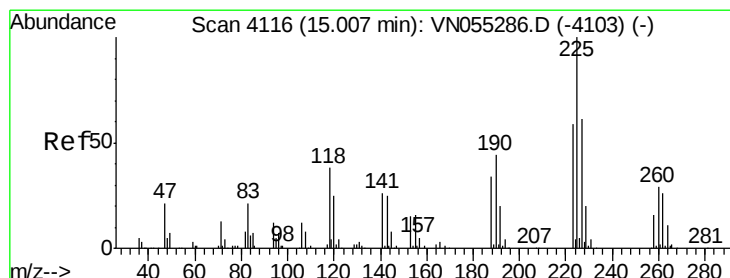
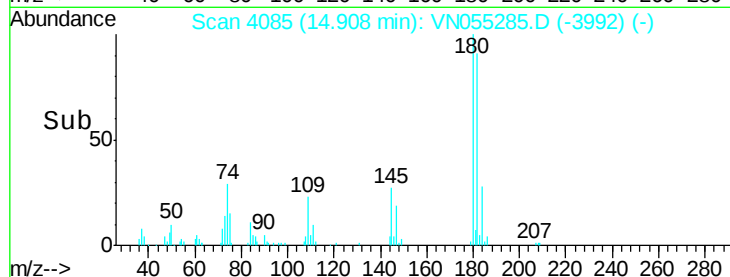
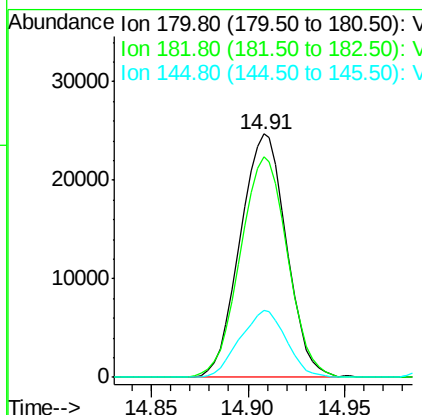
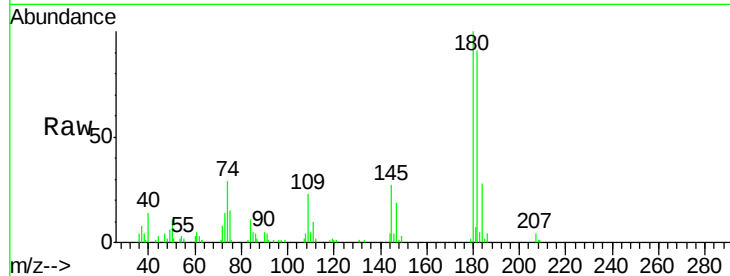
#93
 1,2,4-Trichlorobenzene
 Concen: 16.808 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	41181
Ion Ratio	Lower	Upper	
180	100		
182	92.5	48.3	144.9
145	27.4	14.2	42.6

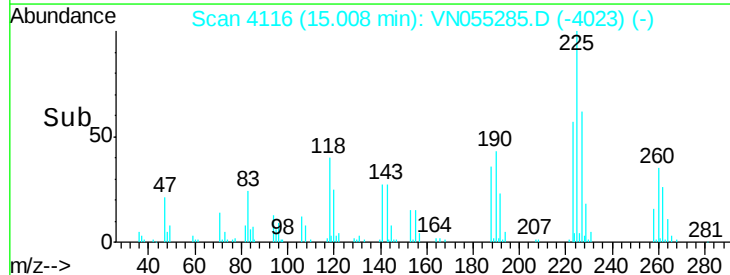
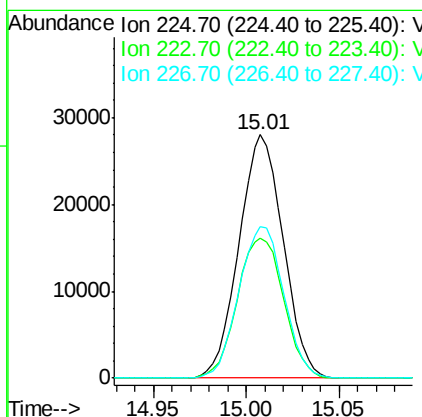
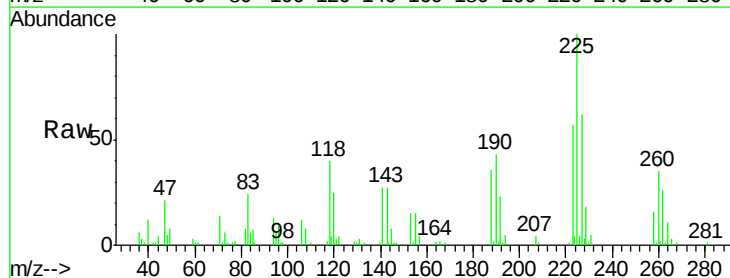
Manual Integrations
 APPROVED

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 4/30/2019 11:58:57 AM



#94
 Hexachlorobutadiene
 Concen: 18.195 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055285.D
 Acq: 29 Apr 2019 11:07

Tgt Ion:	225	Resp:	46340
Ion Ratio	Lower	Upper	
225	100		
223	60.3	30.3	90.8
227	63.3	30.9	92.7





#95

Naphthalene

Concen: 16.689 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Instrument :

MSVOA_N

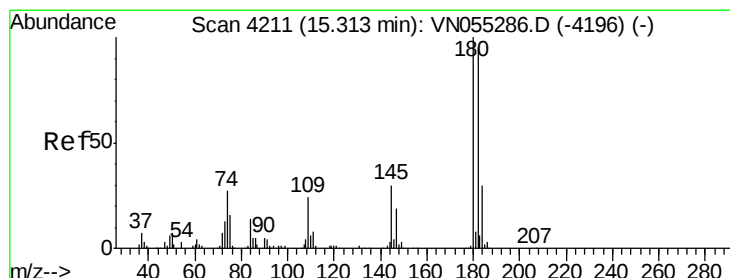
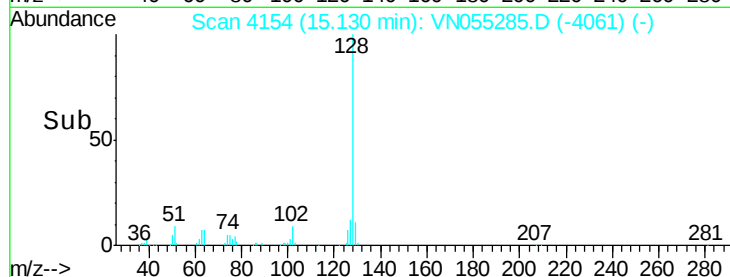
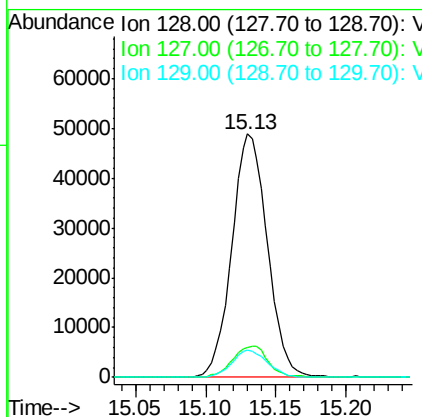
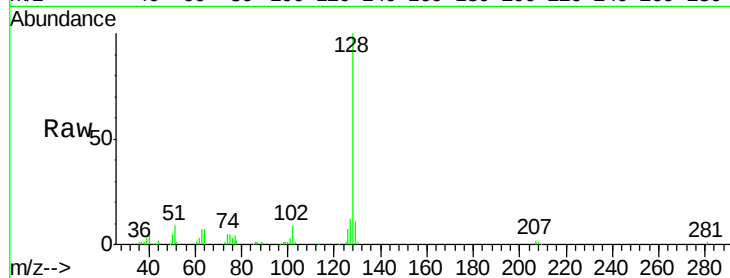
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	86113
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.7	16.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:58:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.050 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055285.D

Acq: 29 Apr 2019 11:07

Tgt Ion:	180	Resp:	43379
Ion Ratio	Lower	Upper	
180	100		
182	93.1	48.3	144.9
145	32.1	15.2	45.6

