

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055290.D
 Acq On : 29 Apr 2019 13:47
 Operator : JC/SP
 Sample : VN0429WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:59:17 AM

Quant Time: Apr 30 04:51:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	427970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	683569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	279166	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	222962	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.09	98	806278	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	254477	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	111029	21.174	ug/l	98
3) Chloromethane	2.06	50	128731	19.827	ug/l	99
4) Vinyl Chloride	2.19	62	103591	19.793	ug/l	99
5) Bromomethane	2.57	94	56914	20.530	ug/l	96
6) Chloroethane	2.71	64	53892	19.008	ug/l	96
7) Trichlorofluoromethane	3.02	101	143933	19.340	ug/l	100
8) Diethyl Ether	3.41	74	51336	19.716	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	86486	19.515	ug/l	99
10) Methyl Iodide	3.96	142	122856	19.698	ug/l	99
11) Tert butyl alcohol	4.79	59	33372	104.109	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	81421	19.259	ug/l	95
13) Acrolein	3.61	56	24700	98.667	ug/l	93
14) Allyl chloride	4.33	41	171370	19.572	ug/l	100
15) Acrylonitrile	4.99	53	177585	98.562	ug/l	99
16) Acetone	3.82	43	164065	94.046	ug/l	99
17) Carbon Disulfide	4.06	76	217284	19.694	ug/l	98
18) Methyl Acetate	4.33	43	87931	20.071	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	241739	20.340	ug/l	96
20) Methylene Chloride	4.56	84	99323	18.653	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	87859	19.623	ug/l	97
22) Diisopropyl ether	5.95	45	351401	20.199	ug/l	97
23) Vinyl Acetate	5.90	43	1171179	102.717	ug/l	100
24) 1,1-Dichloroethane	5.85	63	183191	19.763	ug/l	99
25) 2-Butanone	6.84	43	225782	101.202	ug/l	96
26) 2,2-Dichloropropane	6.83	77	124162	19.398	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	103178	20.264	ug/l	99
28) Bromochloromethane	7.20	49	89750	19.209	ug/l	98
29) Tetrahydrofuran	7.21	42	142854	99.997	ug/l	100
30) Chloroform	7.37	83	170052	19.353	ug/l	98
31) Cyclohexane	7.65	56	172733	19.614	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	141788	19.882	ug/l	98
36) 1,1-Dichloropropene	7.80	75	125973	19.240	ug/l	100
37) Ethyl Acetate	6.93	43	95681	19.067	ug/l	98
38) Carbon Tetrachloride	7.77	117	117279	18.569	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139468	20.034	ug/l	98
40) Benzene	8.04	78	377803	19.574	ug/l	99
41) Methacrylonitrile	7.18	41	50037	18.891	ug/l	94
42) 1,2-Dichloroethane	8.12	62	133927	19.591	ug/l	99
43) Isopropyl Acetate	8.17	43	159757	19.810	ug/l #	89
44) Trichloroethene	8.84	130	94619	19.229	ug/l	98
45) 1,2-Dichloropropane	9.12	63	108191	19.435	ug/l	100
46) Dibromomethane	9.21	93	61153	20.097	ug/l	97
47) Bromodichloromethane	9.40	83	126003	19.302	ug/l	97
48) Methyl methacrylate	9.20	41	76679	19.341	ug/l	98
49) 1,4-Dioxane	9.20	88	16739	408.445	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	458893	101.069	ug/l	98
52) Toluene	10.16	92	223746	20.203	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	113399	20.011	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	143844	20.358	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	81866	19.907	ug/l	97
56) Ethyl methacrylate	10.43	69	103198	20.387	ug/l	98
57) 1,3-Dichloropropane	10.71	76	143847	19.939	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	138368	96.114	ug/l	99
59) 2-Hexanone	10.75	43	282925	99.591	ug/l	100
60) Dibromochloromethane	10.90	129	82659	19.666	ug/l	97
61) 1,2-Dibromoethane	11.00	107	75881	19.963	ug/l	99
64) Tetrachloroethene	10.63	164	91517	19.047	ug/l	98
65) Chlorobenzene	11.43	112	223943	19.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	86468	19.224	ug/l	99
67) Ethyl Benzene	11.51	91	409832	19.757	ug/l	98
68) m/p-Xylenes	11.62	106	298292	40.287	ug/l	98
69) o-Xylene	11.95	106	148105	20.181	ug/l	98
70) Styrene	11.96	104	234173	20.782	ug/l	99
71) Bromoform	12.13	173	49461	19.817	ug/l #	96
73) Isopropylbenzene	12.25	105	396558	21.509	ug/l	100
74) N-amyl acetate	12.07	43	107464	19.586	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	100001	21.814	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	84583m	19.762	ug/l	
77) Bromobenzene	12.53	156	92246	21.354	ug/l	98
78) n-propylbenzene	12.59	91	421296	19.183	ug/l	100
79) 2-Chlorotoluene	12.67	91	262609	21.127	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	320052	19.095	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20193	17.899	ug/l #	82
82) 4-Chlorotoluene	12.77	91	246130	19.275	ug/l	99
83) tert-Butylbenzene	12.99	119	277409	21.738	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	301775	20.131	ug/l	99
85) sec-Butylbenzene	13.17	105	346754	19.034	ug/l	99
86) p-Isopropyltoluene	13.29	119	295105	19.709	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	140925	19.698	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	132109	19.608	ug/l	99
89) n-Butylbenzene	13.61	91	205720	19.335	ug/l	99
90) Hexachloroethane	13.87	117	49976	20.138	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	139315	19.647	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11990	21.317	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44561	18.196	ug/l	95
94) Hexachlorobutadiene	15.01	225	48070	20.900	ug/l	97
95) Naphthalene	15.13	128	89537	17.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47506	18.967	ug/l	96

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

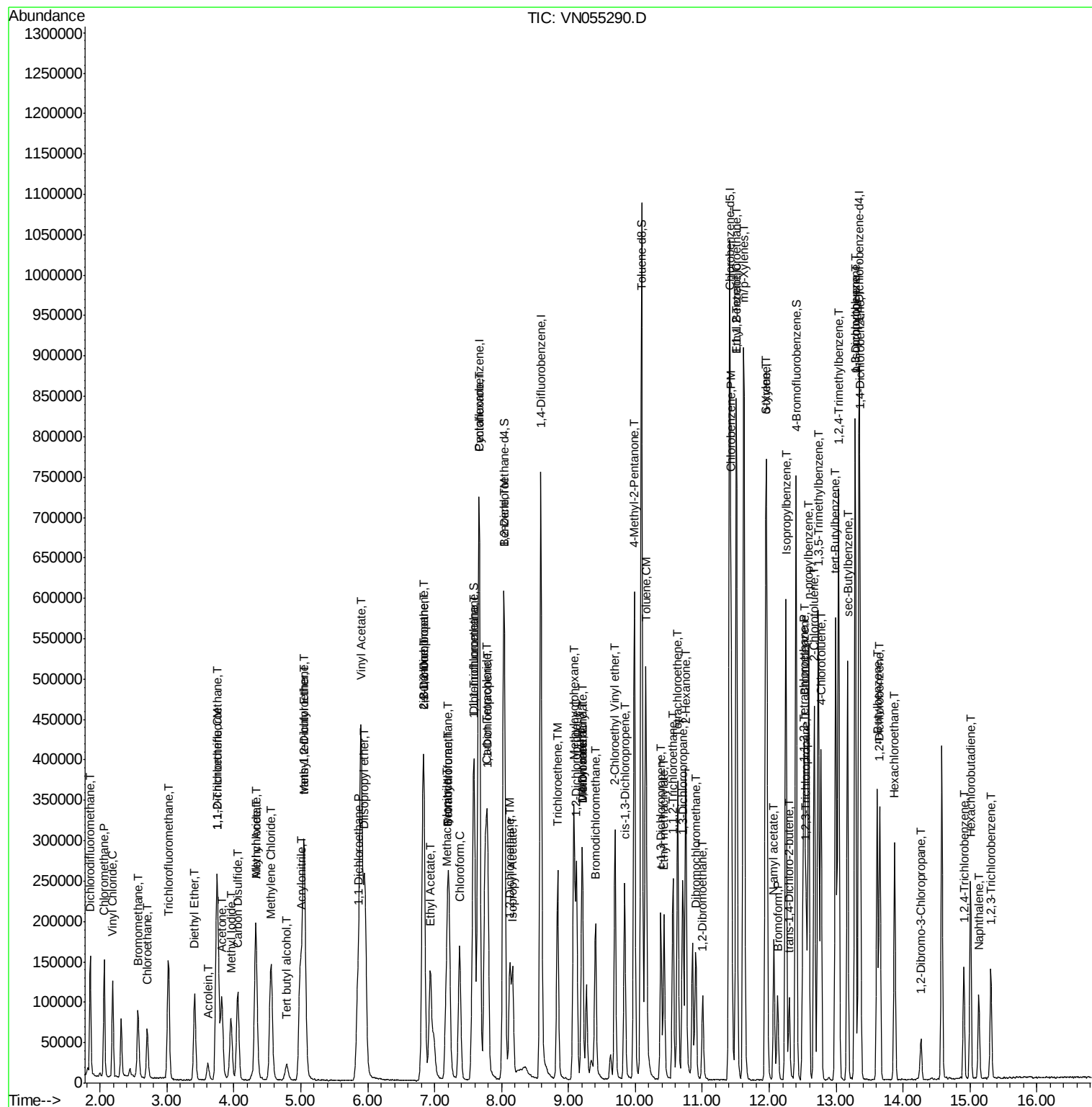
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
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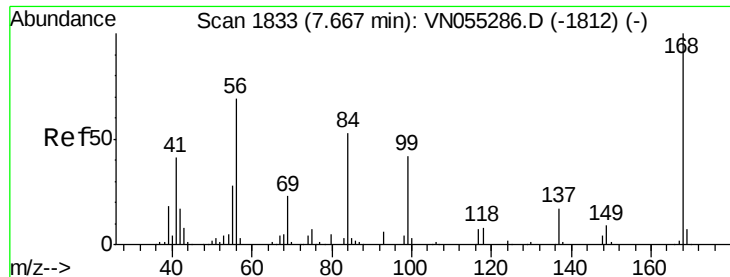
Instrument :
MSVOA_N
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion:168 Resp: 427970

Ion Ratio Lower Upper

168 100

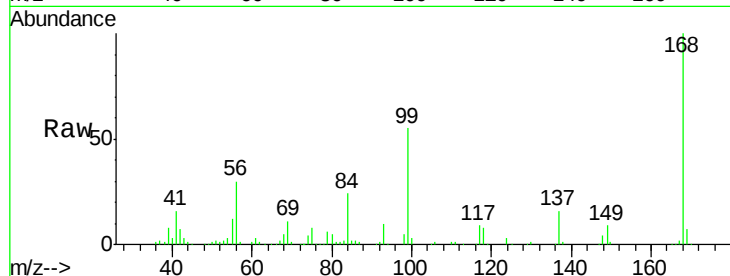
99 53.9 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

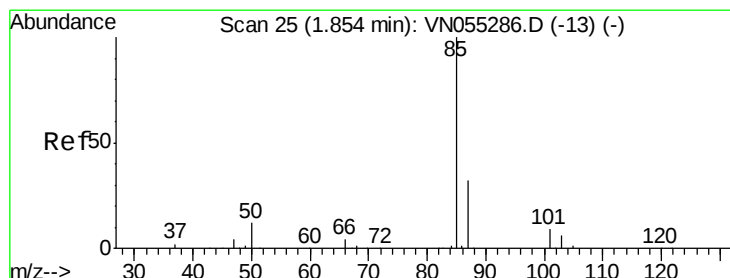
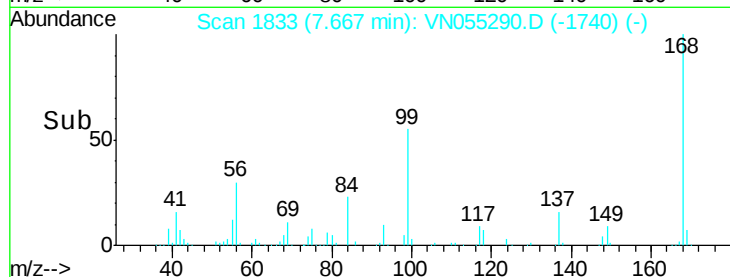
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.174 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055290.D

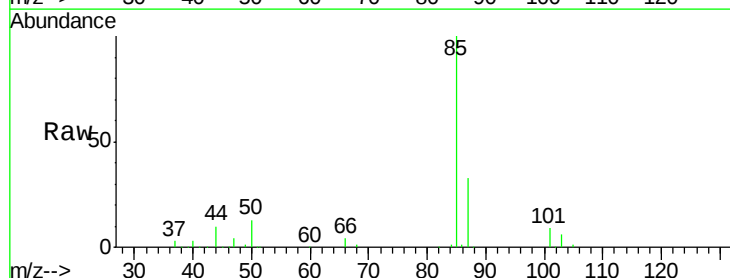
Acq: 29 Apr 2019 13:47

Tgt Ion: 85 Resp: 111029

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

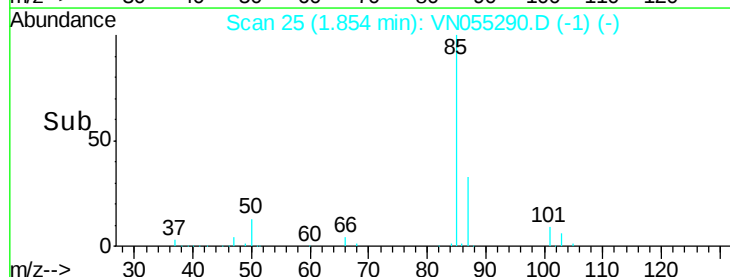
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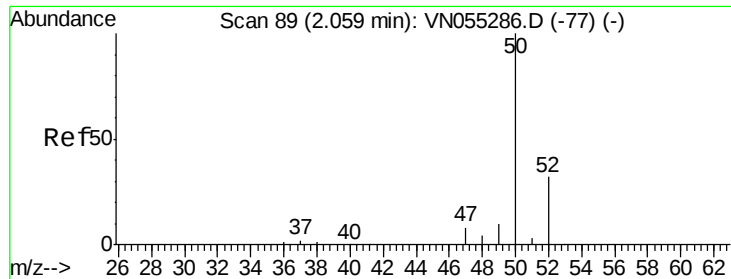
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.827 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Tot Ion: 50 Resp: 128731

Ion Ratio Lower Upper

50 100

52 31.8 25.7 38.5

Instrument :

MSVOA_N

ClientSampled :

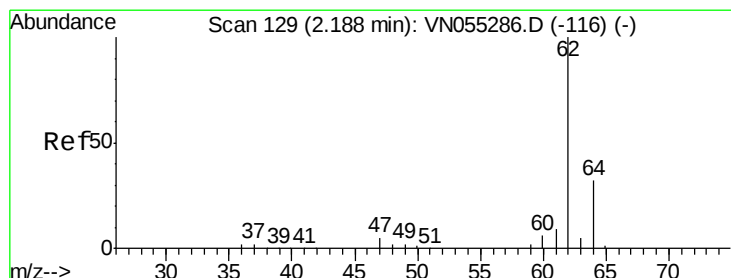
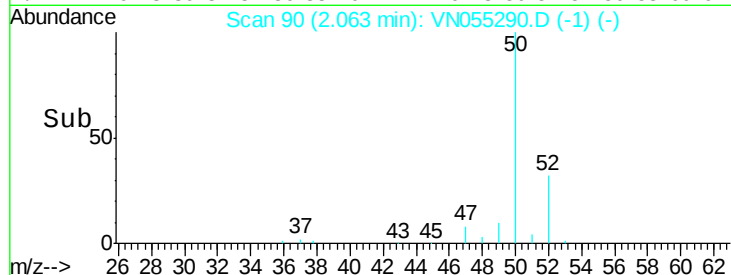
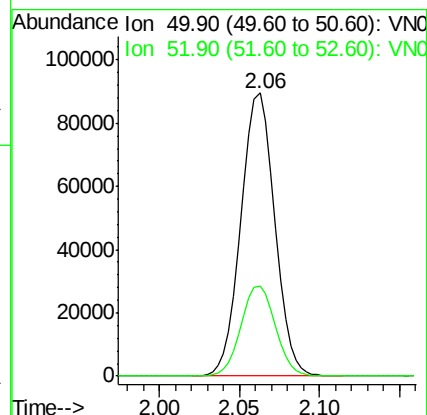
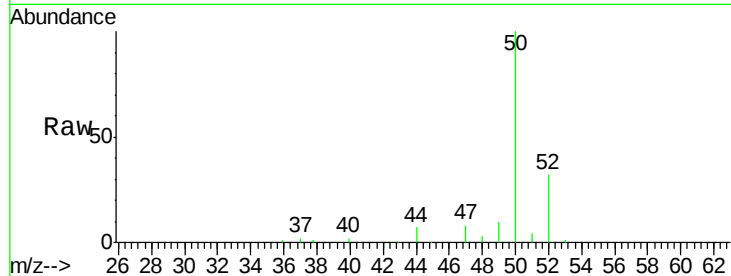
VN0429WBS01

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.793 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055290.D

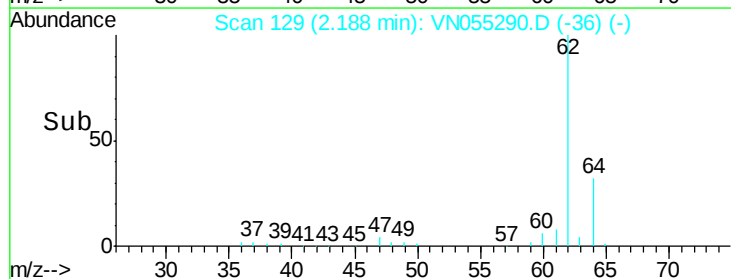
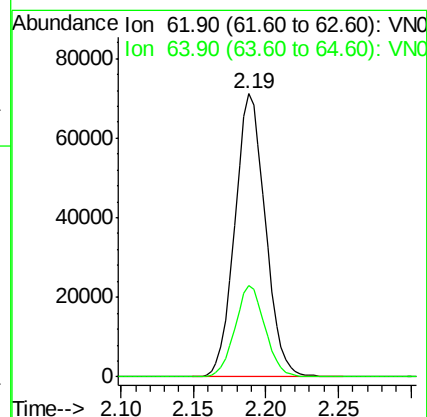
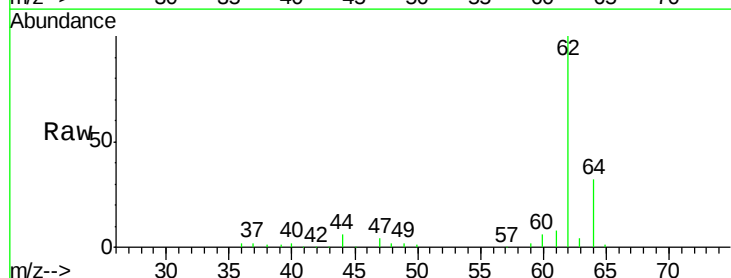
Acq: 29 Apr 2019 13:47

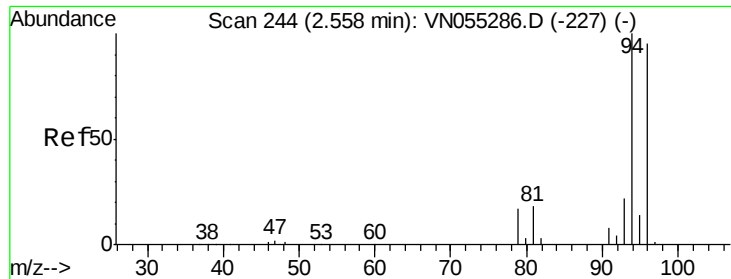
Tgt Ion: 62 Resp: 103591

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 20.530 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 94 Resp: 56914

Ion Ratio Lower Upper

94 100

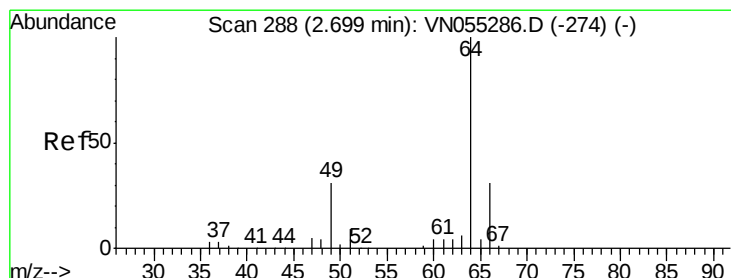
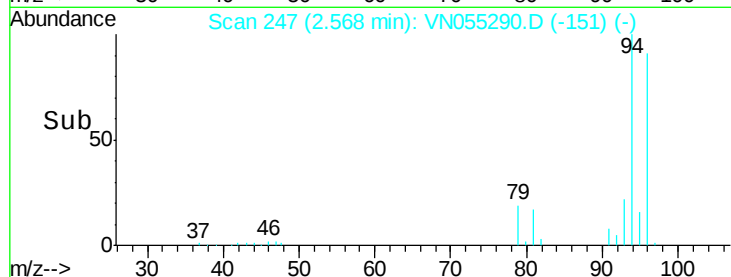
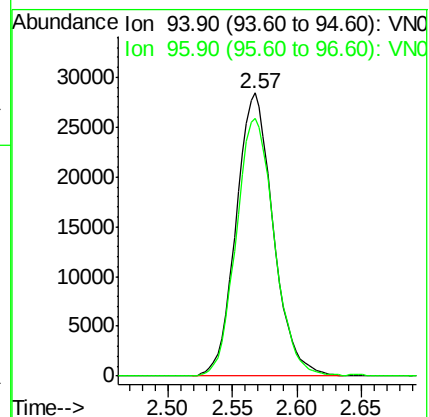
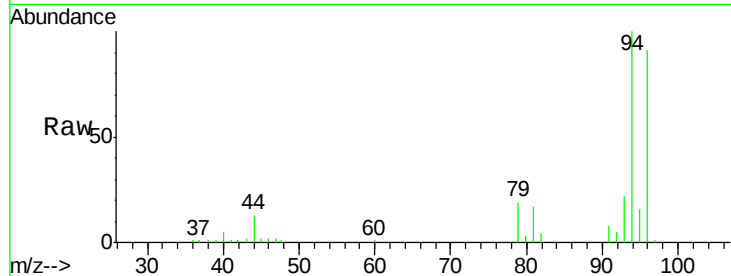
96 91.0 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 19.008 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055290.D

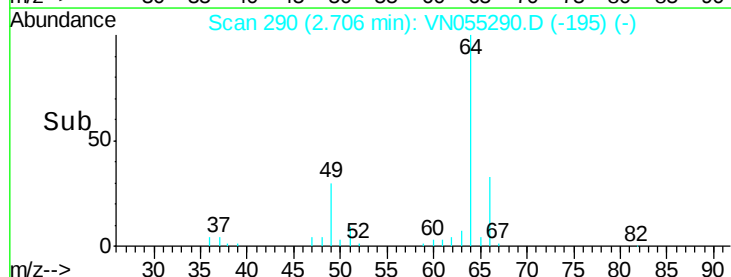
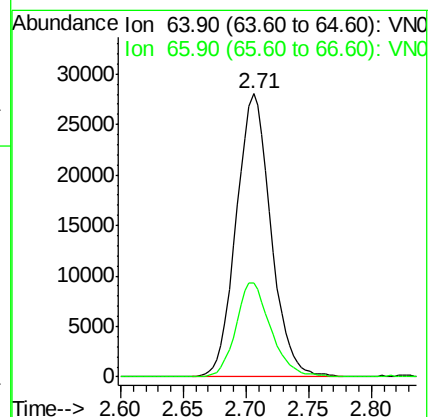
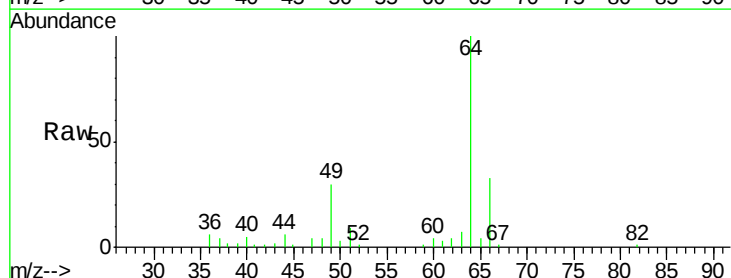
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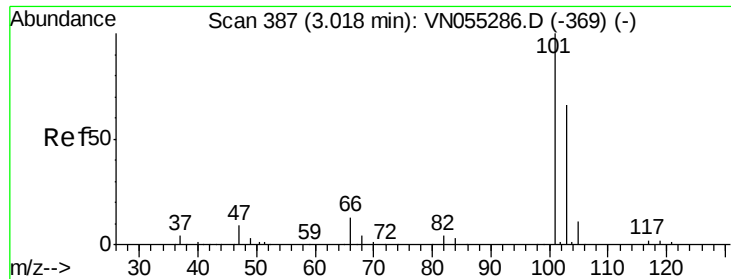
Tgt Ion: 64 Resp: 53892

Ion Ratio Lower Upper

64 100

66 33.4 25.0 37.4





#7

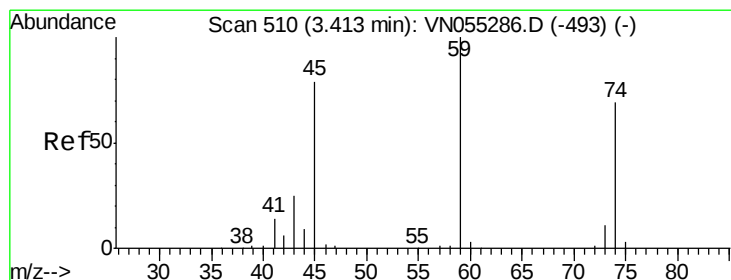
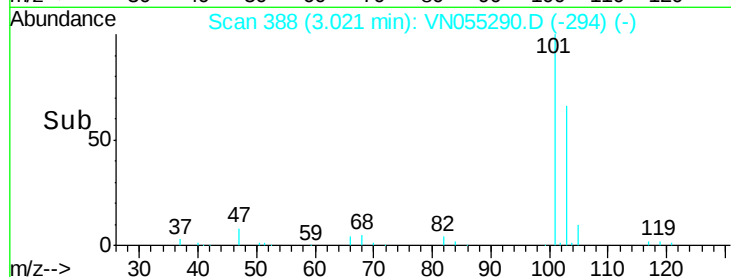
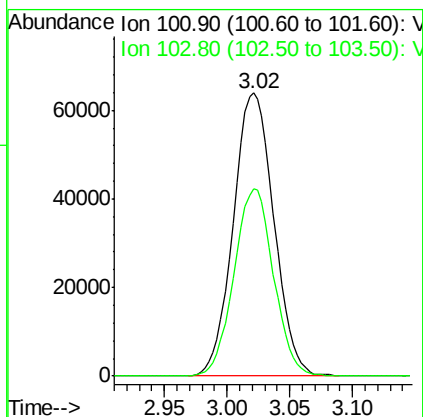
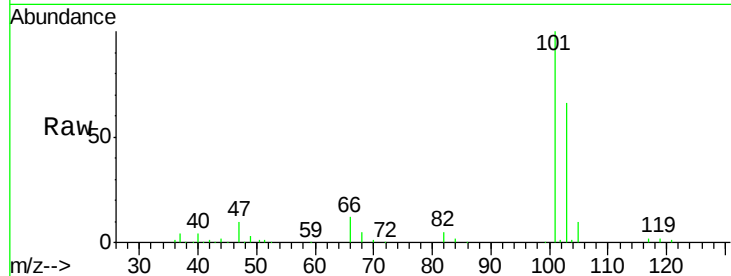
Trichlorofluoromethane
 Concen: 19.340 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

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Tot Ion:101 Resp: 143933
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.6 79.0

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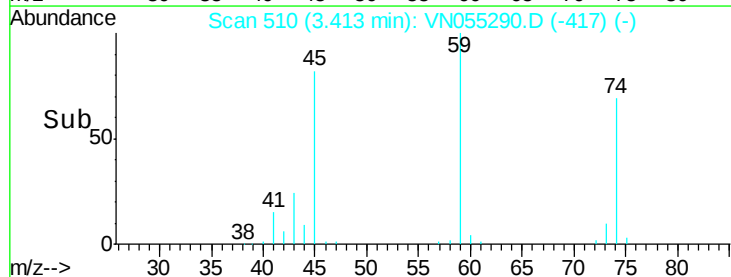
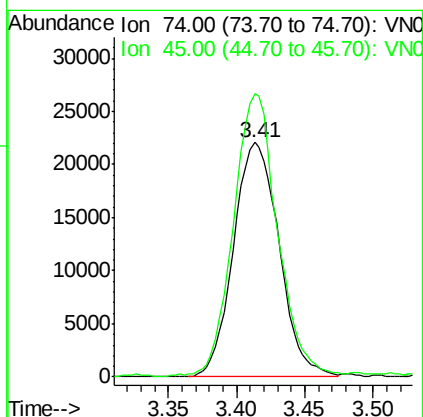
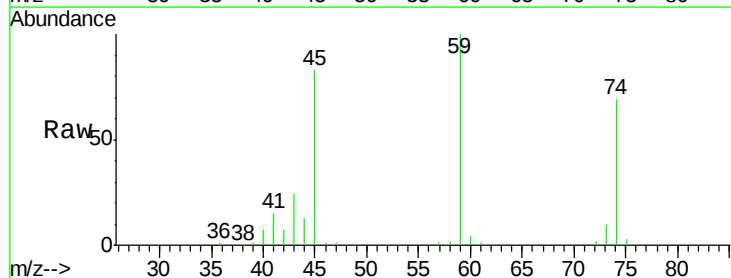
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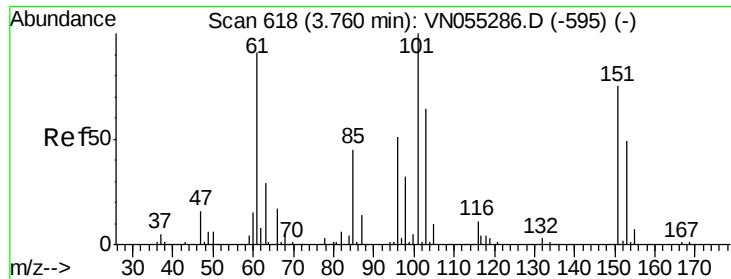


#8

Diethyl Ether
 Concen: 19.716 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Tgt Ion: 74 Resp: 51336
 Ion Ratio Lower Upper
 74 100
 45 117.6 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.515 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

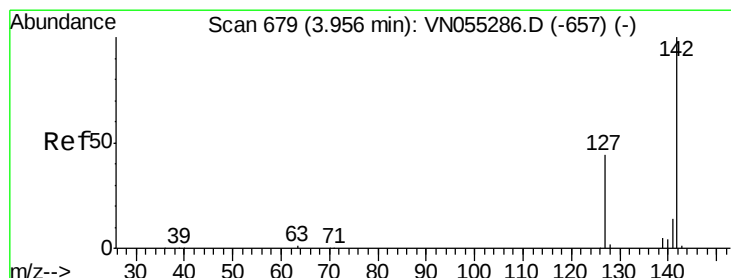
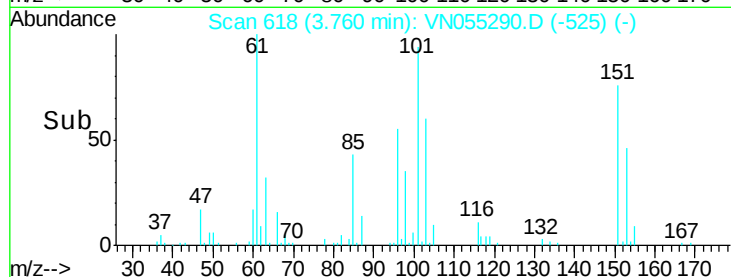
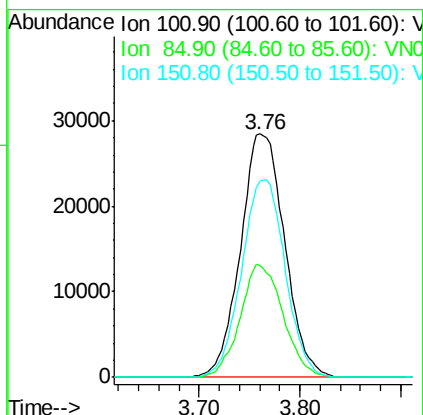
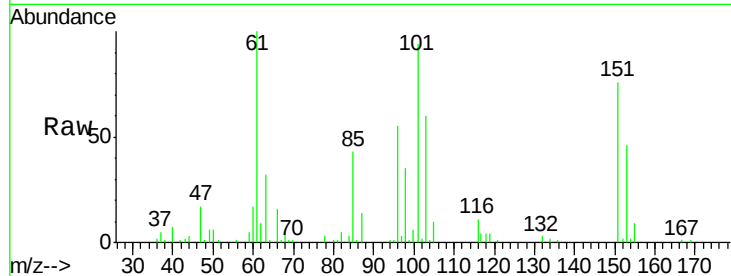
ClientSampleId :

VN0429WBS01

Tot Ion:	101	Resp:	86486
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.7	53.5
151	80.0	63.3	94.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.698 ug/l

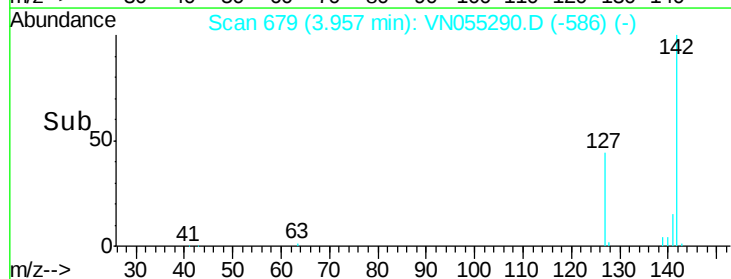
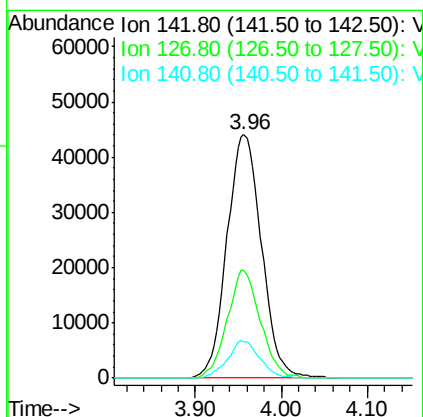
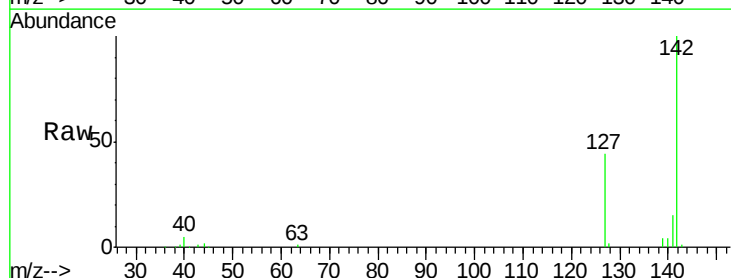
RT: 3.96 min Scan# 679

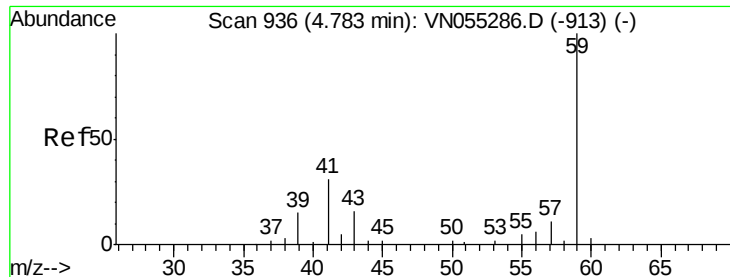
Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Tgt Ion:	142	Resp:	122856
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.4	51.6
141	14.4	11.5	17.3





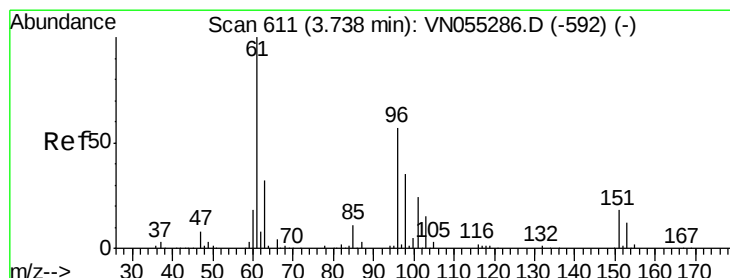
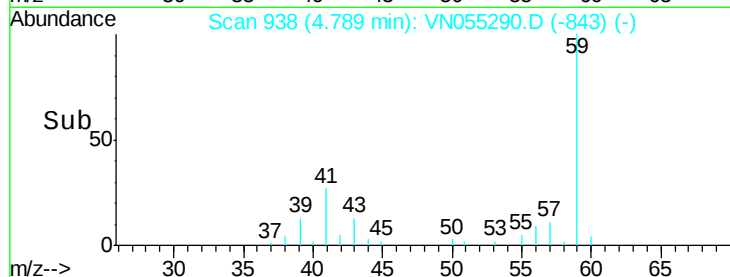
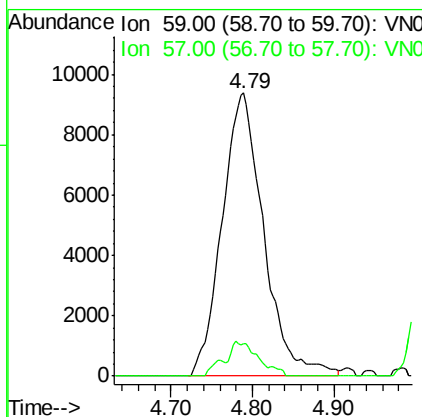
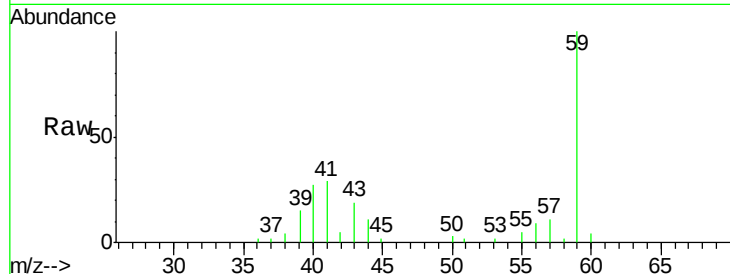
#11
Tert butyl alcohol
Concen: 104.109 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0429WBS01

Tot Ion: 59 Resp: 33372
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

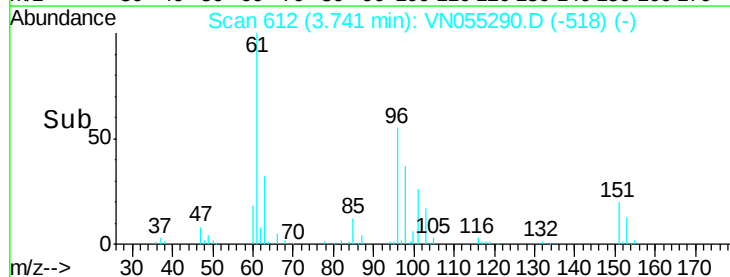
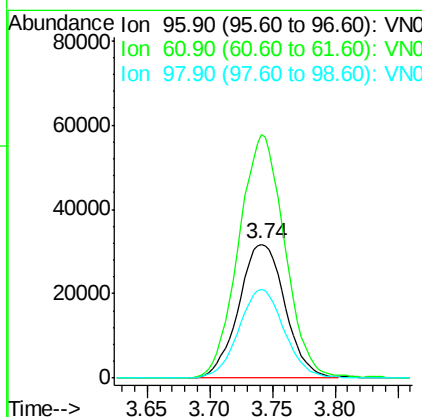
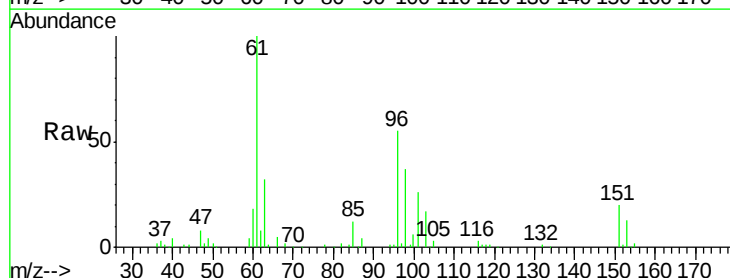
Manual Integrations
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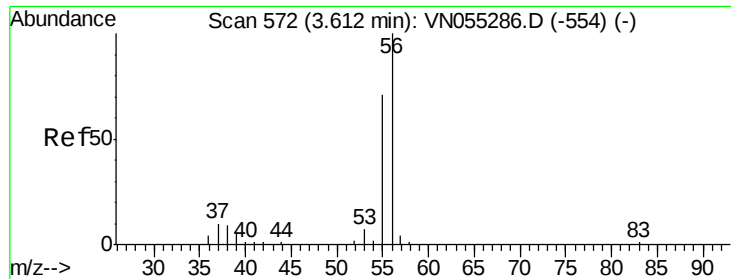
MMDadoda
4/30/2019 11:59:17 AM



#12
1,1-Dichloroethene
Concen: 19.259 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion: 96 Resp: 81421
Ion Ratio Lower Upper
96 100
61 182.0 140.9 211.3
98 66.7 50.0 75.0





#13

Acrolein

Concen: 98.667 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0429WBS01

Tot Ion: 56 Resp: 24700

Ion Ratio Lower Upper

56 100

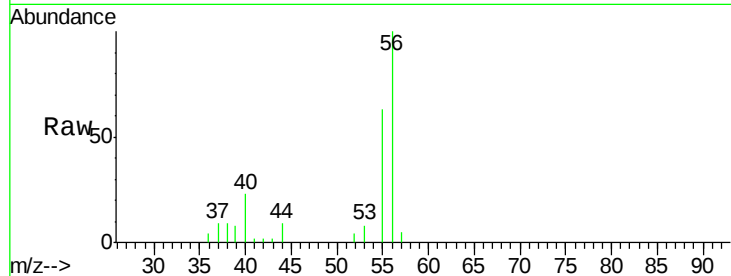
55 65.7 57.4 86.2

Manual Integrations

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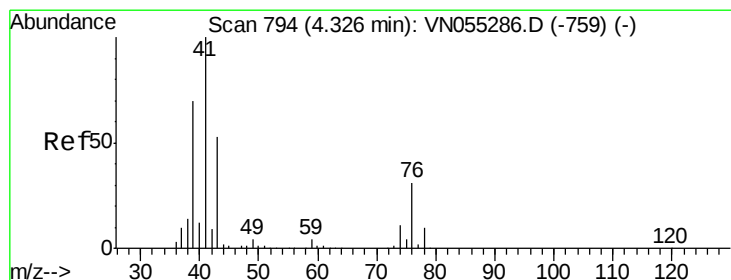
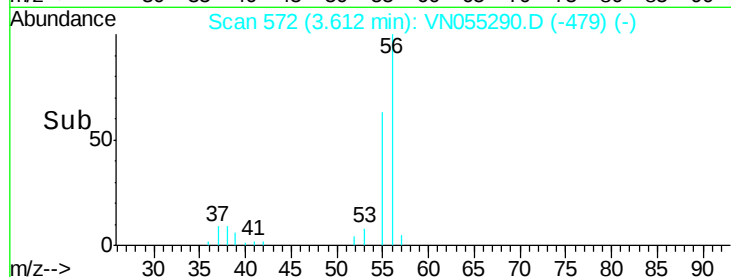
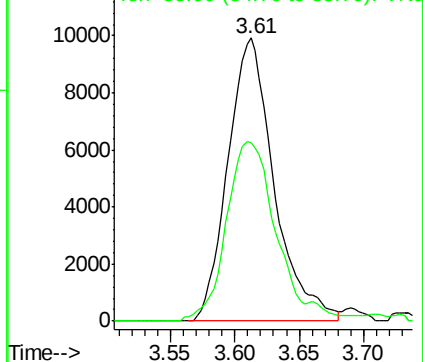
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.572 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

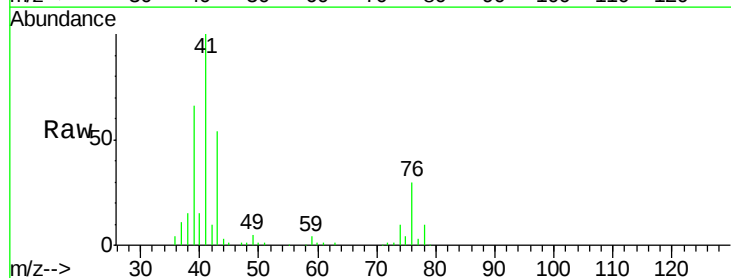
Tgt Ion: 41 Resp: 171370

Ion Ratio Lower Upper

41 100

39 66.2 53.0 79.6

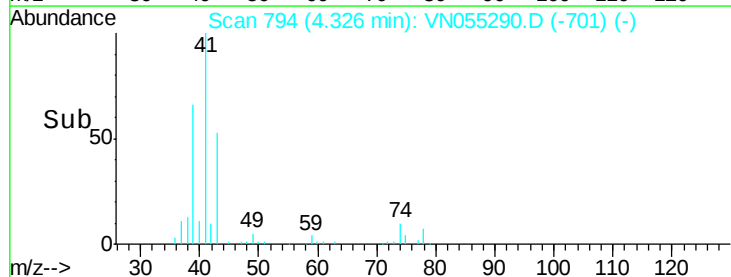
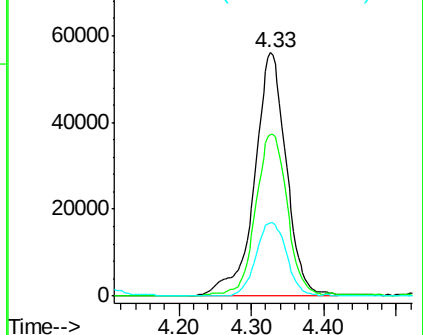
76 29.1 22.7 34.1

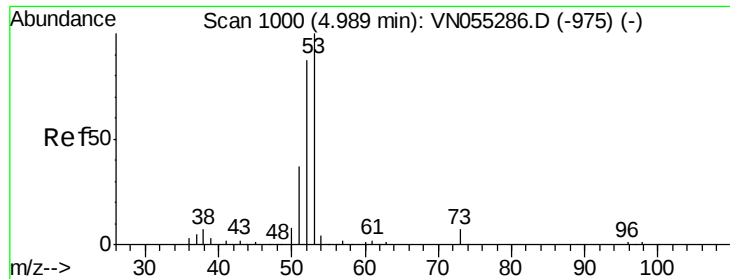


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.562 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

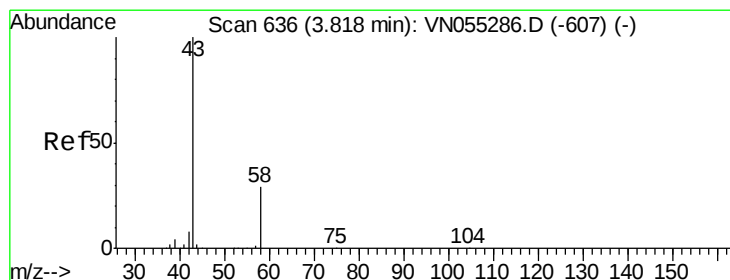
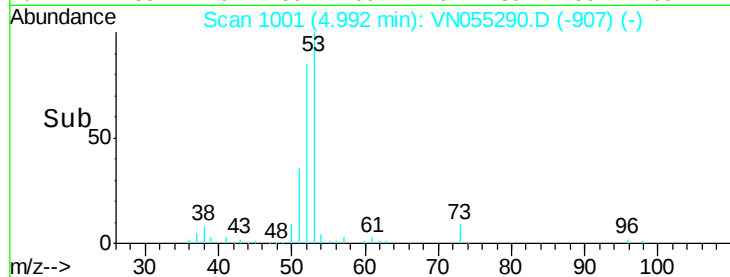
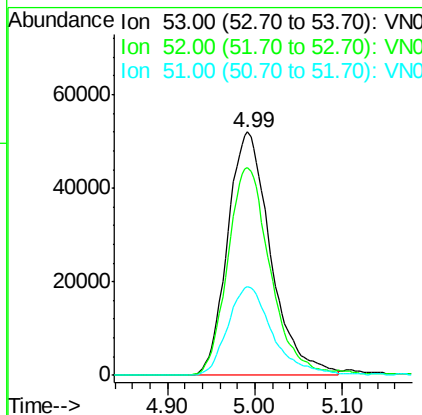
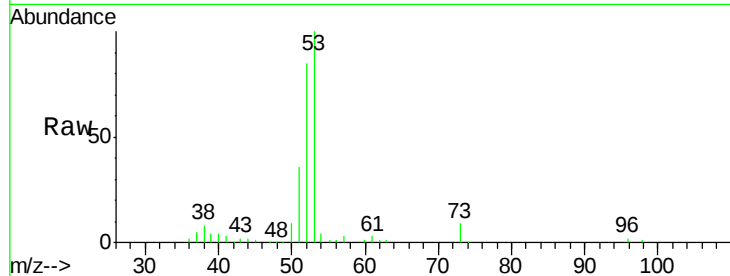
ClientSampleId :

VN0429WBS01

Tot Ion:	53	Resp:	177585
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.5	99.7
51	38.2	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 94.046 ug/l

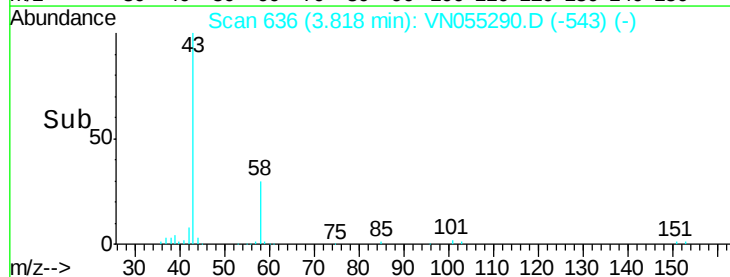
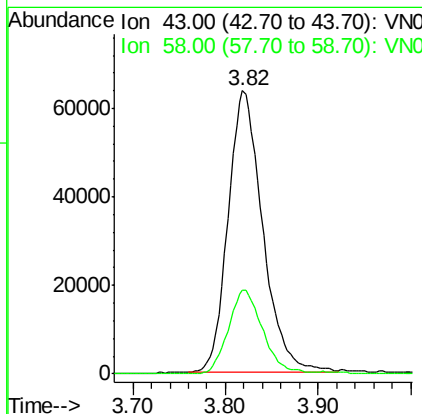
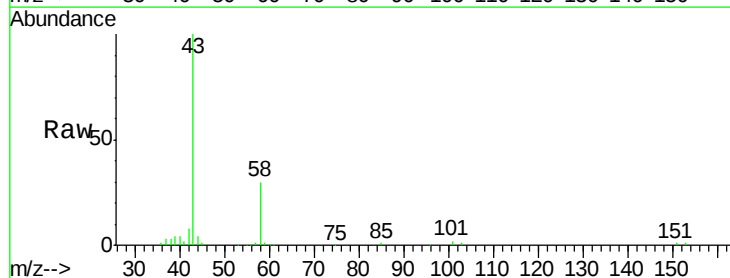
RT: 3.82 min Scan# 636

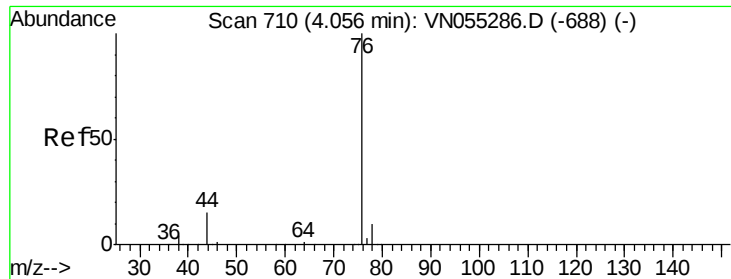
Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Tgt Ion:	43	Resp:	164065
Ion Ratio	Lower	Upper	
43	100		
58	30.0	23.6	35.4





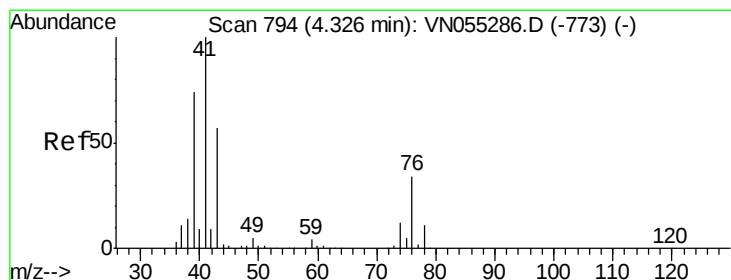
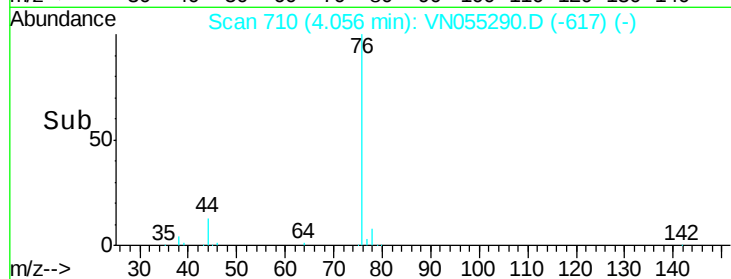
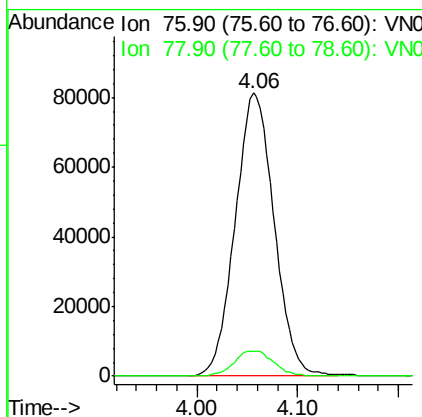
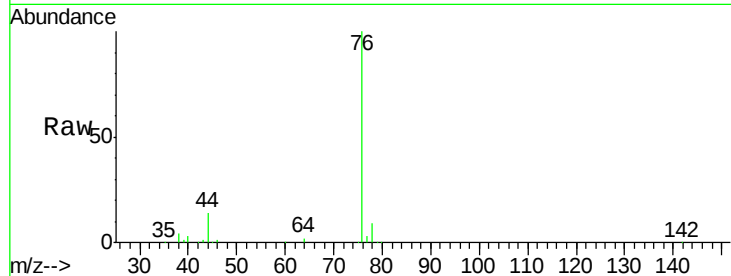
#17
Carbon Disulfide
Concen: 19.694 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

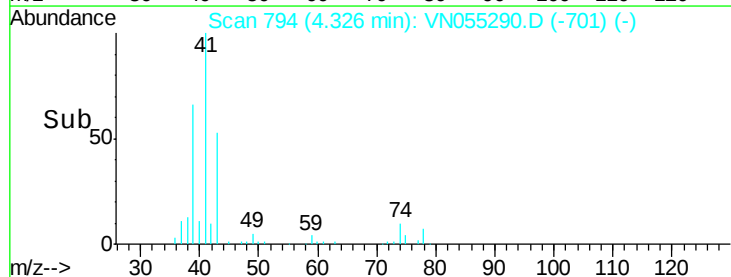
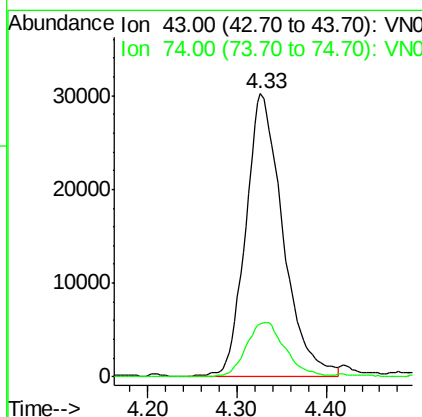
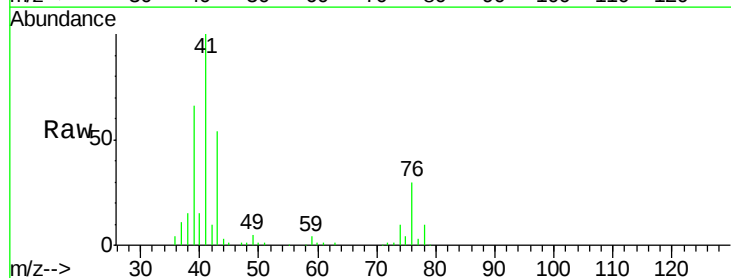
Manual Integrations
APPROVED

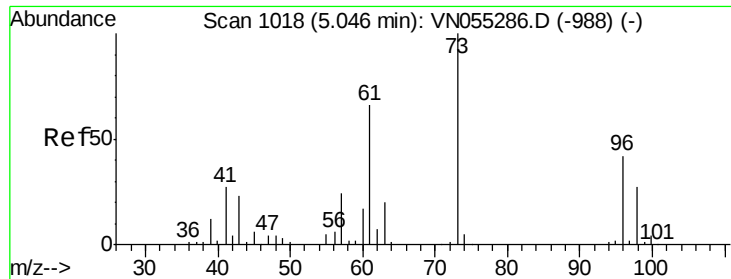
MMDadoda
4/30/2019 11:59:17 AM



#18
Methyl Acetate
Concen: 20.071 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	15.8	23.8





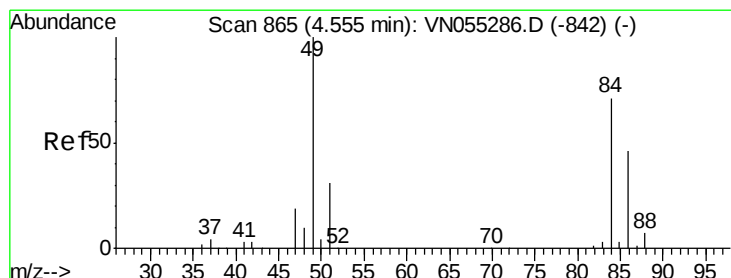
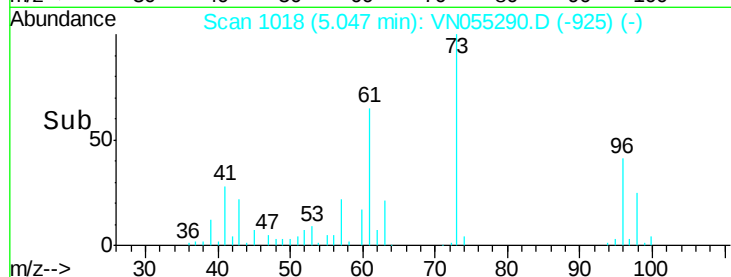
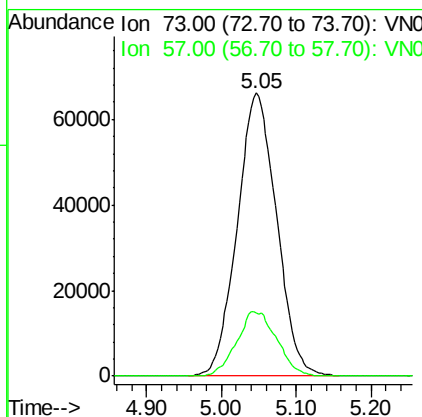
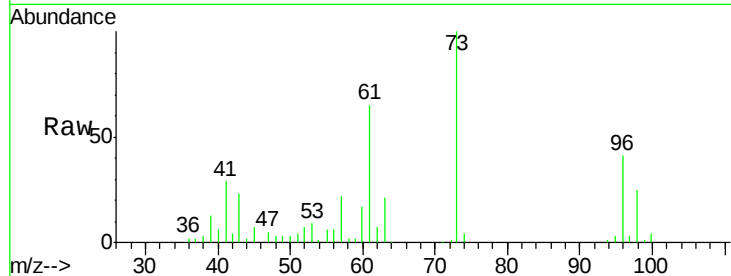
#19
Methvl tert-butvl Ether
Concen: 20.340 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion: 73 Resp: 241739
Ion Ratio Lower Upper
73 100
57 22.1 19.1 28.7

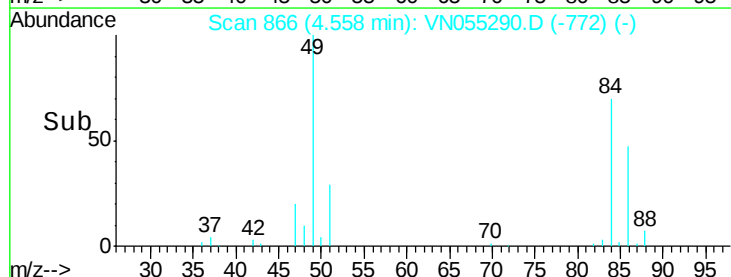
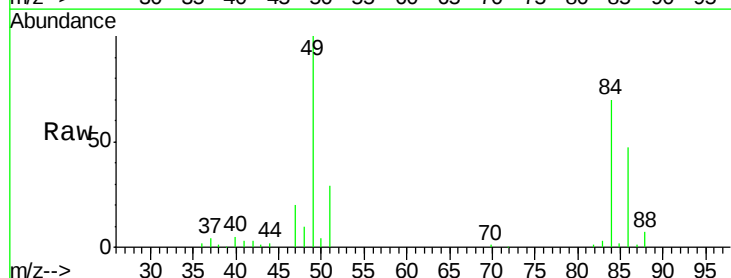
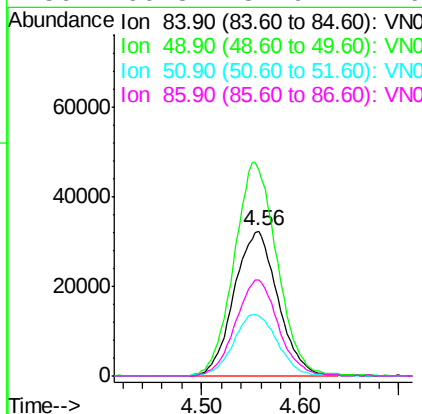
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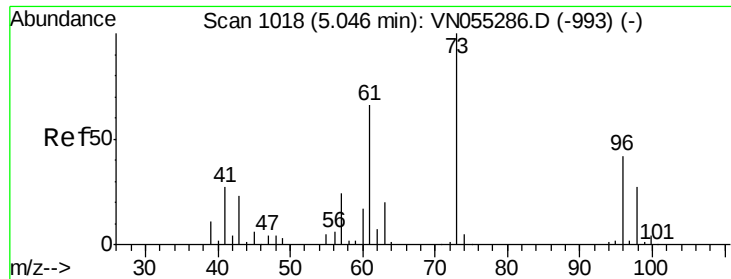
MMDadoda
4/30/2019 11:59:17 AM



#20
Methylene Chloride
Concen: 18.653 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion: 84 Resp: 99323
Ion Ratio Lower Upper
84 100
49 142.6 112.4 168.6
51 41.5 34.6 51.8
86 66.3 51.9 77.9





#21

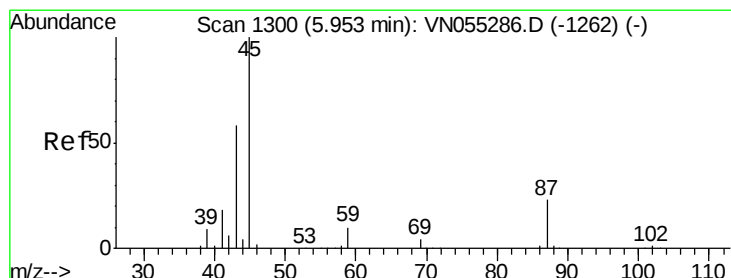
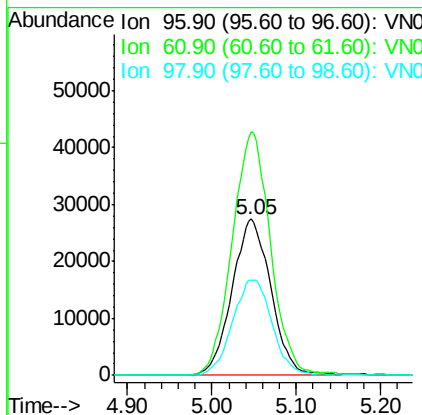
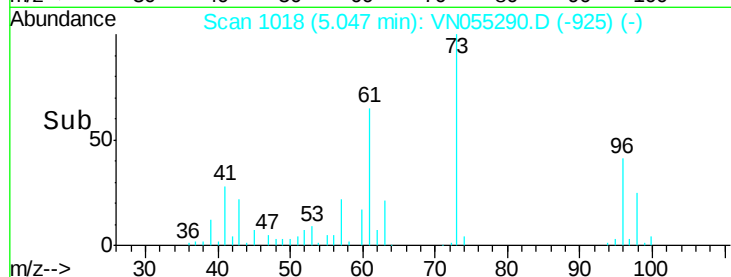
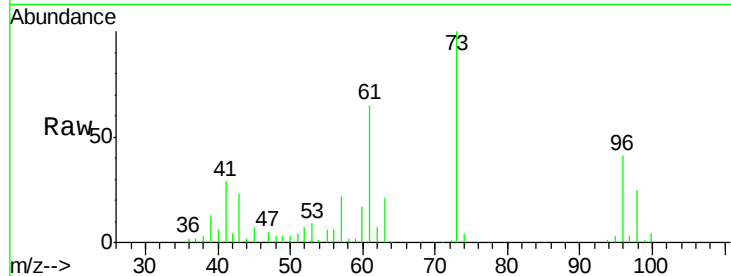
trans-1,2-Dichloroethene
Concen: 19.623 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.9	126.2	189.4
98	61.0	52.2	78.2

Manual Integrations
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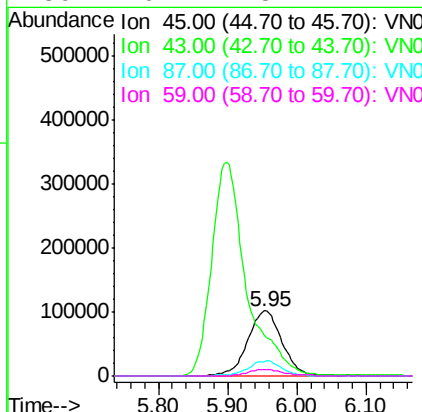
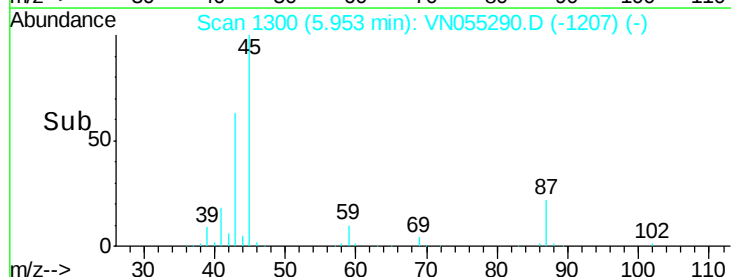
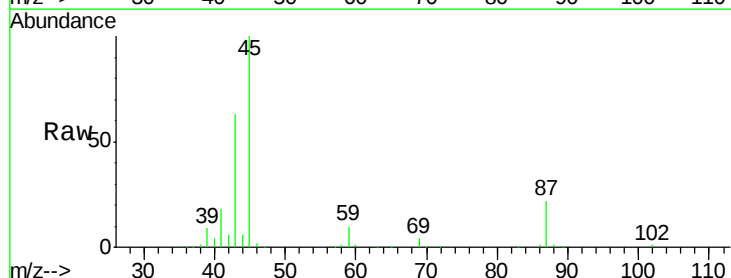
MMDadoda
4/30/2019 11:59:17 AM

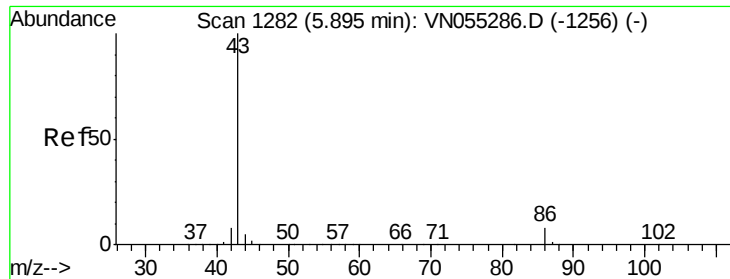


#22

Diisopropyl ether
Concen: 20.199 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	46.6	70.0
87	21.8	18.1	27.1
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 102.717 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

ClientSampled :

VN0429WBS01

Tot Ion: 43 Resp: 1171179

Ion Ratio Lower Upper

43 100

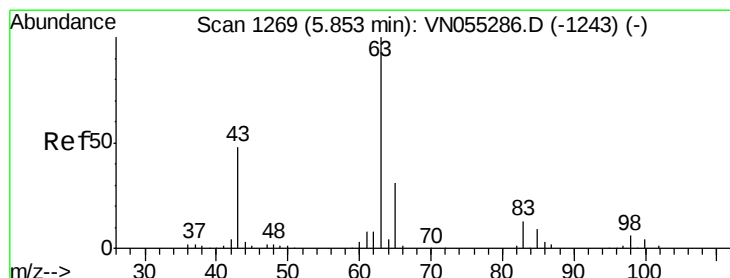
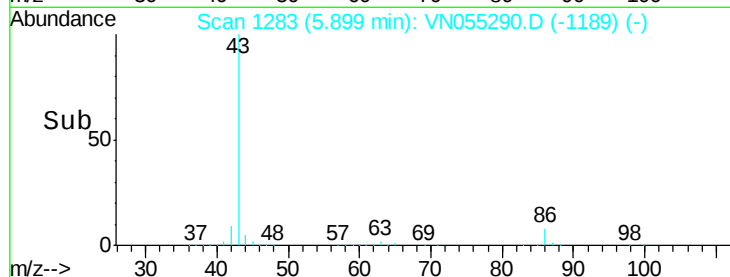
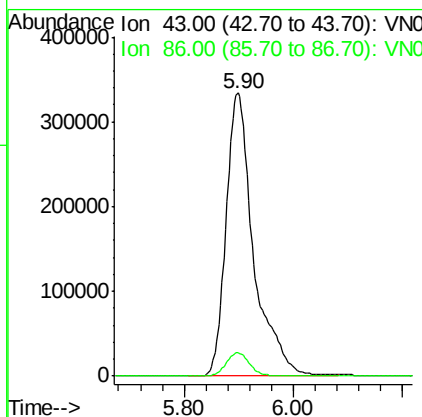
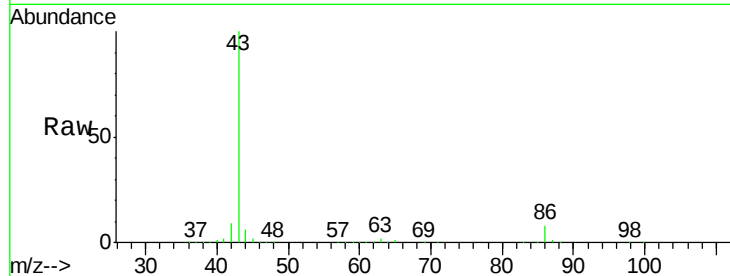
86 8.2 6.6 10.0

Manual Integrations

APPROVED

MMDadoda

4/30/2019 11:59:17 AM



#24

1,1-Dichloroethane

Concen: 19.763 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

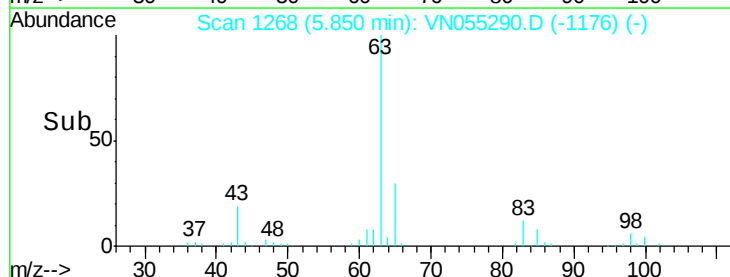
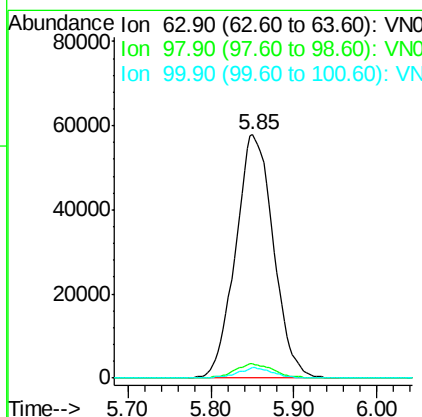
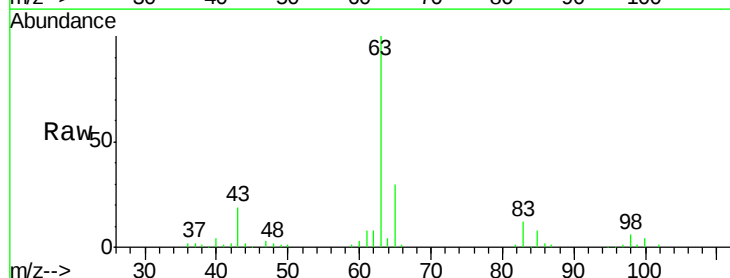
Tgt Ion: 63 Resp: 183191

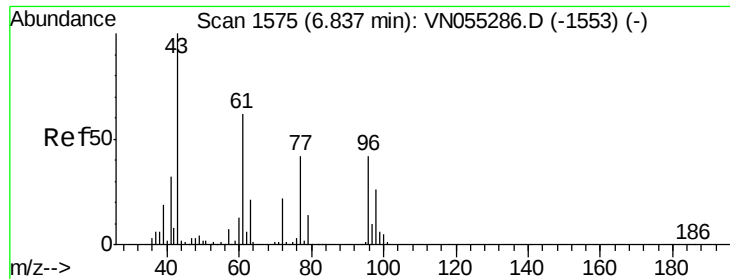
Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.0

100 4.1 1.8 5.4





#25

2-Butanone

Concen: 101.202 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 43 Resp: 225782

Ion Ratio Lower Upper

43 100

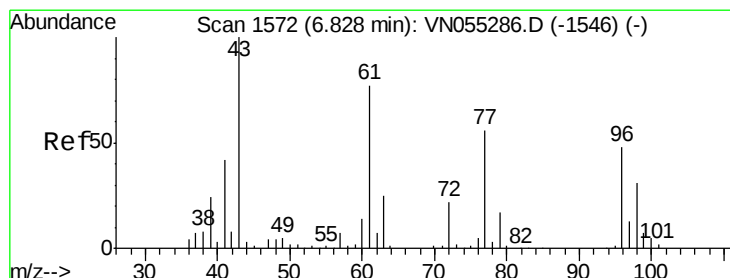
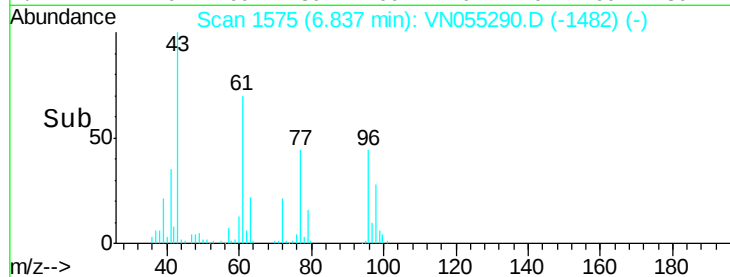
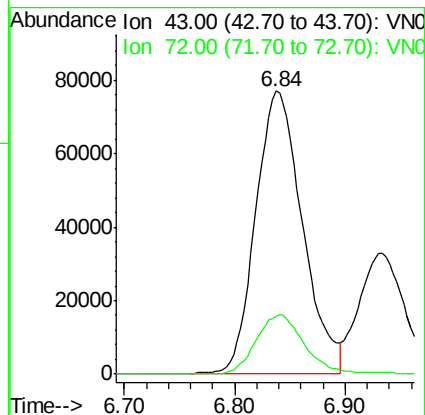
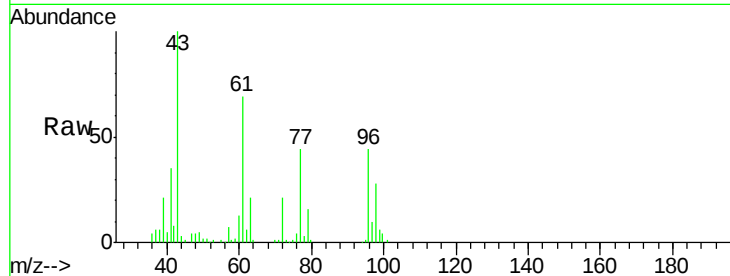
72 20.7 18.0 27.0

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#26

2,2-Dichloropropane

Concen: 19.398 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055290.D

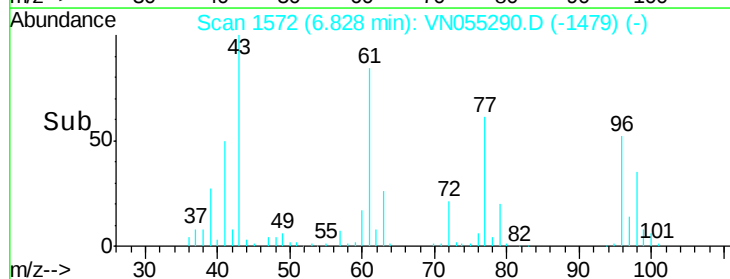
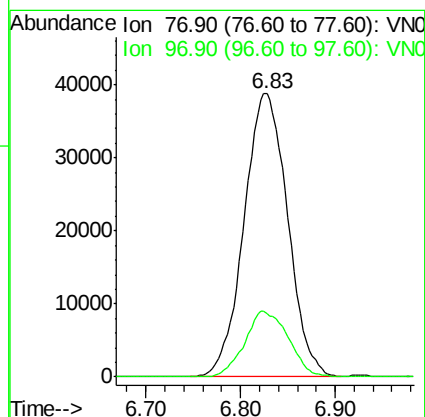
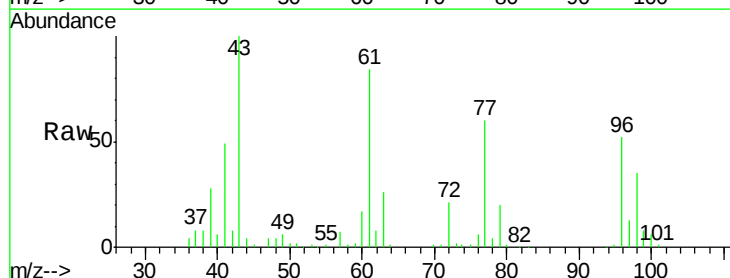
Acq: 29 Apr 2019 13:47

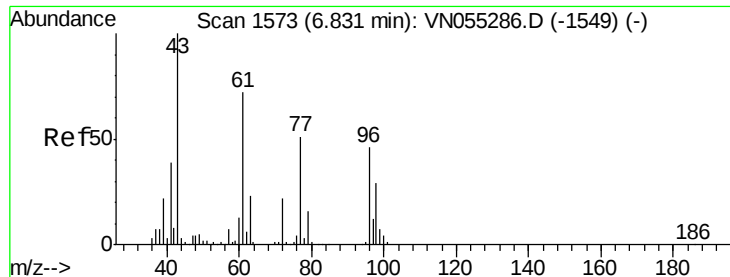
Tgt Ion: 77 Resp: 124162

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.264 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

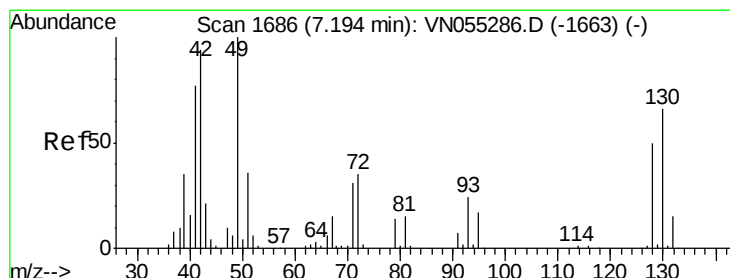
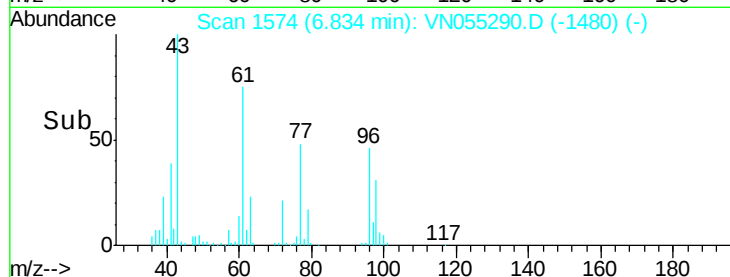
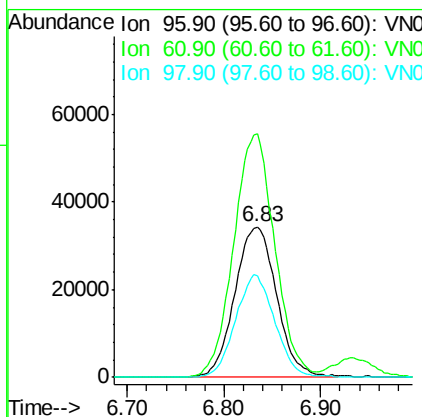
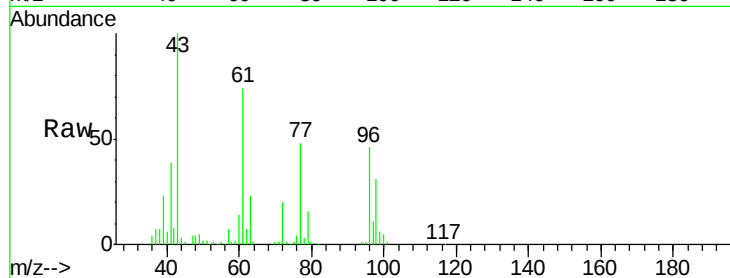
ClientSampleId :

VN0429WBS01

Tot Ion:	96	Resp:	103178
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	316.2
98	63.8	0.0	126.6

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#28

Bromochloromethane

Concen: 19.209 ug/l

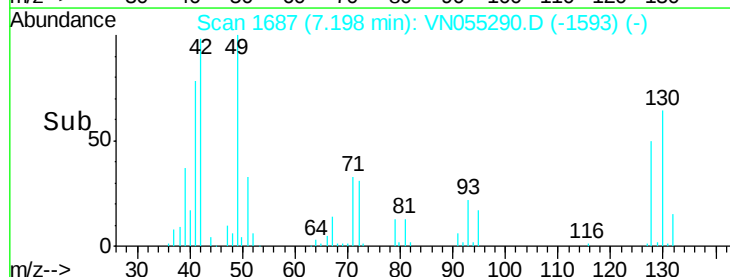
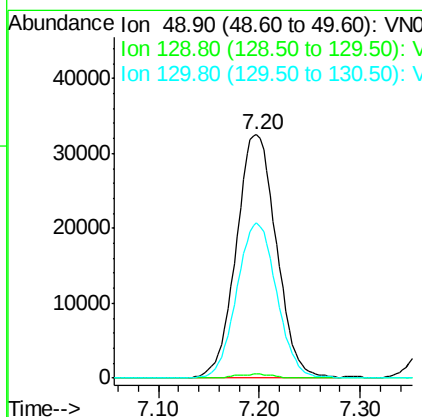
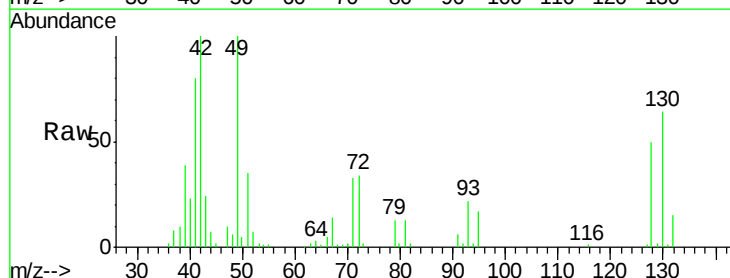
RT: 7.20 min Scan# 1687

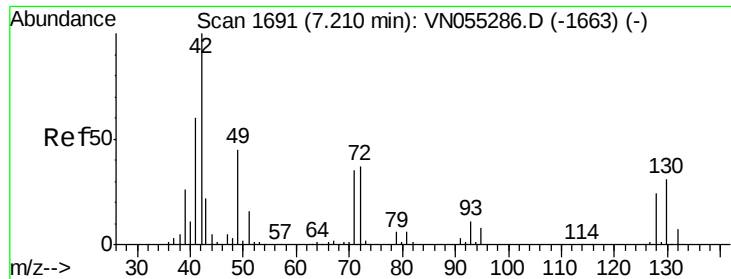
Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Tgt Ion:	49	Resp:	89750
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.4
130	63.3	52.0	78.0





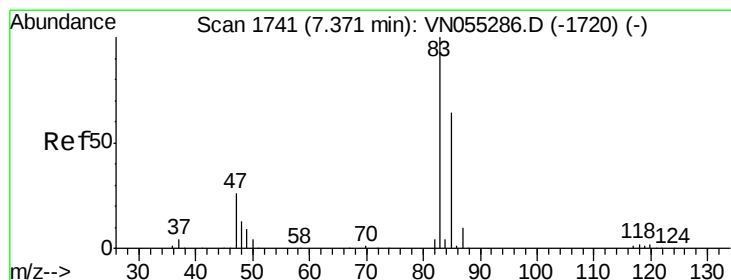
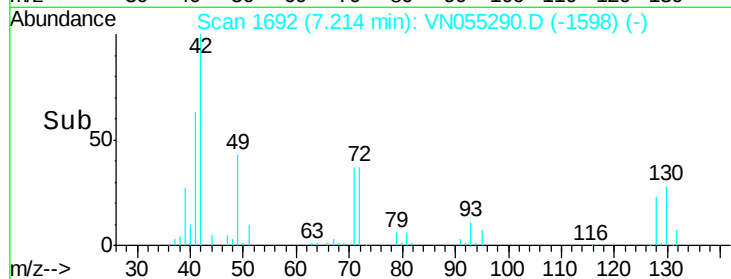
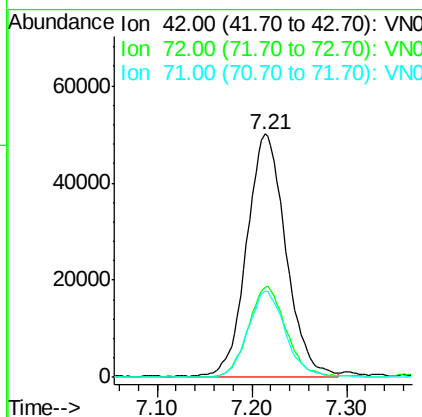
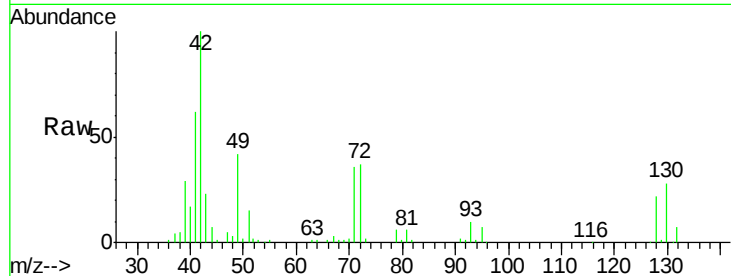
#29
Tetrahydrofuran
Concen: 99.997 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	29.0	43.6
71	34.2	27.1	40.7

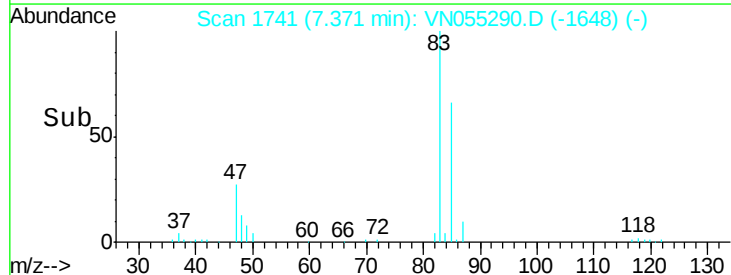
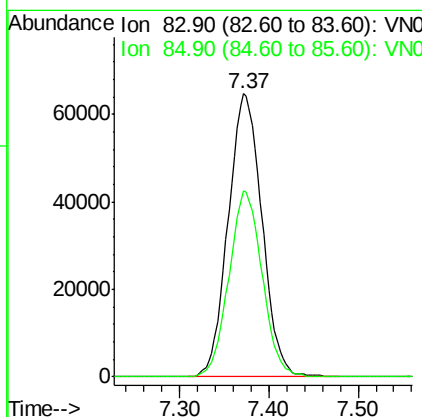
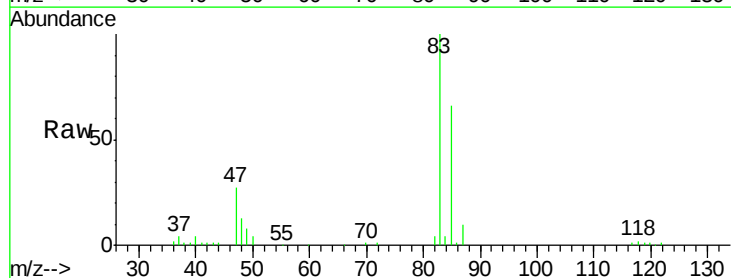
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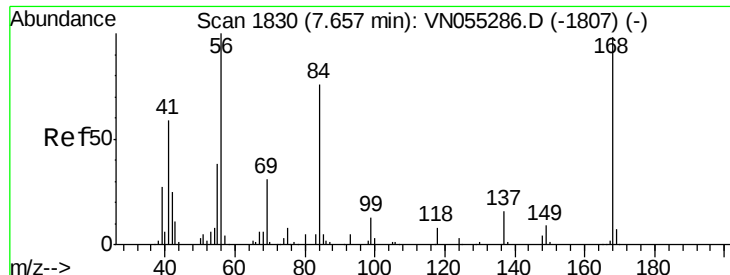
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#30
Chloroform
Concen: 19.353 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.2





#31

Cyclohexane

Concen: 19.614 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

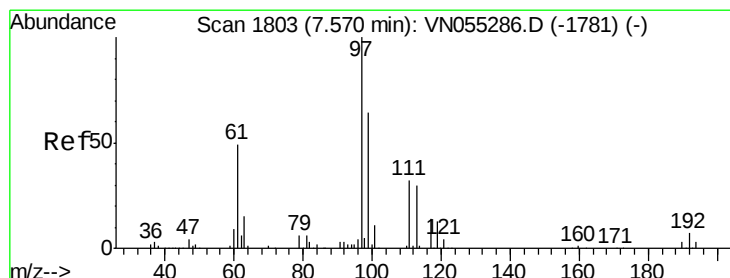
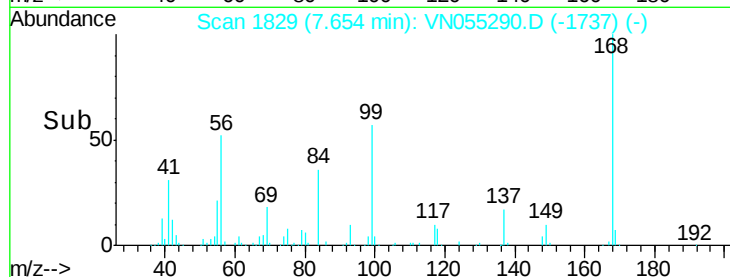
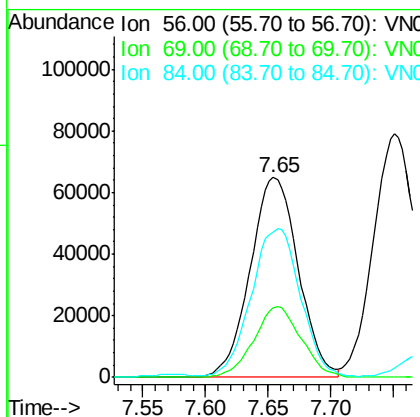
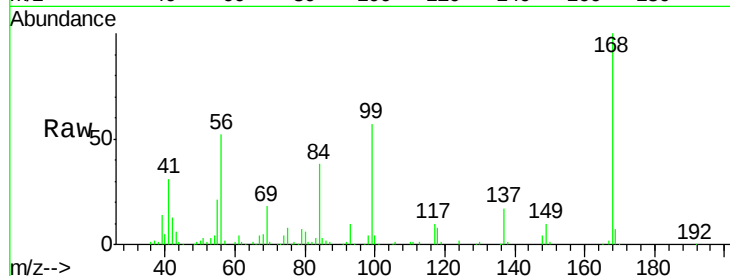
ClientSampled :

VN0429WBS01

Tot Ion:	56	Resp:	172733
Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.2	37.8
84	71.8	61.1	91.7

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#32

1,1,1-Trichloroethane

Concen: 19.882 ug/l

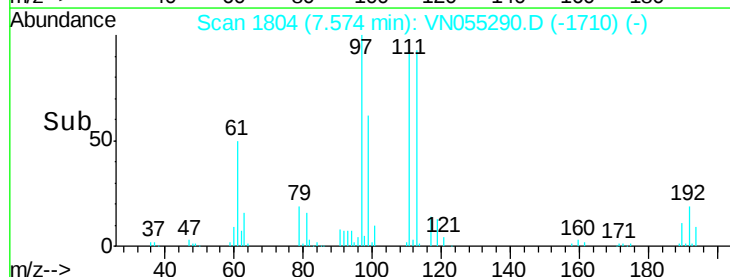
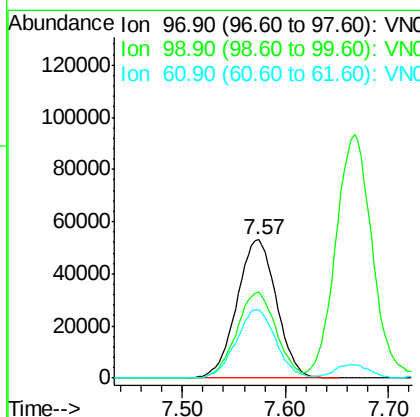
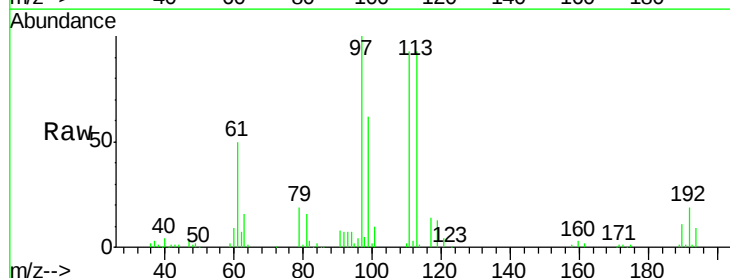
RT: 7.57 min Scan# 1804

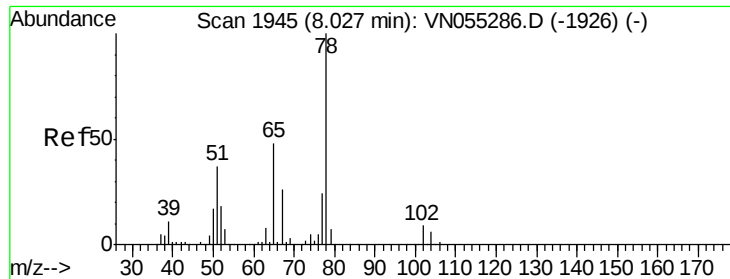
Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Tgt Ion:	97	Resp:	141788
Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.8	77.8
61	49.4	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 49.862 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 65 Resp: 279166

Ion Ratio Lower Upper

65 100

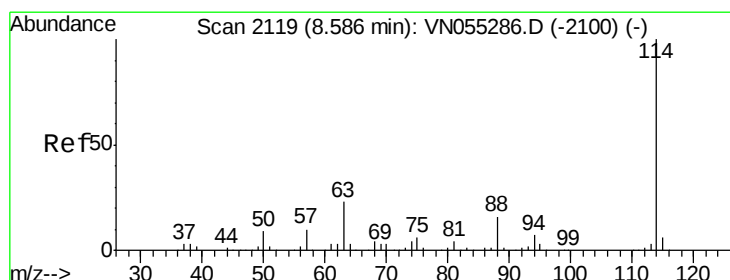
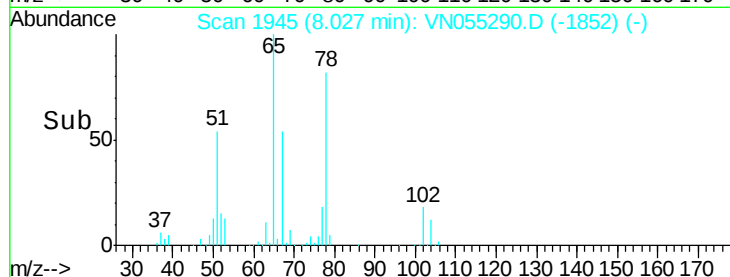
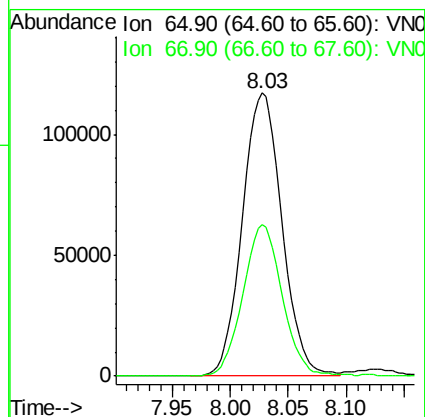
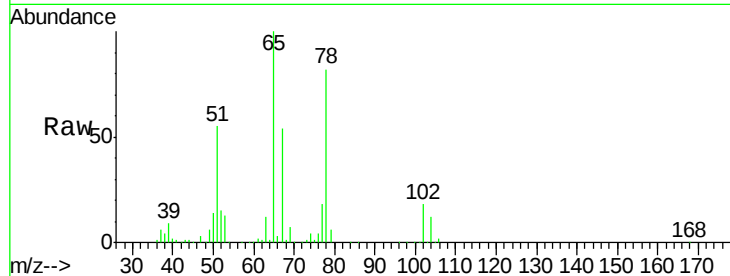
67 52.9 0.0 106.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

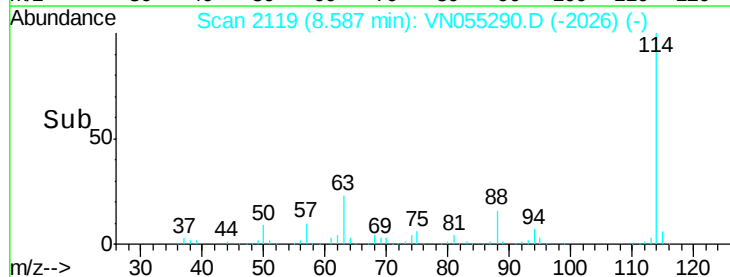
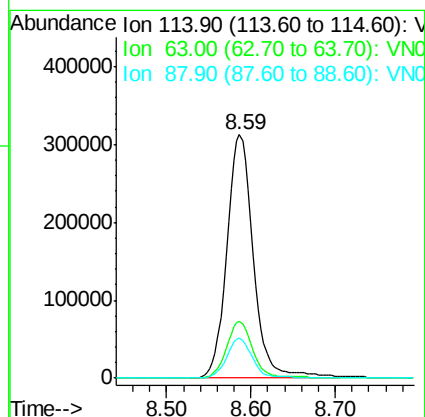
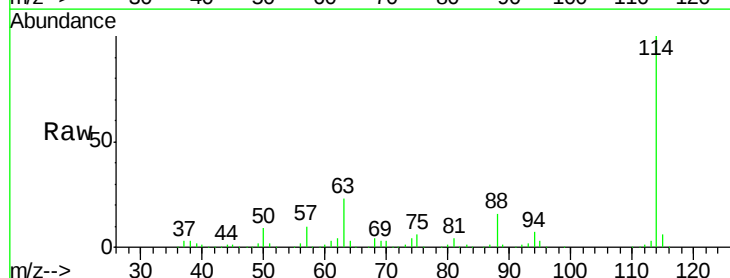
Tgt Ion: 114 Resp: 683569

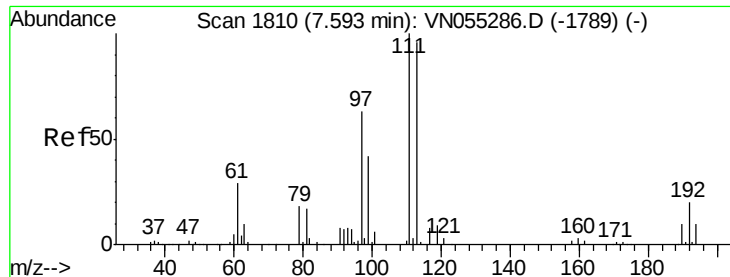
Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.2

88 16.3 0.0 31.6





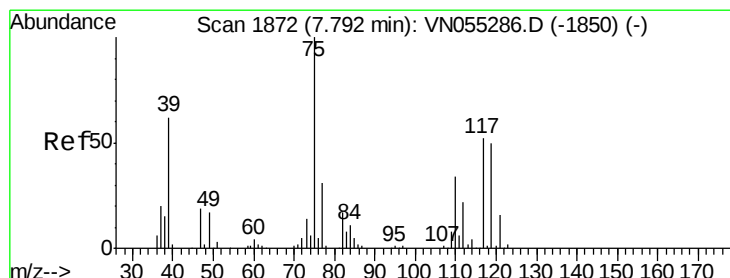
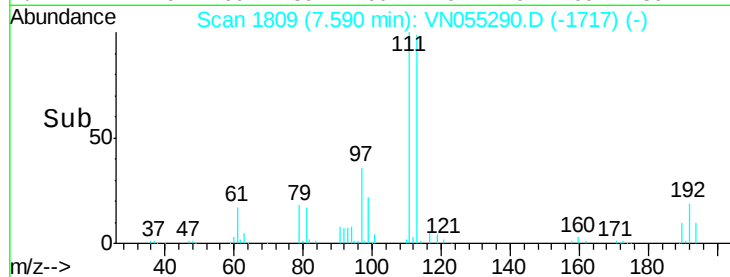
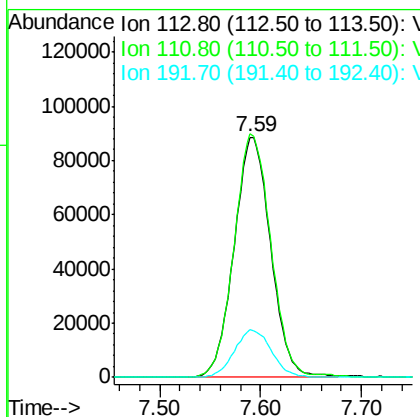
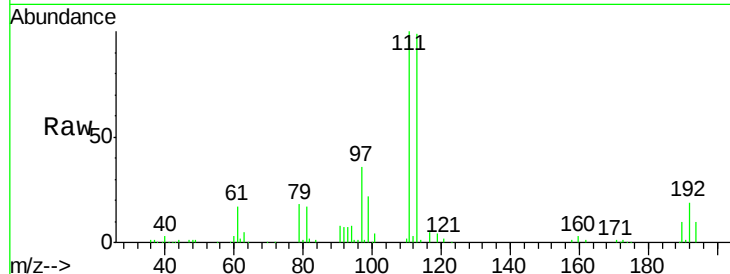
#35
 Dibromofluoromethane
 Concen: 49.694 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222962		
111	101.4	82.3	123.5	
192	20.0	17.0	25.6	

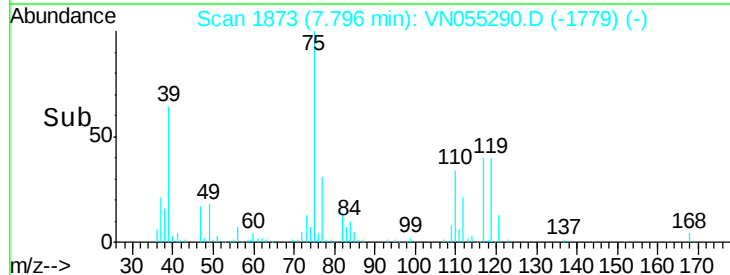
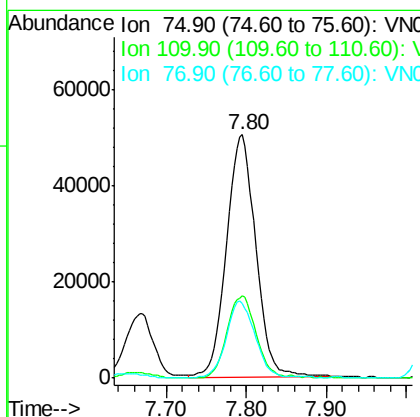
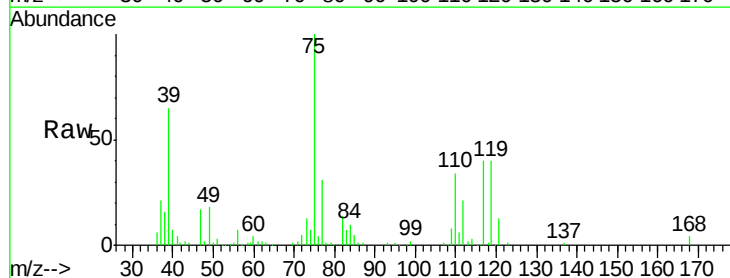
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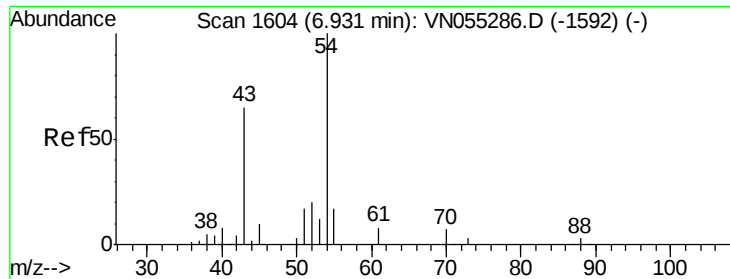
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#36
 1,1-Dichloropropene
 Concen: 19.240 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125973		
110	33.5	16.8	50.4	
77	30.9	25.0	37.6	





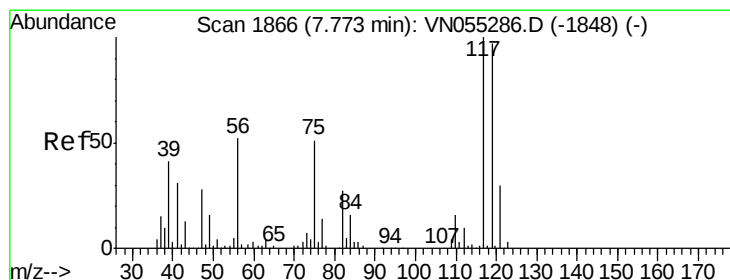
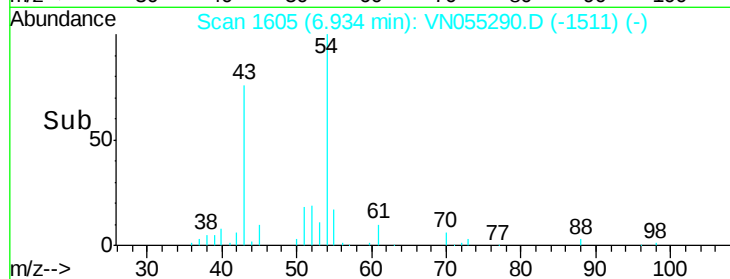
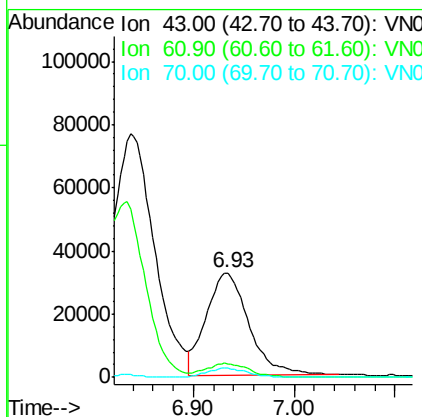
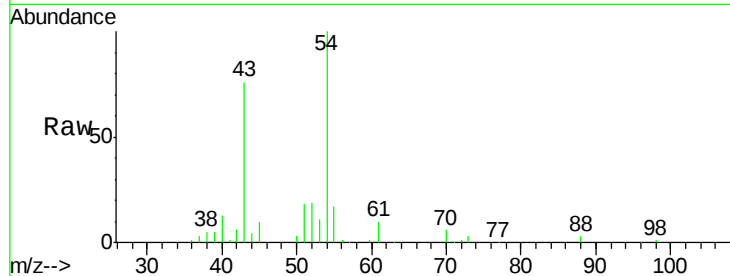
#37
Ethyl Acetate
Concen: 19.067 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0429WBS01

Tot Ion	43	61	70
Resp	95681		
Ion Ratio	100	14.2	8.6
Lower		10.4	6.6
Upper		15.6	10.0

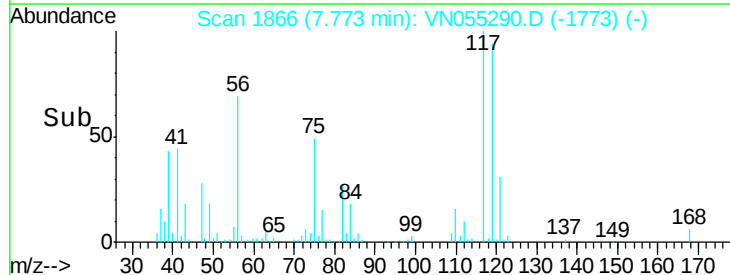
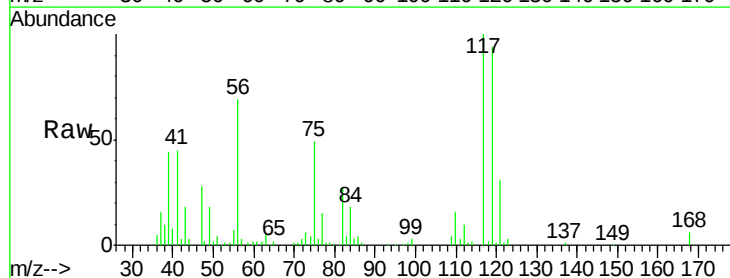
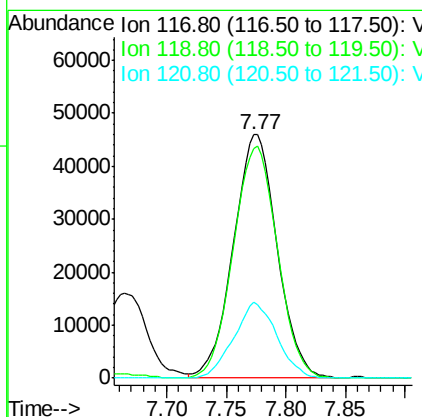
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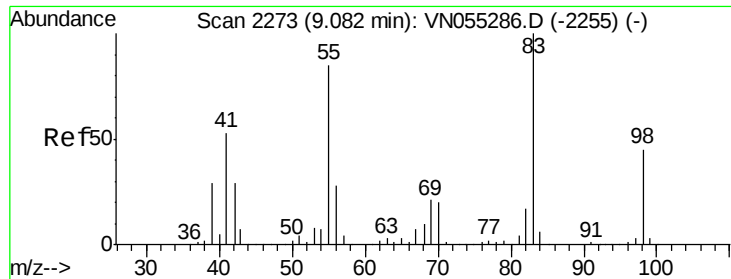
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#38
Carbon Tetrachloride
Concen: 18.569 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	117	119	121
Resp	117279		
Ion Ratio	100	94.4	31.1
Lower		77.0	23.8
Upper		115.6	35.8





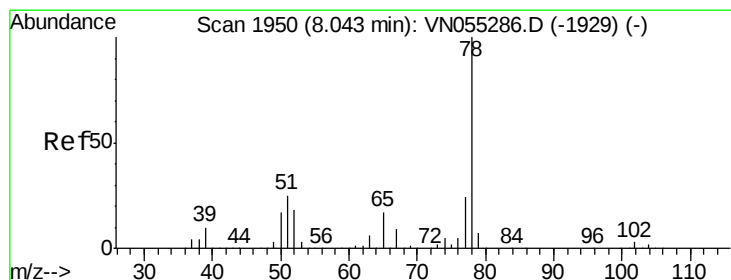
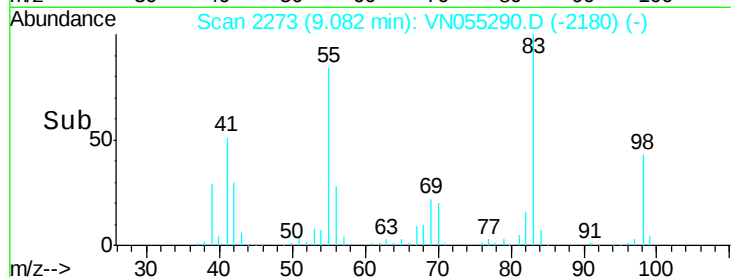
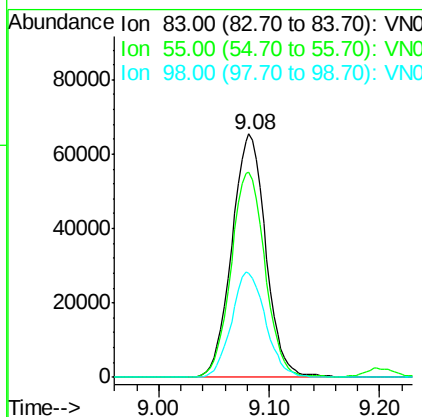
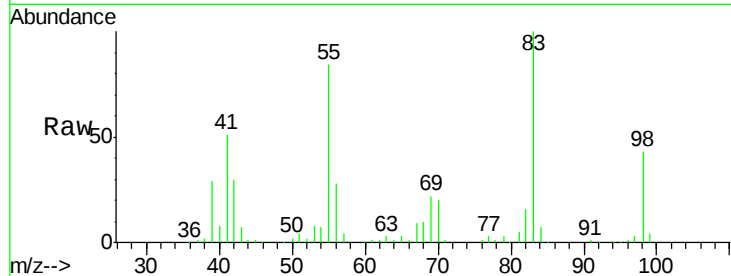
#39
Methvlcvclohexane
Concen: 20.034 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	83	Resp	139468
Ion Ratio	Lower	Upper	
83	100		
55	84.2	67.8	101.6
98	42.8	36.2	54.4

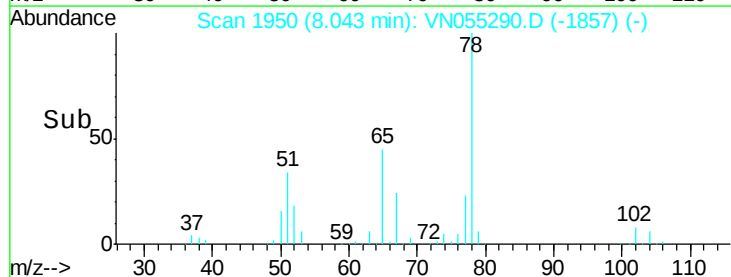
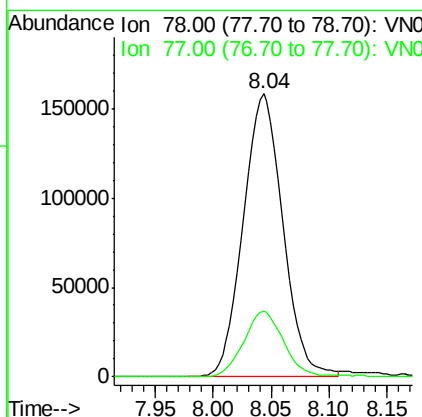
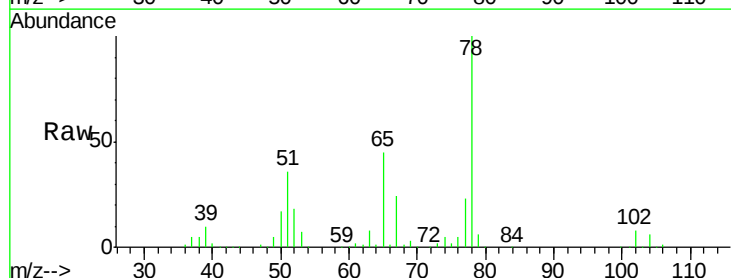
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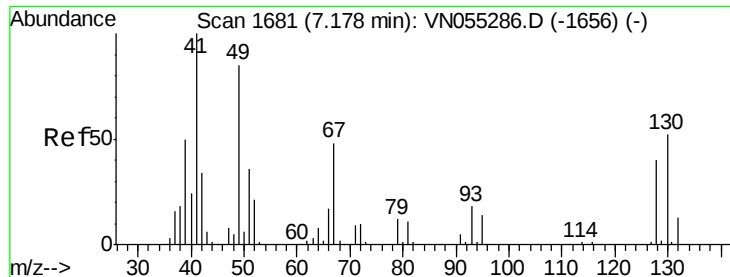
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#40
Benzene
Concen: 19.574 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	78	Resp	377803
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.0	28.6





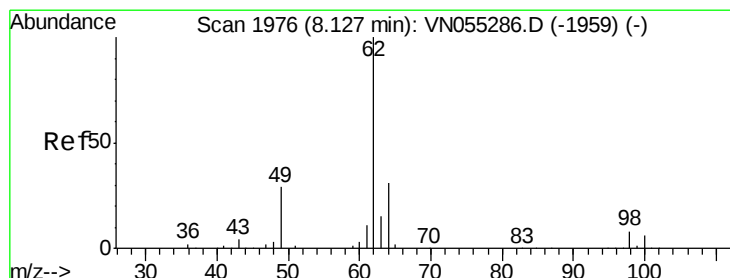
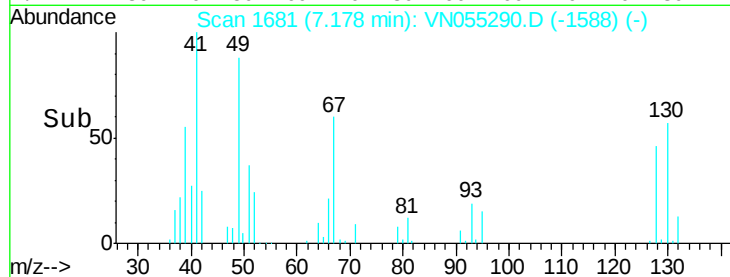
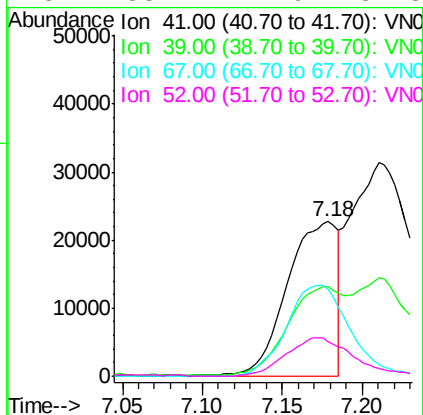
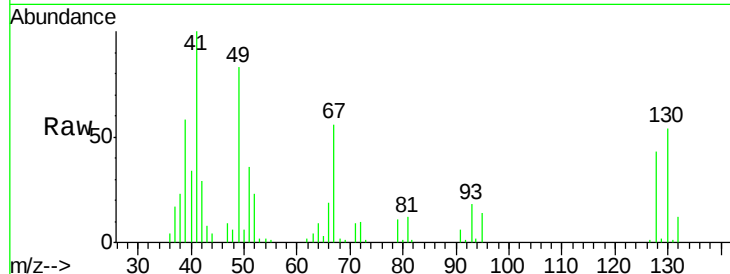
#41
Methacrylonitrile
Concen: 18.891 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.3	48.5	72.7	
67	75.7	54.9	82.3	
52	33.4	24.9	37.3	

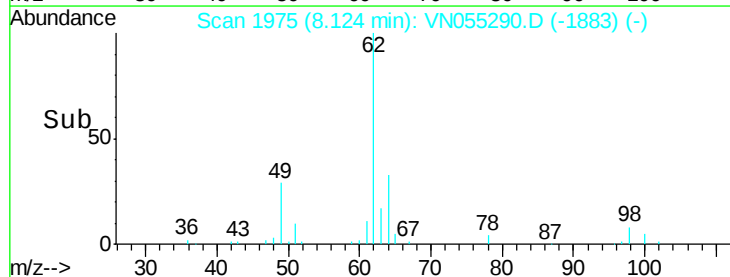
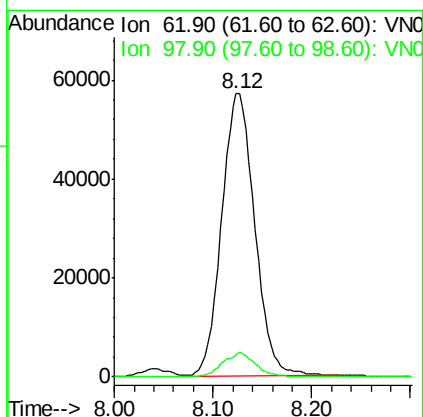
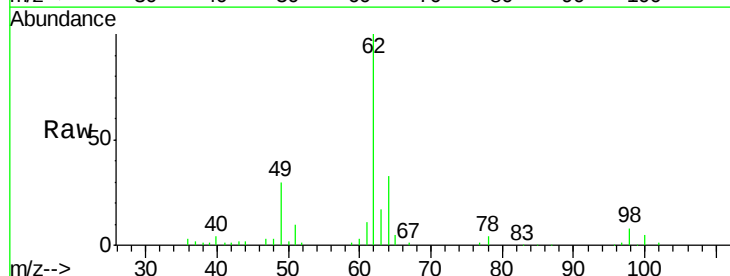
Manual Integrations
APPROVED

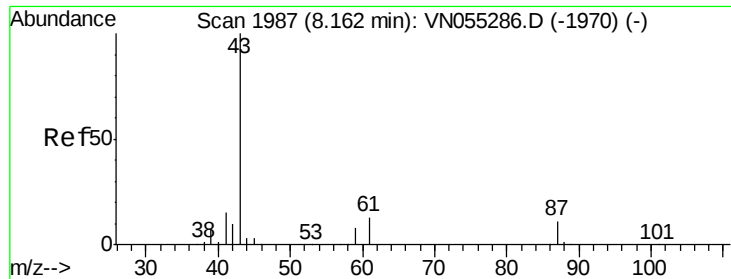
MMDadoda
4/30/2019 11:59:17 AM



#42
1,2-Dichloroethane
Concen: 19.591 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.4	





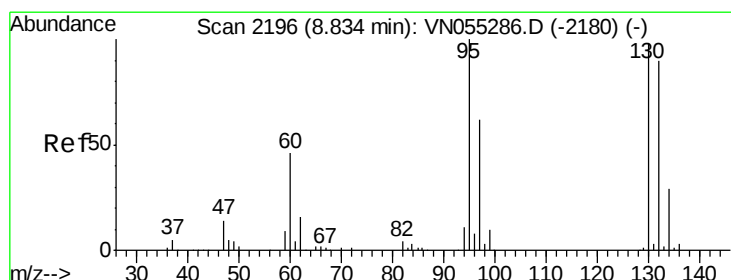
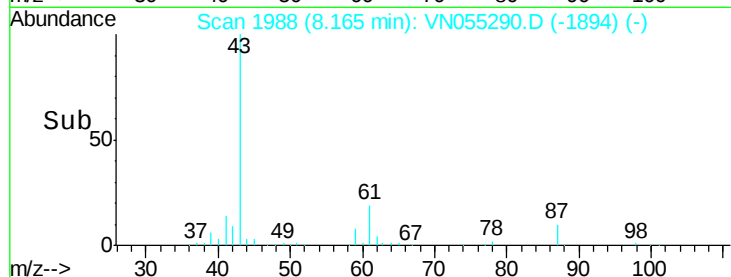
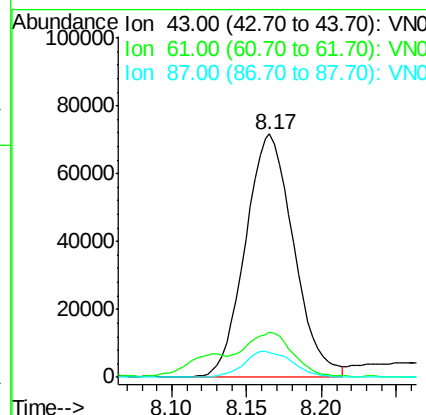
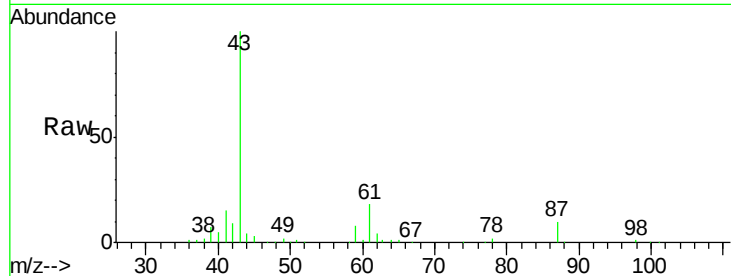
#43
Isopropyl Acetate
Concen: 19.810 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	20.8	31.2#
87	10.8	8.5	12.7

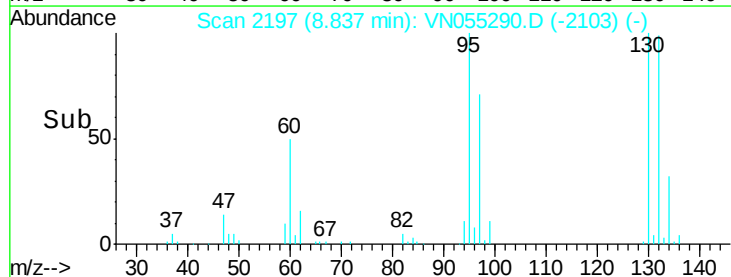
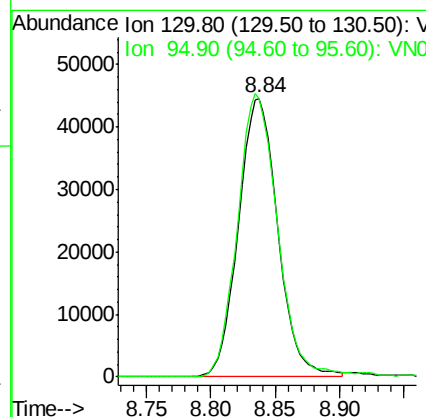
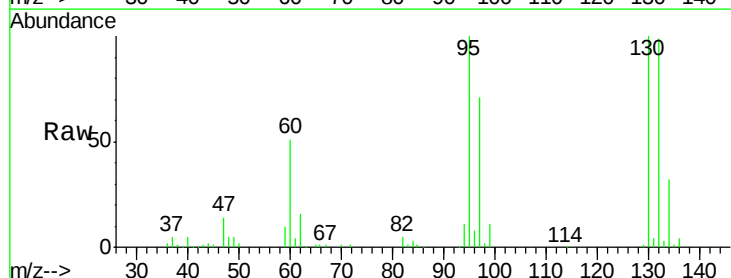
Manual Integrations
APPROVED

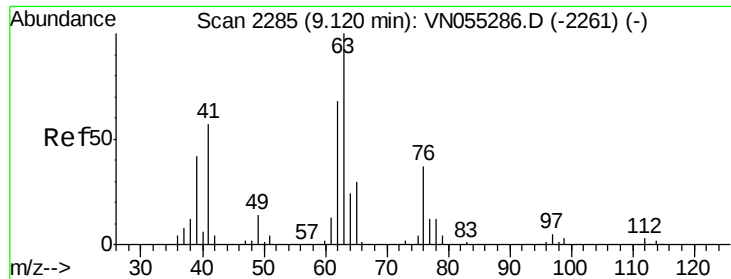
MMDadoda
4/30/2019 11:59:17 AM



#44
Trichloroethene
Concen: 19.229 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	203.4





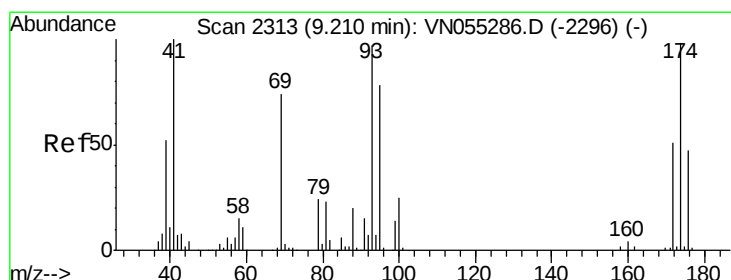
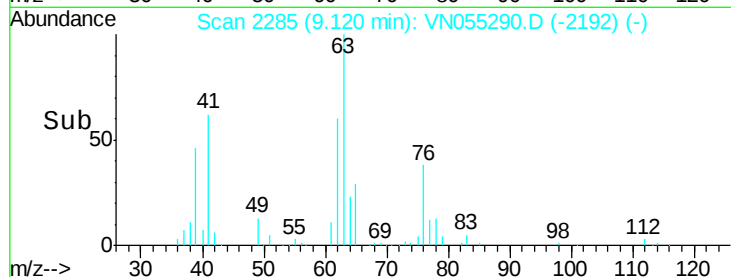
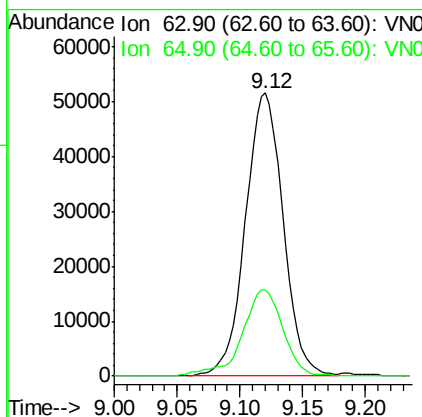
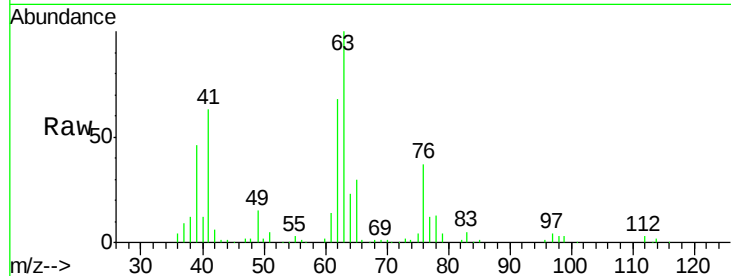
#45
 1,2-Dichloropropane
 Concen: 19.435 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion: 63 Resp: 108191
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.9 35.9

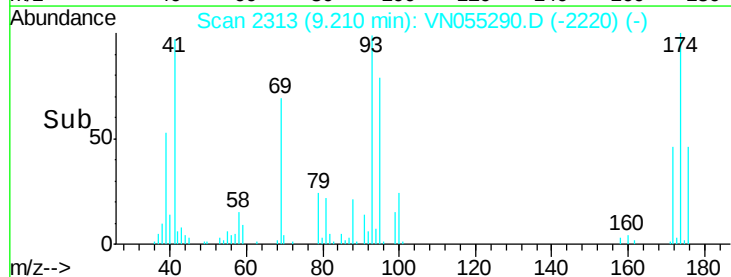
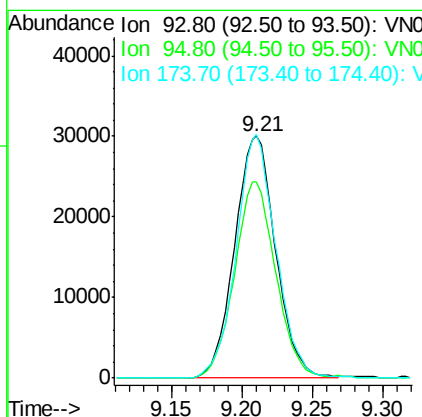
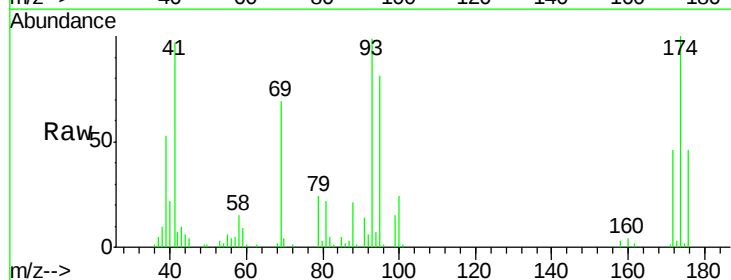
Manual Integrations
 APPROVED

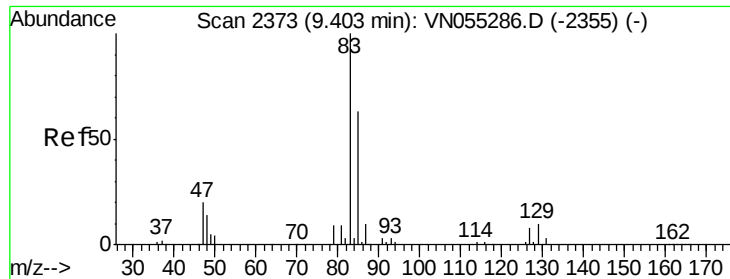
MMDadoda
 4/30/2019 11:59:17 AM



#46
 Dibromomethane
 Concen: 20.097 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Tgt Ion: 93 Resp: 61153
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.7 98.5
 174 97.0 81.5 122.3





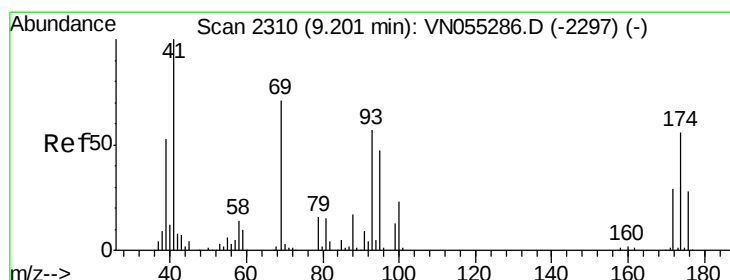
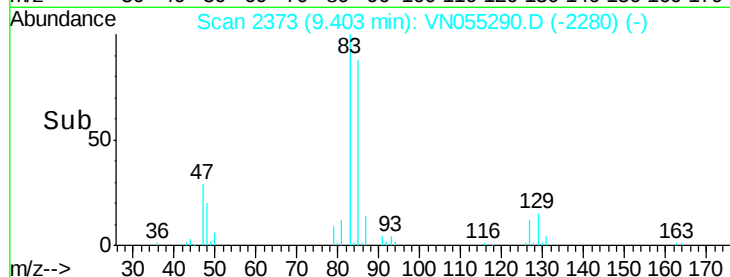
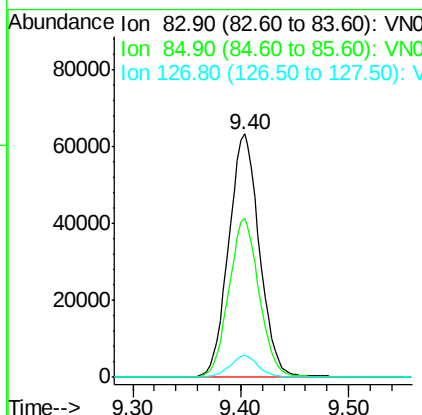
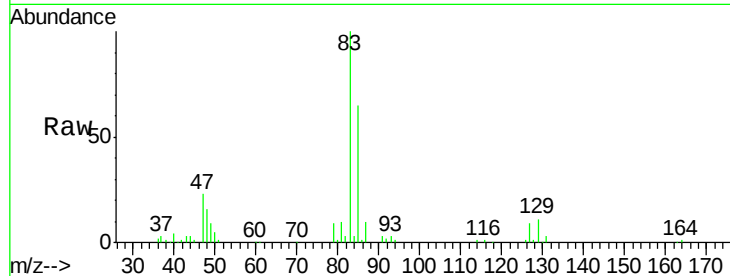
#47
Bromodichloromethane
Concen: 19.302 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	83	Resp	126003
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.1	75.1
127	8.9	6.7	10.1

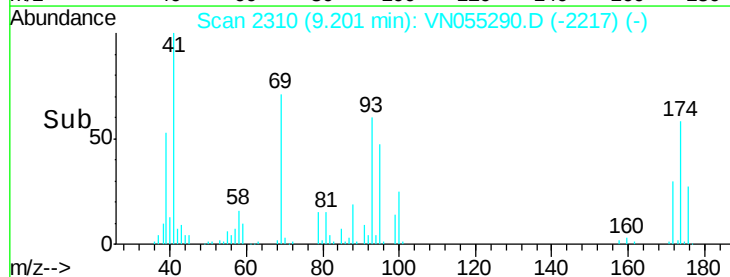
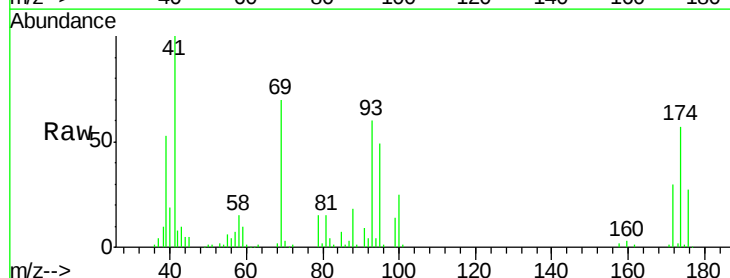
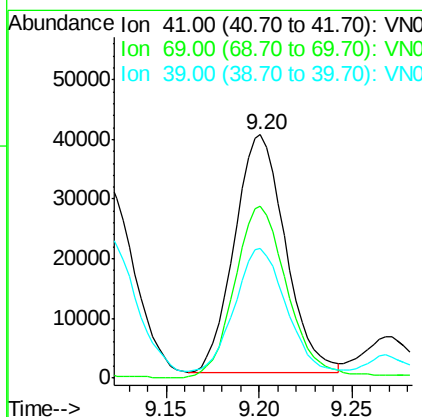
Manual Integrations
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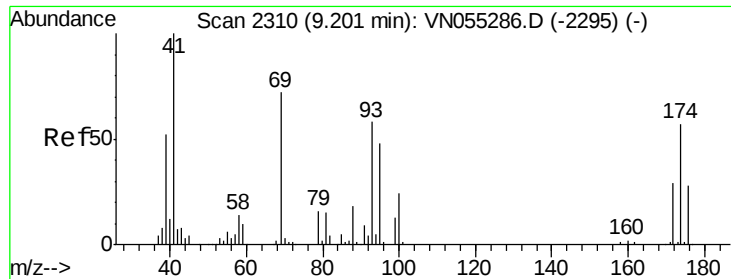
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4/30/2019 11:59:17 AM



#48
Methyl methacrylate
Concen: 19.341 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	41	Resp	76679
Ion Ratio	100	Lower	Upper
41	100		
69	74.9	58.6	87.8
39	56.3	43.8	65.6





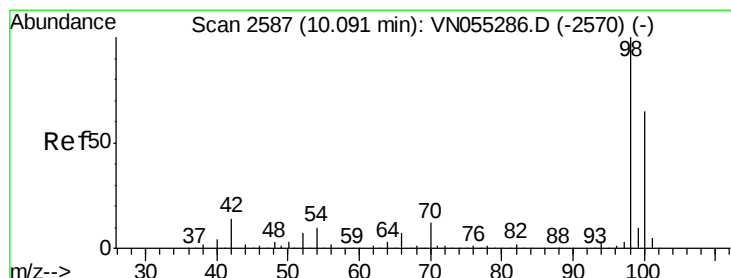
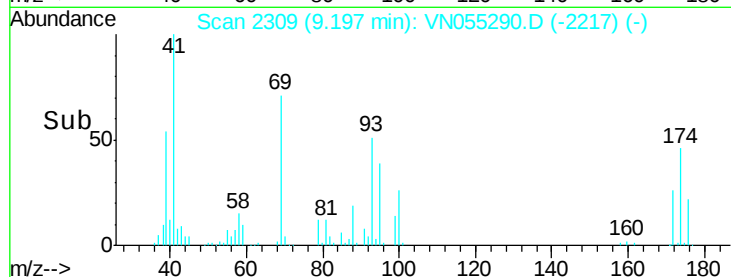
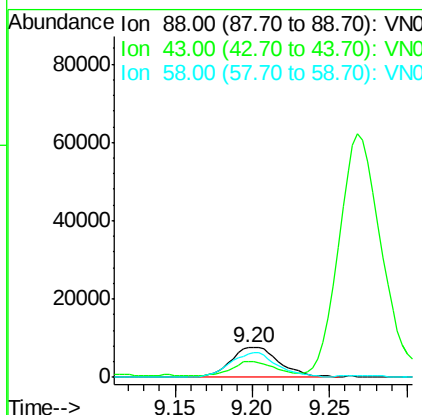
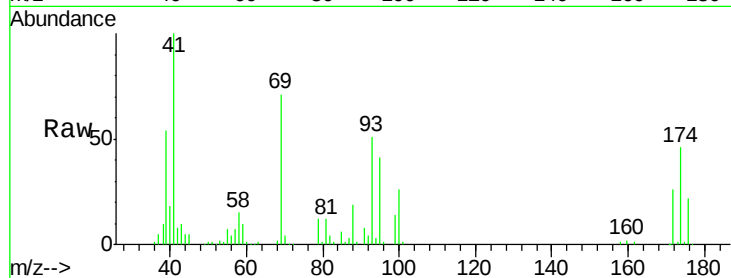
#49
1,4-Dioxane
Concen: 408.445 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.8	33.3	49.9
58	79.3	62.7	94.1

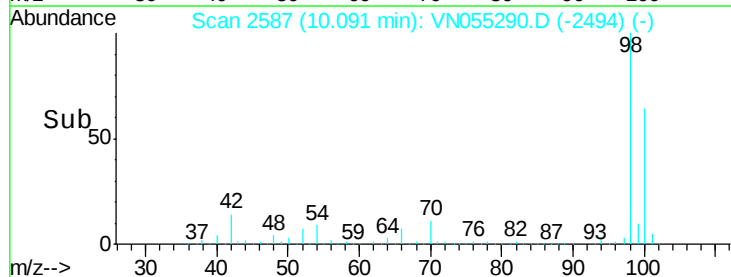
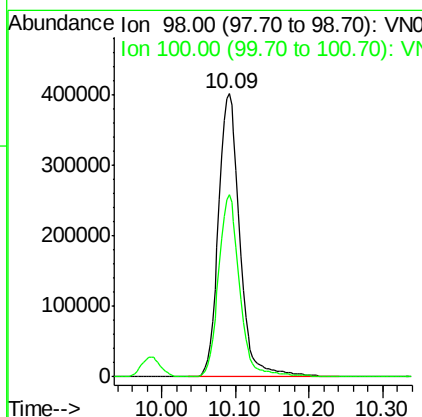
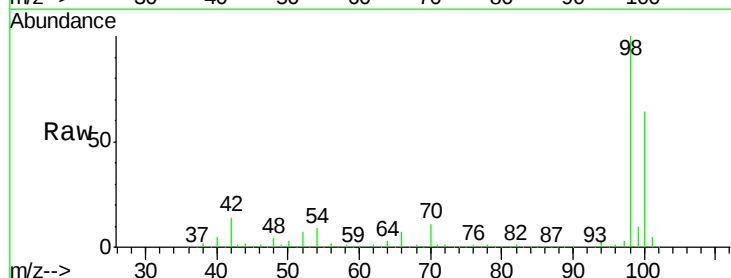
Manual Integrations
APPROVED

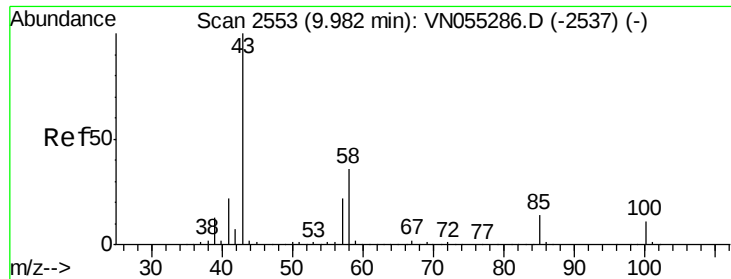
MMDadoda
4/30/2019 11:59:17 AM



#50
Toluene-d8
Concen: 49.767 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 101.069 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 43 Resp: 458893

Ion Ratio Lower Upper

43 100

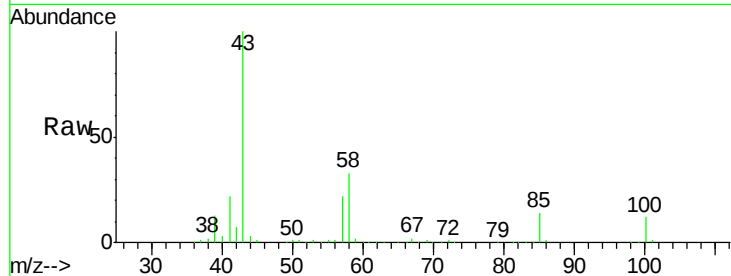
58 34.5 28.5 42.7

Manual Integrations

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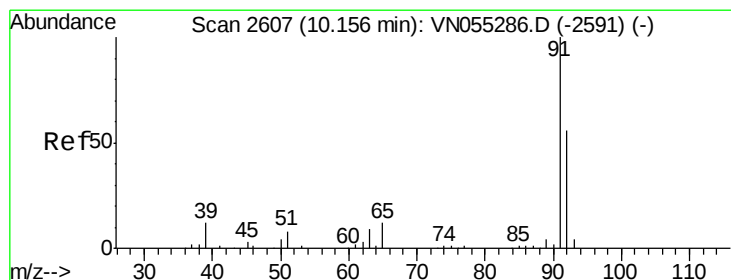
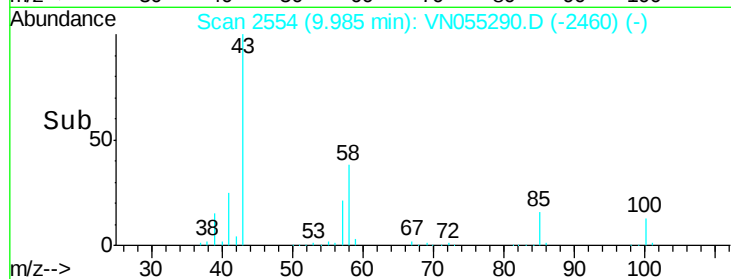
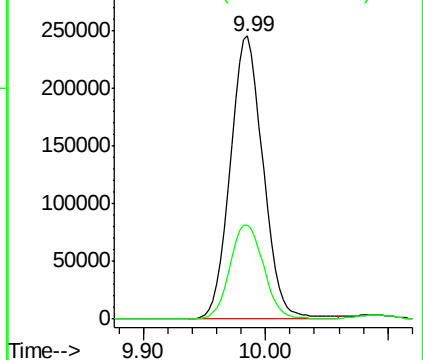
MMDadoda

4/30/2019 11:59:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.203 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055290.D

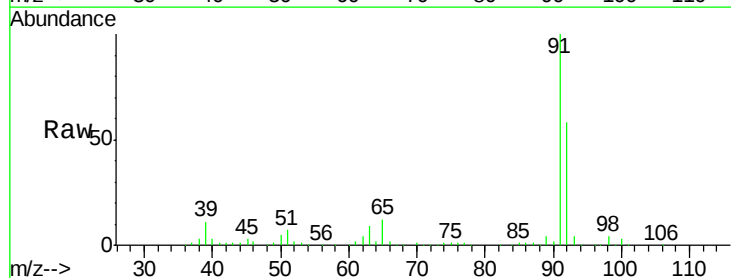
Acq: 29 Apr 2019 13:47

Tgt Ion: 92 Resp: 223746

Ion Ratio Lower Upper

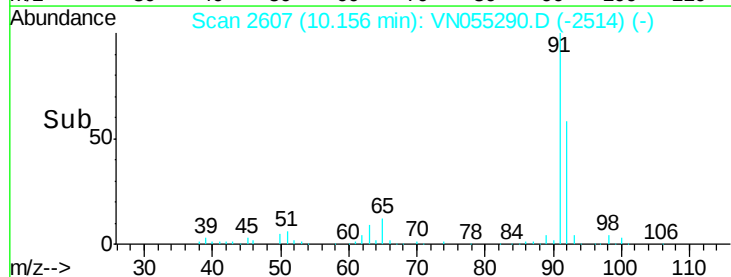
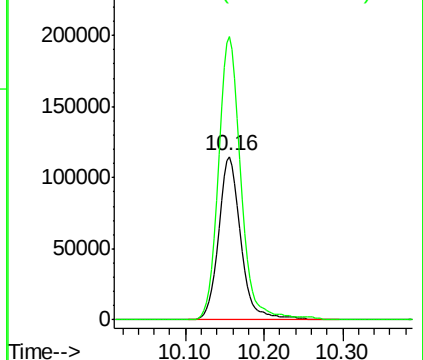
92 100

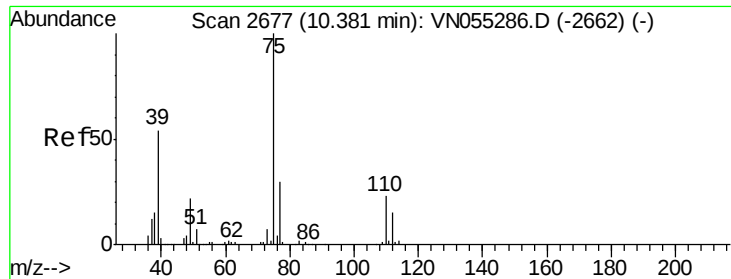
91 174.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





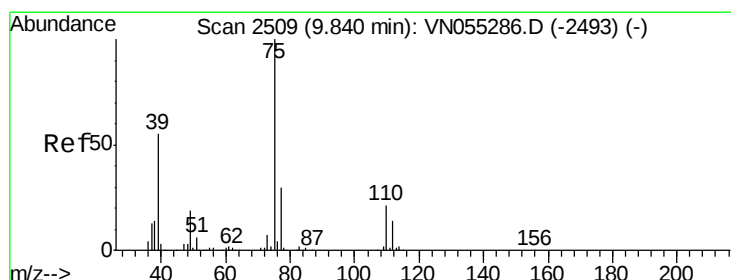
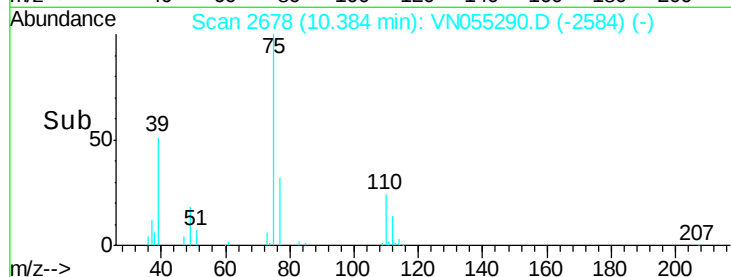
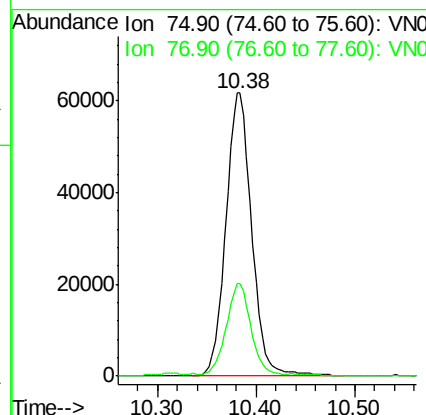
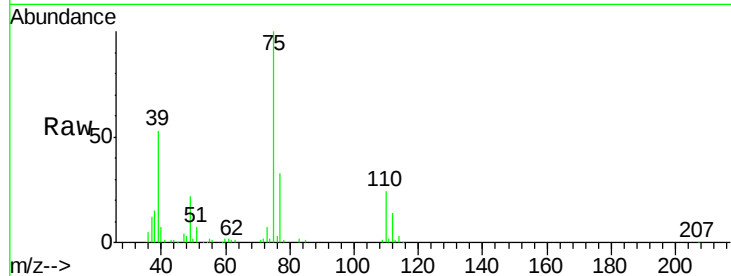
#53
t-1,3-Dichloropropene
Concen: 20.011 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0429WBS01

Tot Ion: 75 Resp: 113399
Ion Ratio Lower Upper
75 100
77 32.4 24.4 36.6

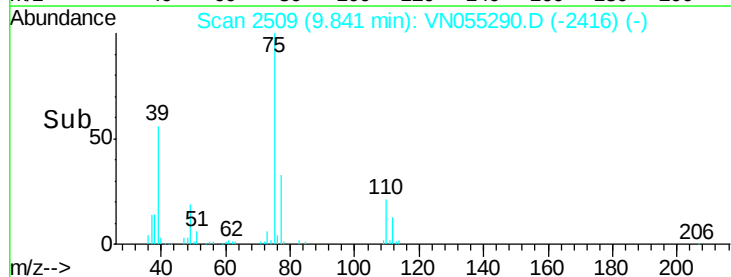
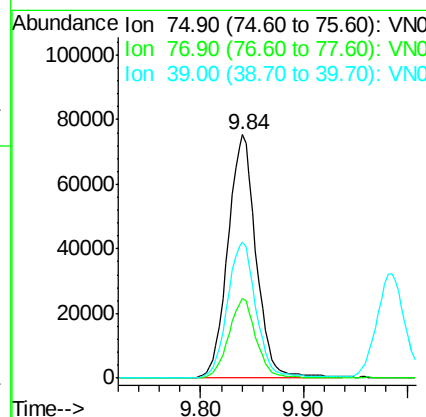
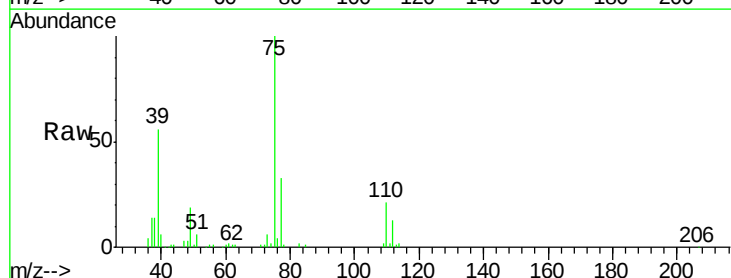
Manual Integrations
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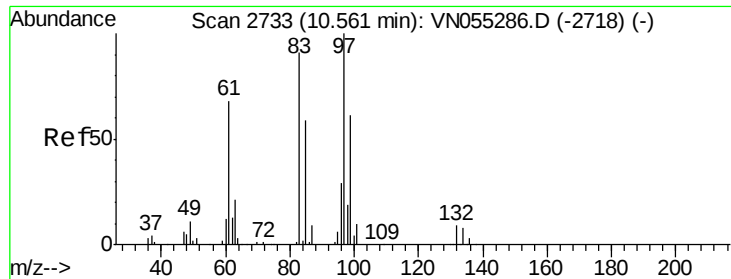
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#54
cis-1,3-Dichloropropene
Concen: 20.358 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion: 75 Resp: 143844
Ion Ratio Lower Upper
75 100
77 32.8 24.2 36.2
39 55.9 44.2 66.2





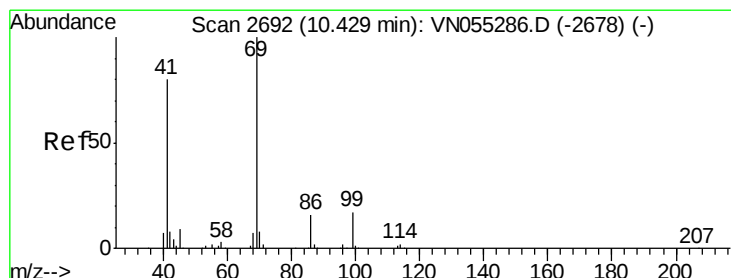
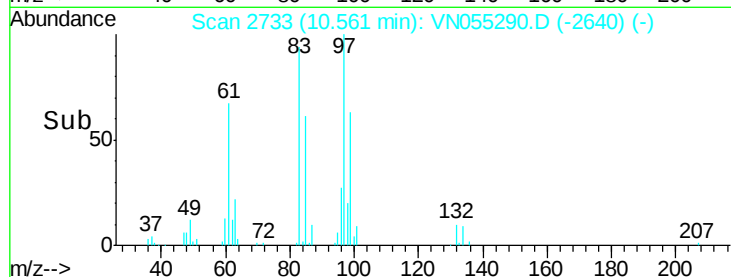
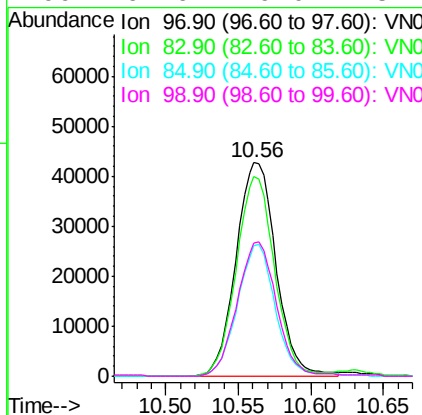
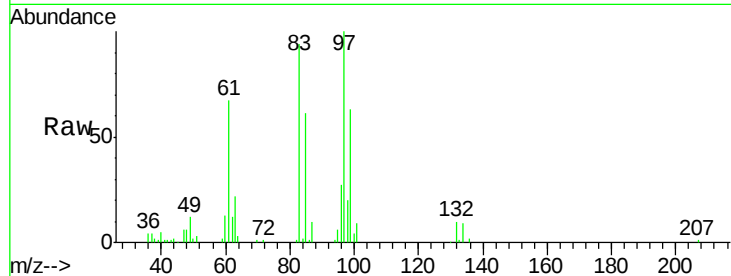
#55
 1,1,2-Trichloroethane
 Concen: 19.907 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	97	Resp	81866
Ion Ratio	Lower	Upper	
97	100		
83	93.6	72.8	109.2
85	61.0	47.0	70.6
99	62.6	49.0	73.4

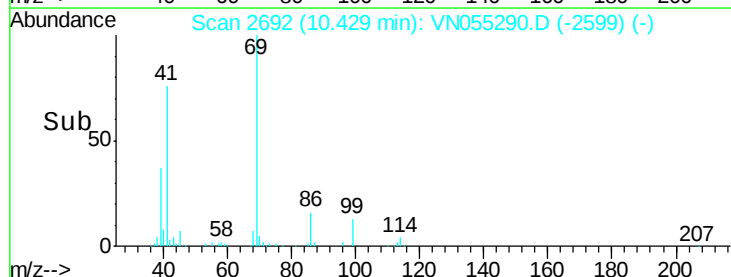
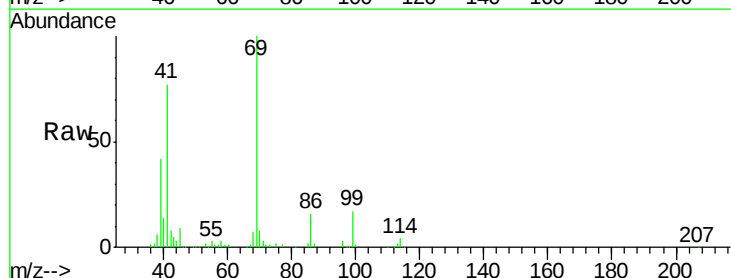
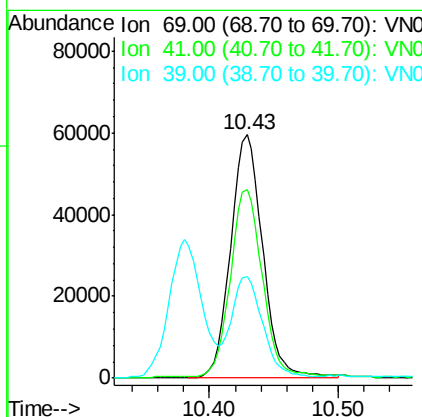
Manual Integrations
 APPROVED

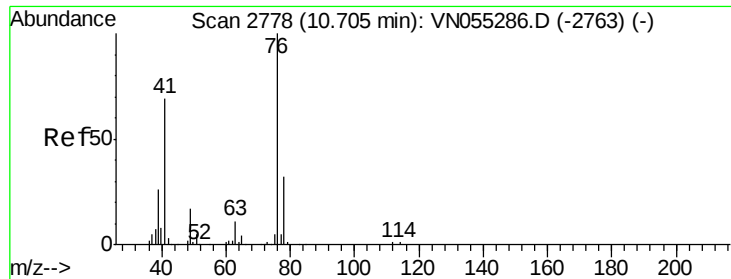
MMDadoda
 4/30/2019 11:59:17 AM



#56
 Ethyl methacrylate
 Concen: 20.387 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Tgt Ion	69	Resp	103198
Ion Ratio	Lower	Upper	
69	100		
41	76.0	62.7	94.1
39	40.6	32.0	48.0





#57

1,3-Dichloropropane

Concen: 19.939 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 76 Resp: 143847

Ion Ratio Lower Upper

76 100

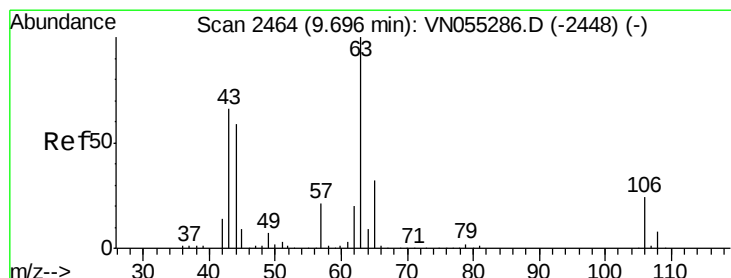
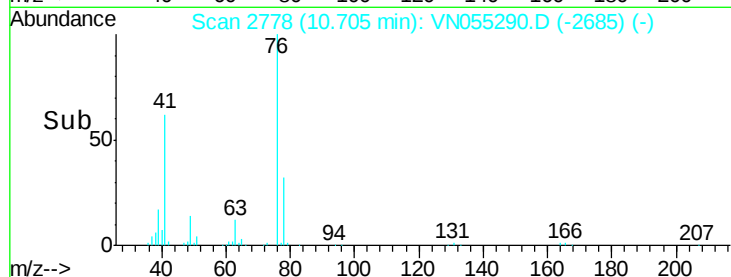
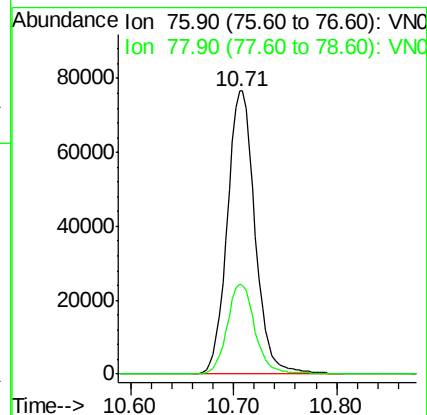
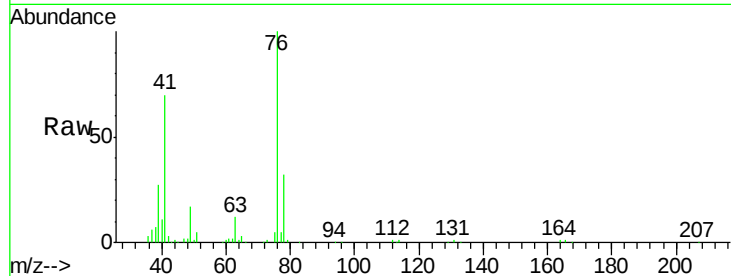
78 31.6 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.114 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055290.D

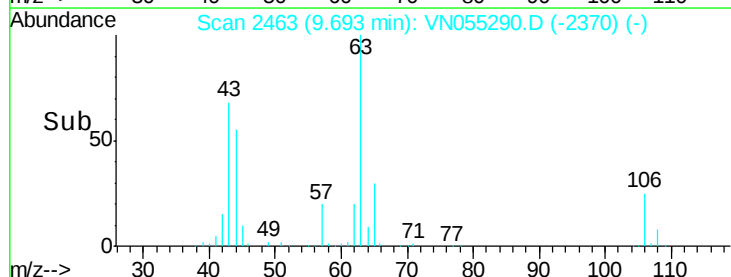
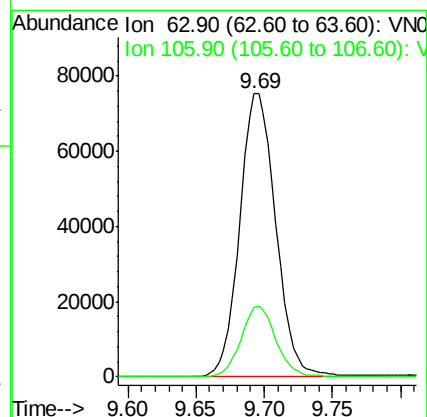
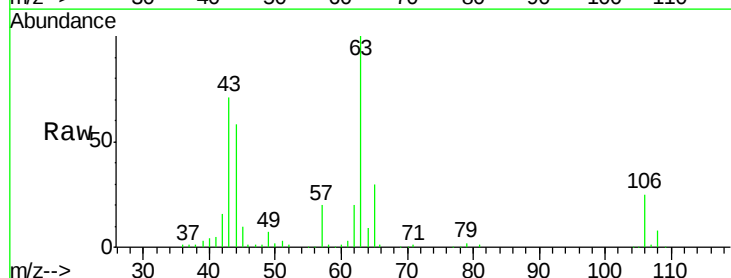
Acq: 29 Apr 2019 13:47

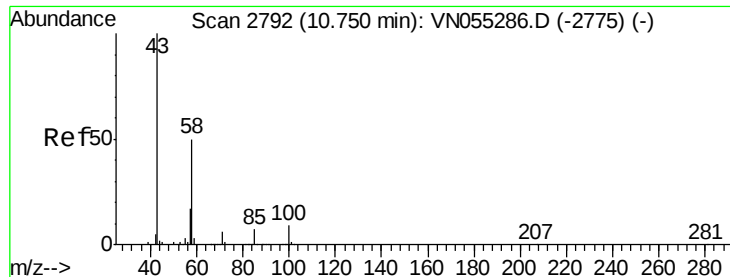
Tgt Ion: 63 Resp: 138368

Ion Ratio Lower Upper

63 100

106 24.2 19.0 28.4





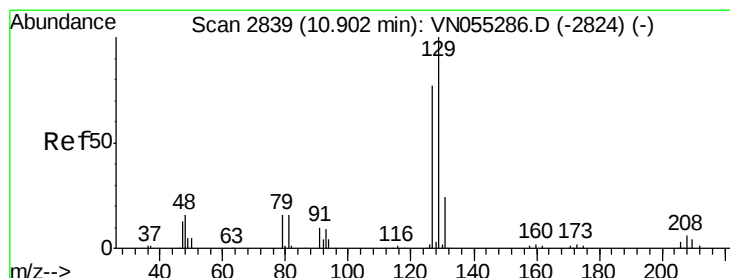
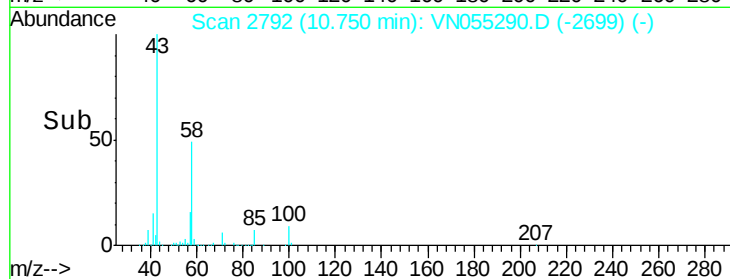
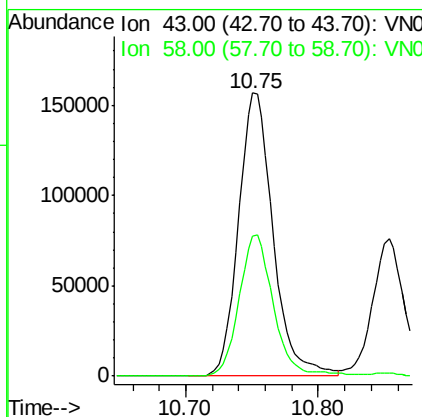
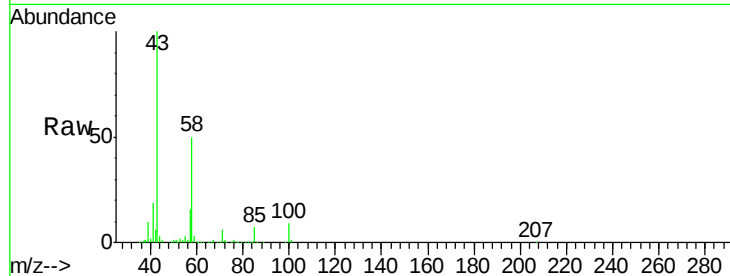
#59
2-Hexanone
Concen: 99.591 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	24.9	74.6

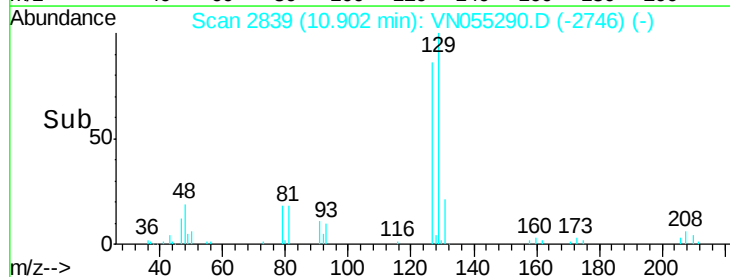
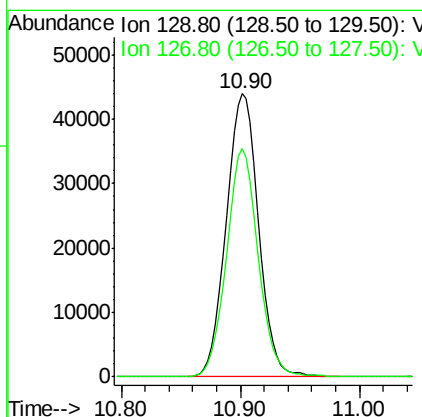
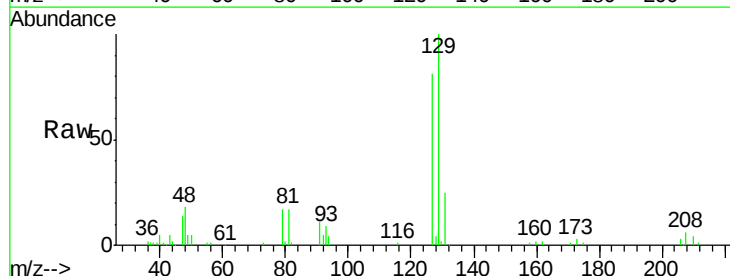
Manual Integrations
APPROVED

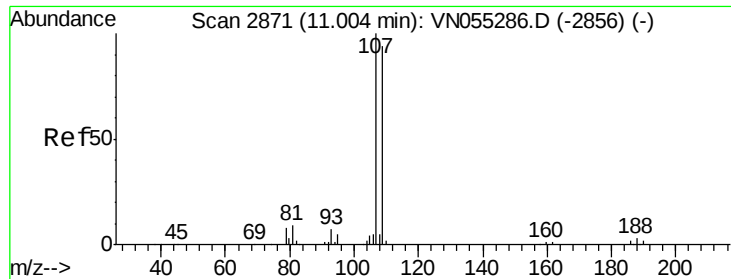
MMDadoda
4/30/2019 11:59:17 AM



#60
Dibromochloromethane
Concen: 19.666 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.1	114.5





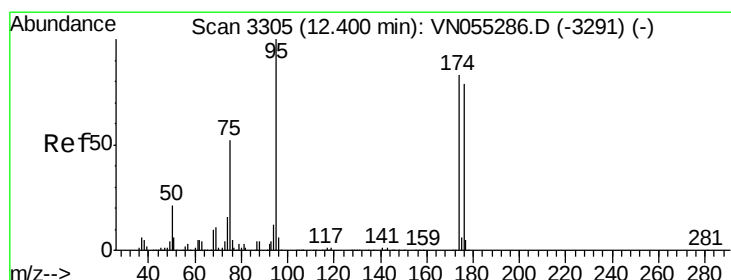
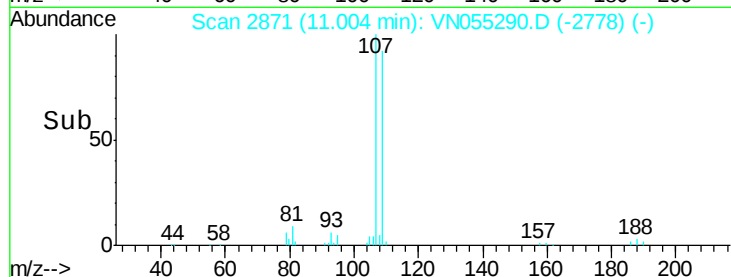
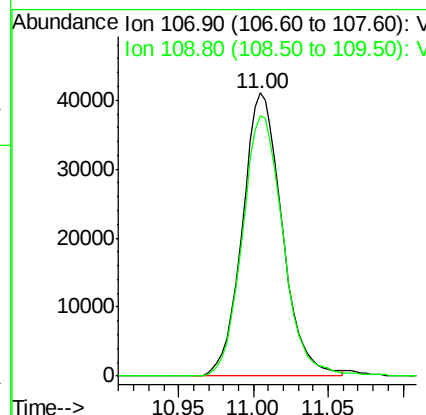
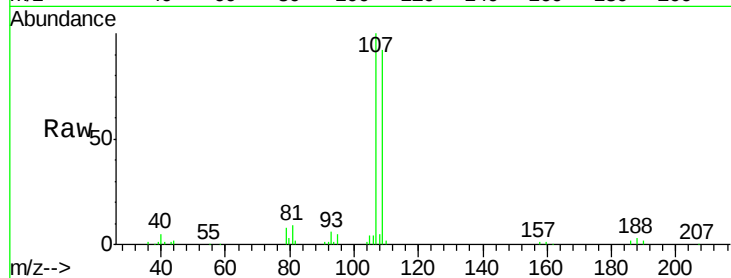
#61
 1,2-Dibromoethane
 Concen: 19.963 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.6

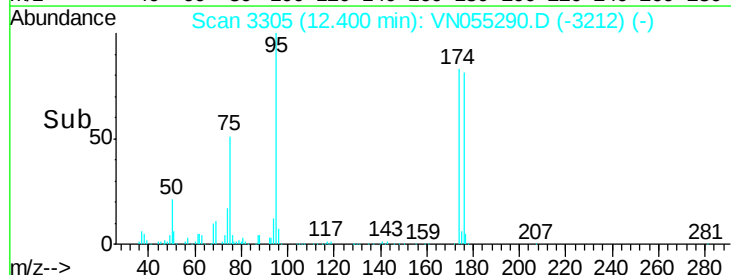
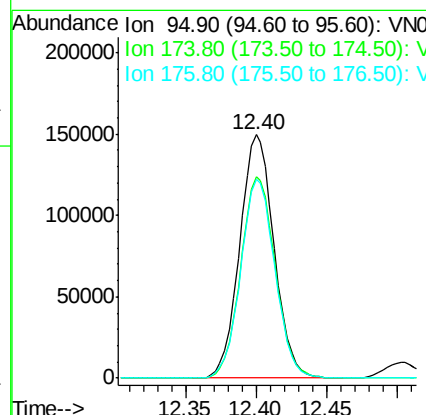
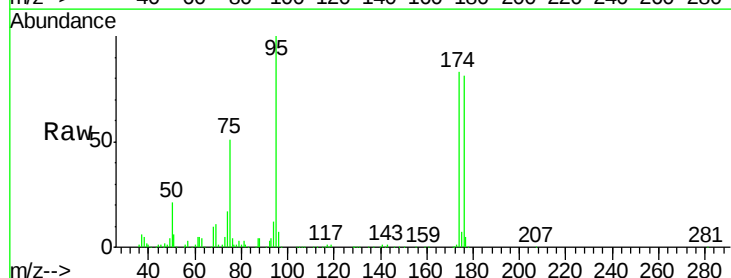
Manual Integrations
 APPROVED

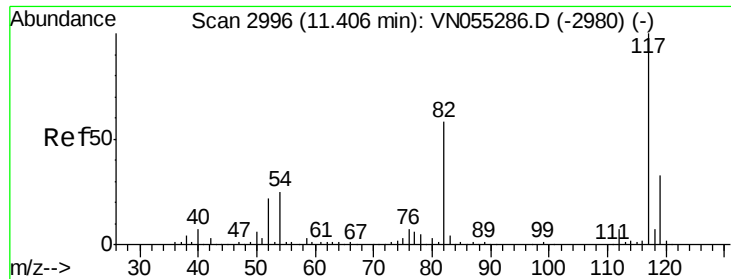
MMDadoda
 4/30/2019 11:59:17 AM



#62
 4-Bromofluorobenzene
 Concen: 50.258 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	166.6
176	81.7	0.0	157.8





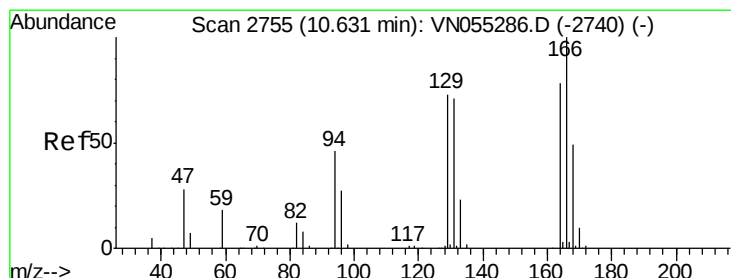
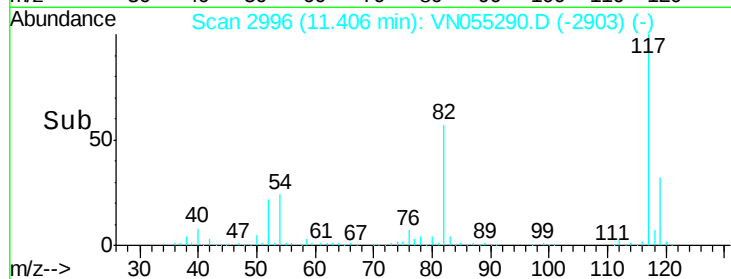
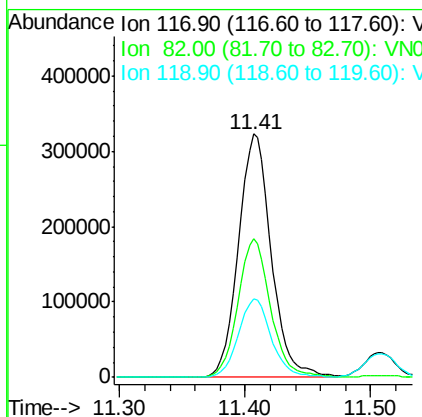
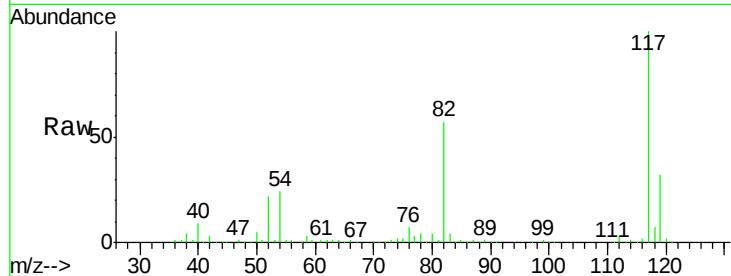
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.2	69.4
119	32.3	26.6	40.0

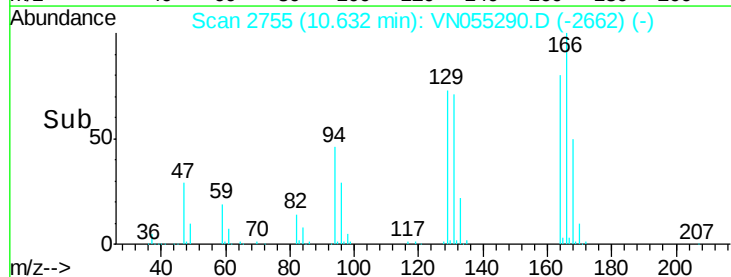
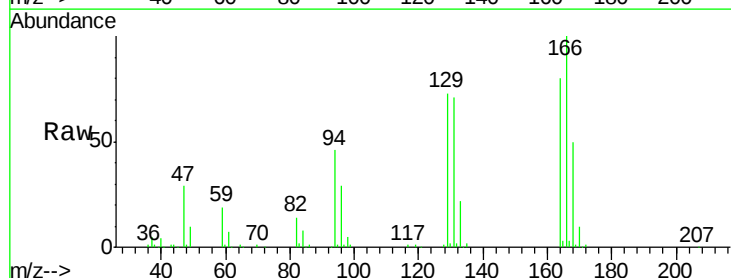
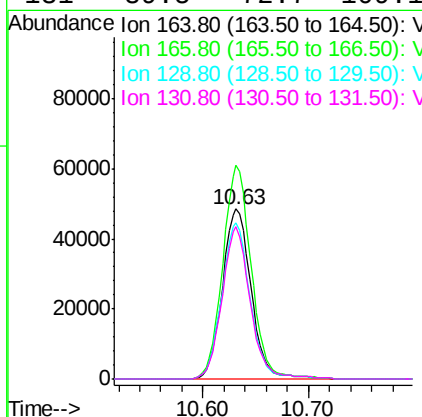
Manual Integrations
APPROVED

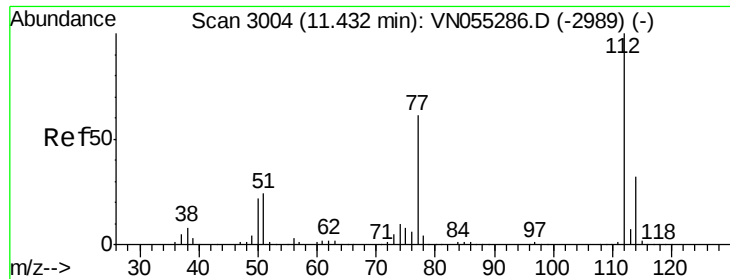
MMDadoda
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#64
Tetrachloroethene
Concen: 19.047 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	102.3	153.5
129	92.0	75.0	112.6
131	89.5	72.7	109.1





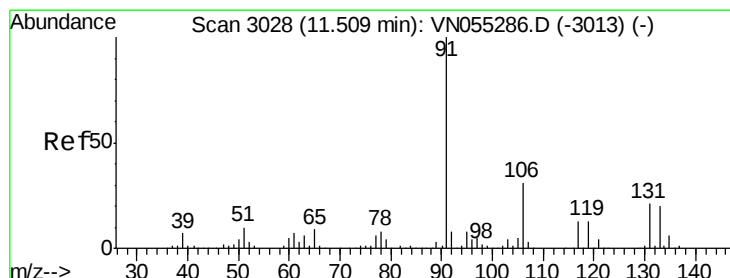
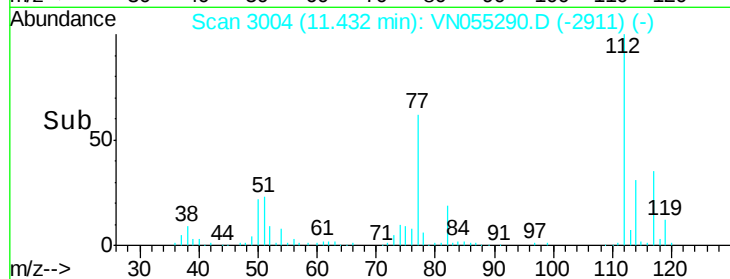
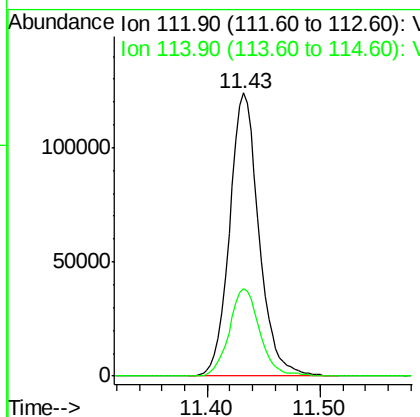
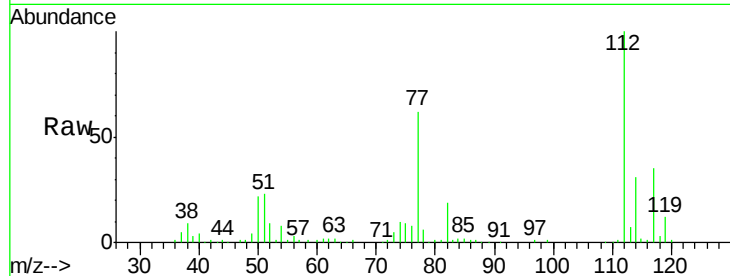
#65
Chlorobenzene
Concen: 19.495 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0429WBS01

Tot Ion:112 Resp: 223943
Ion Ratio Lower Upper
112 100
114 30.9 25.3 37.9

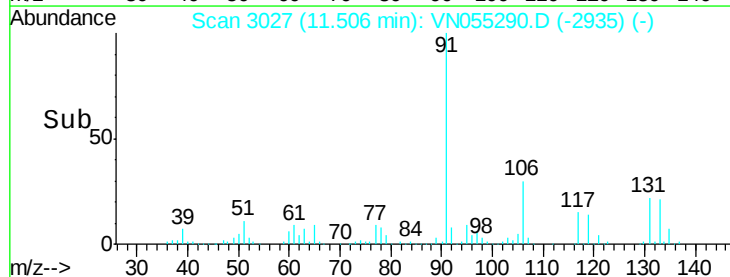
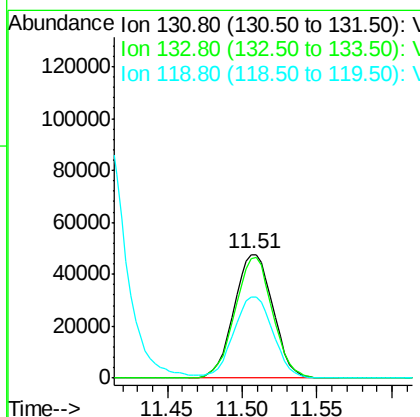
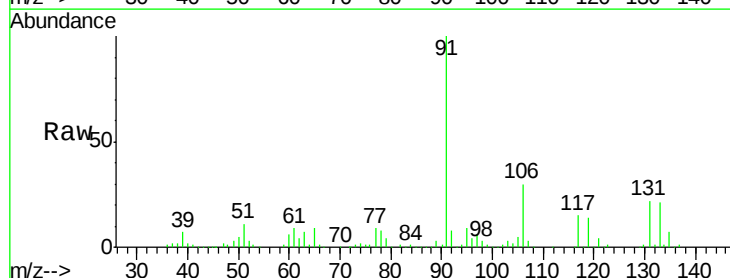
Manual Integrations
APPROVED

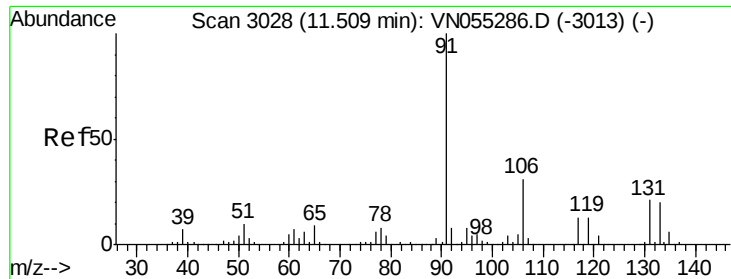
MMDadoda
4/30/2019 11:59:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.224 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion:131 Resp: 86468
Ion Ratio Lower Upper
131 100
133 94.6 47.5 142.6
119 66.5 32.7 98.1





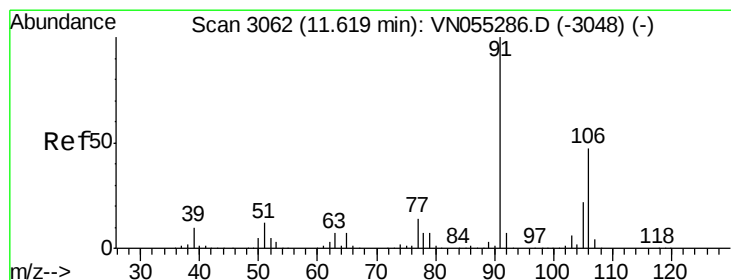
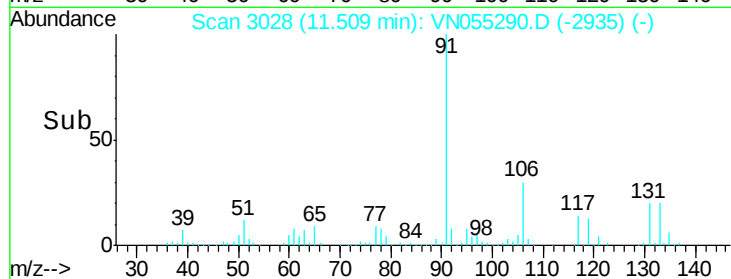
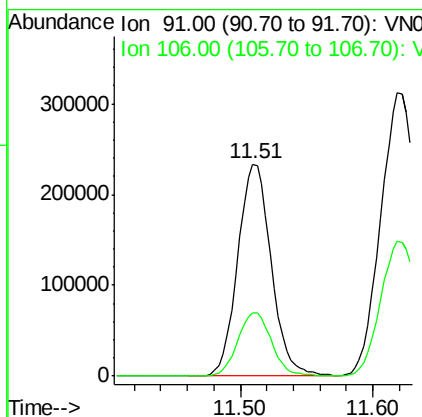
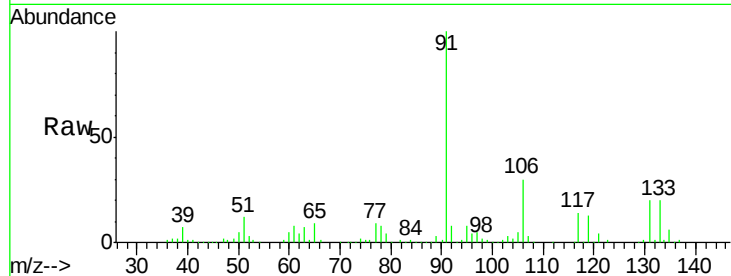
#67
Ethyl Benzene
Concen: 19.757 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0429WBS01

Tot Ion: 91 Resp: 409832
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8

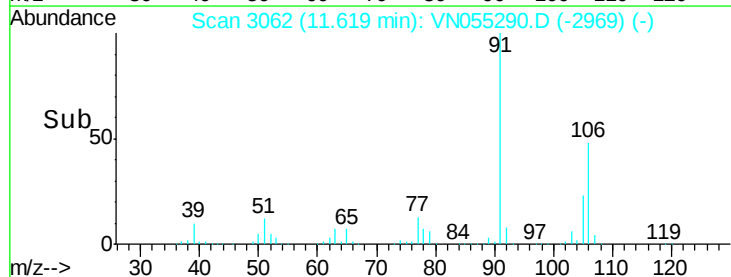
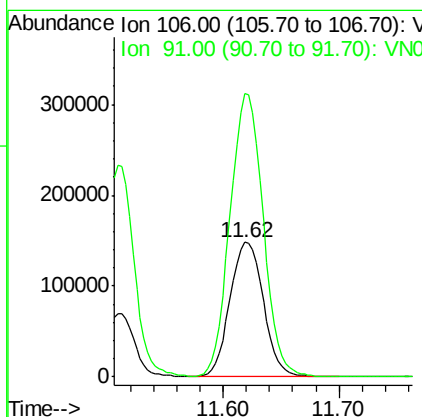
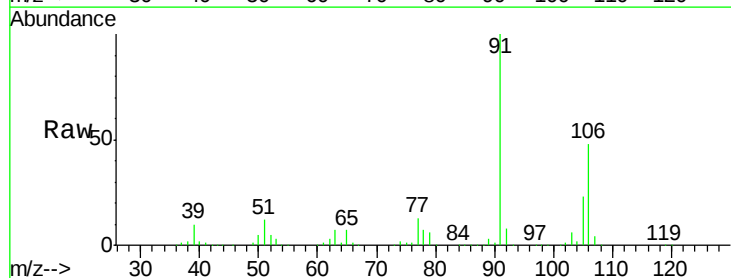
Manual Integrations
APPROVED

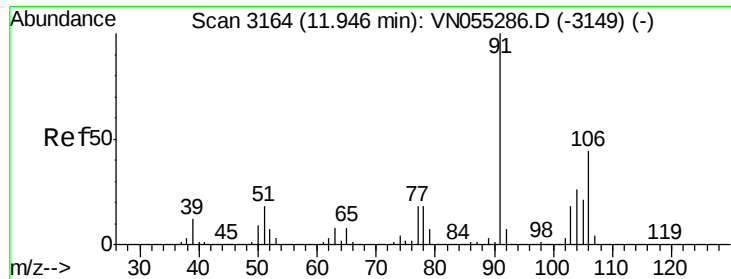
MMDadoda
4/30/2019 11:59:17 AM



#68
m/p-Xylenes
Concen: 40.287 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion: 106 Resp: 298292
Ion Ratio Lower Upper
106 100
91 208.4 169.5 254.3





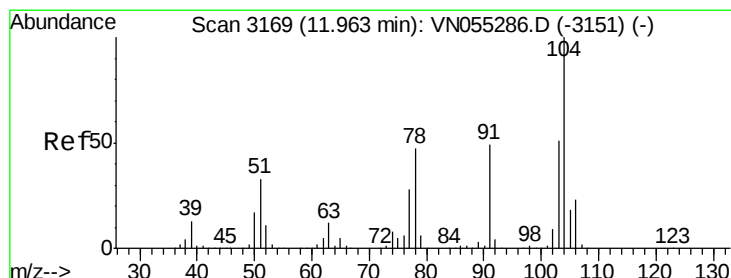
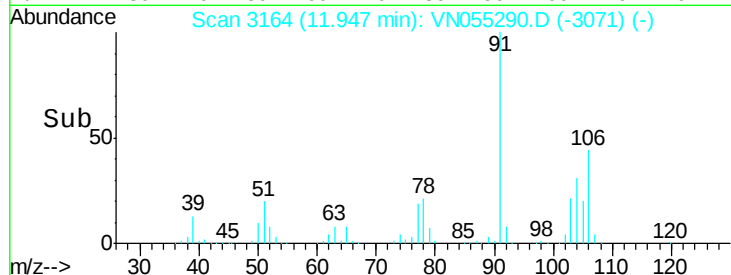
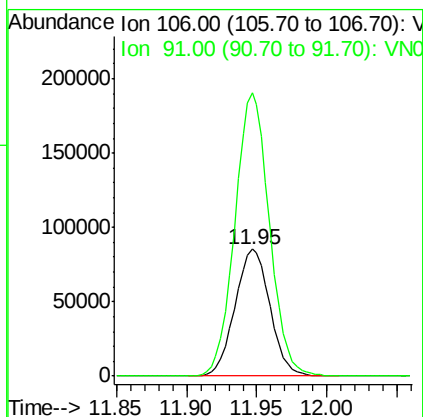
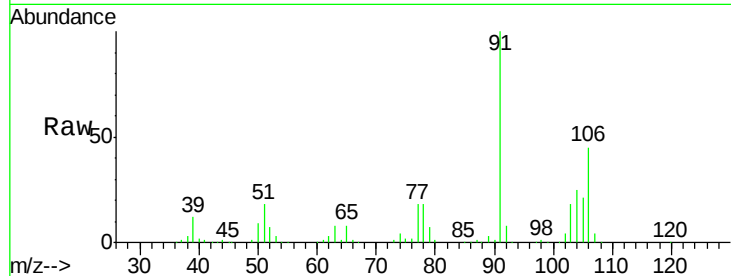
#69
o-Xylene
Concen: 20.181 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion:106 Resp: 148105
Ion Ratio Lower Upper
106 100
91 220.2 111.5 334.5

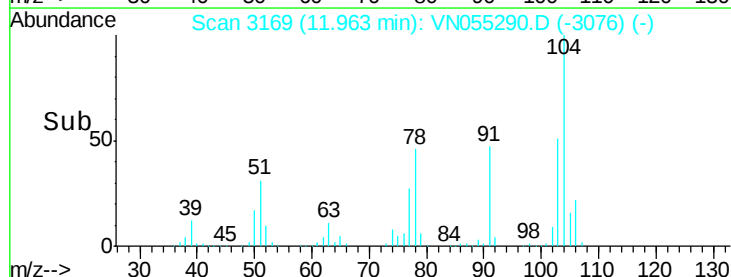
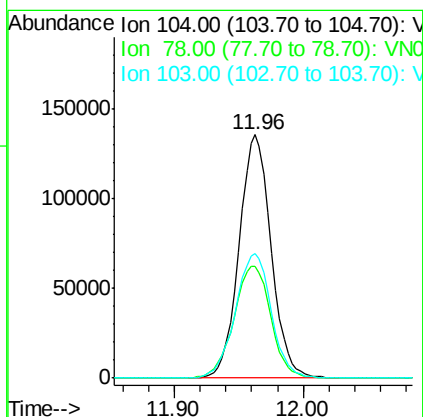
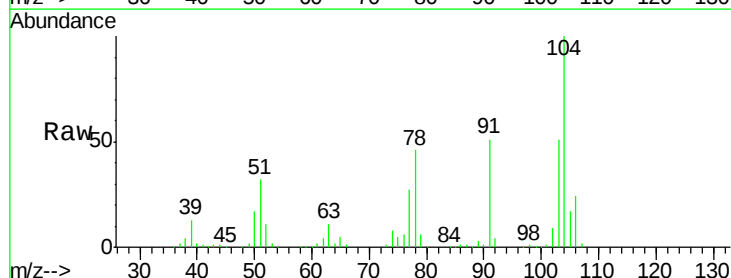
Manual Integrations
APPROVED

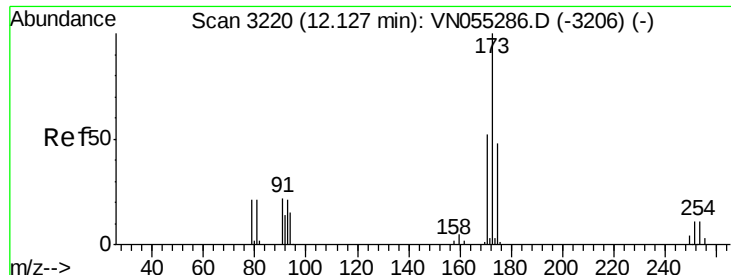
MMDadoda
4/30/2019 11:59:17 AM



#70
Styrene
Concen: 20.782 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion:104 Resp: 234173
Ion Ratio Lower Upper
104 100
78 53.1 42.2 63.2
103 57.3 44.6 67.0





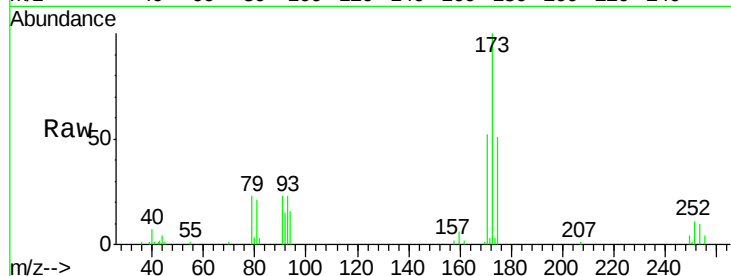
#71
Bromoform
Concen: 19.817 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

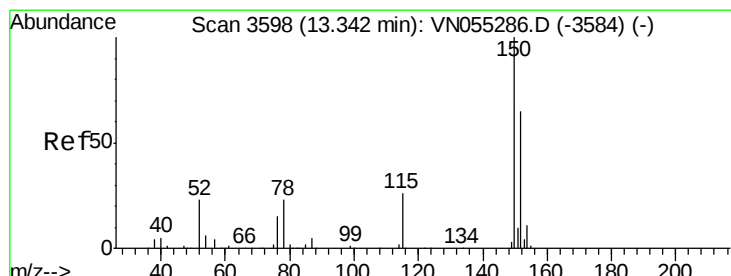
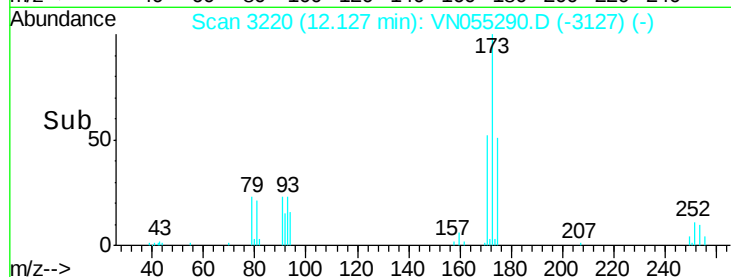
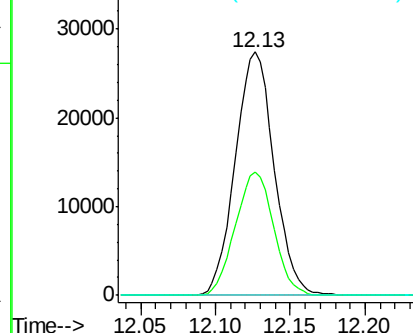
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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4/30/2019 11:59:17 AM

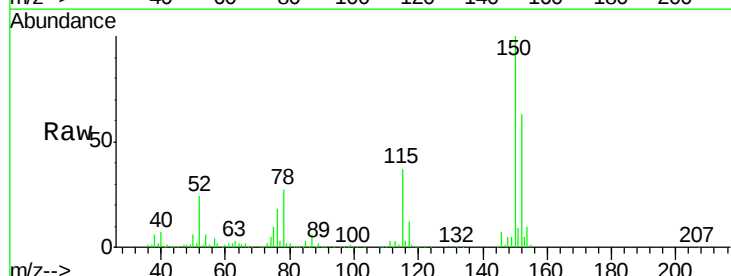


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

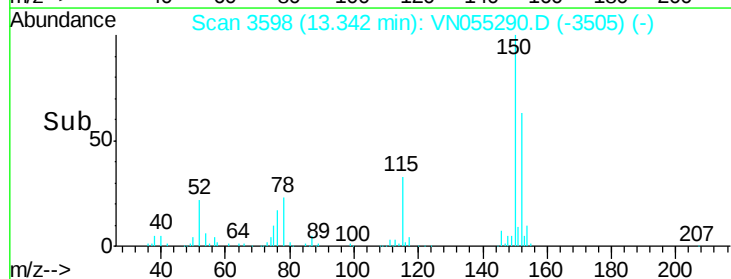
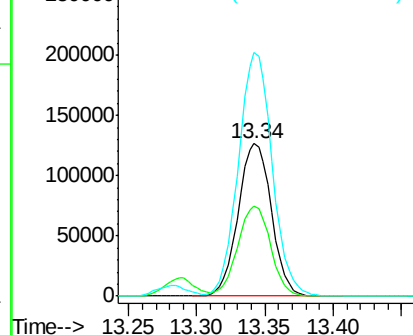


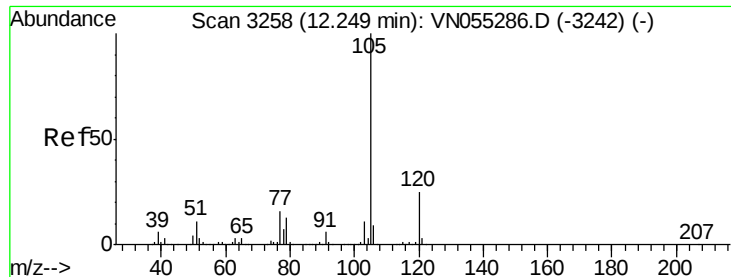
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.0	87.0
150	162.5	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





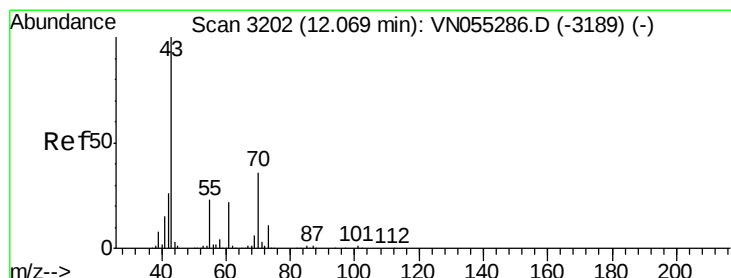
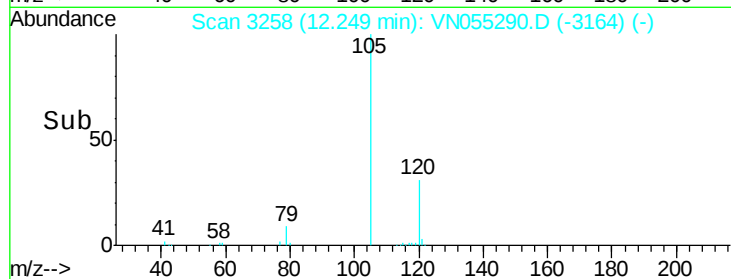
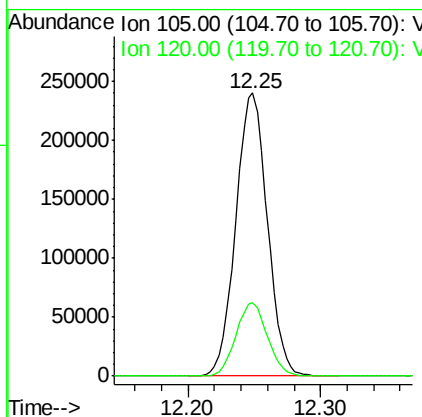
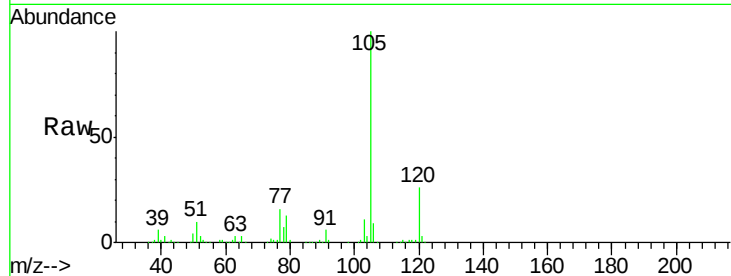
#73
Isopropylbenzene
Concen: 21.509 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampled :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

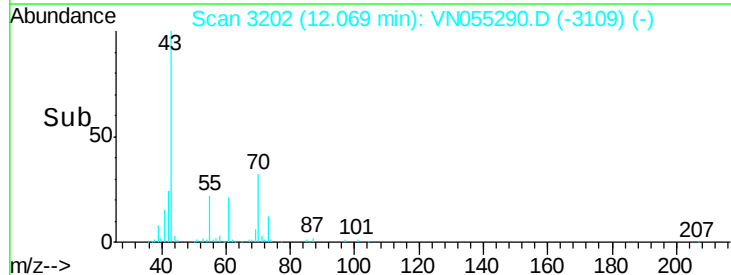
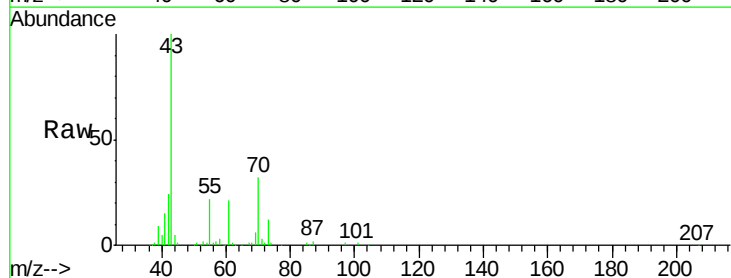
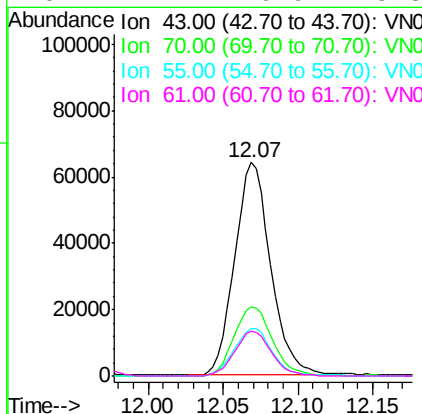
Manual Integrations
APPROVED

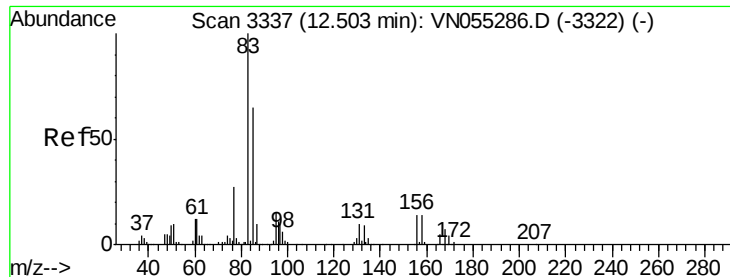
MMDadoda
4/30/2019 11:59:17 AM



#74
N-ethyl acetate
Concen: 19.586 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.7	27.9	41.9
55	23.4	18.2	27.2
61	21.4	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.814 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

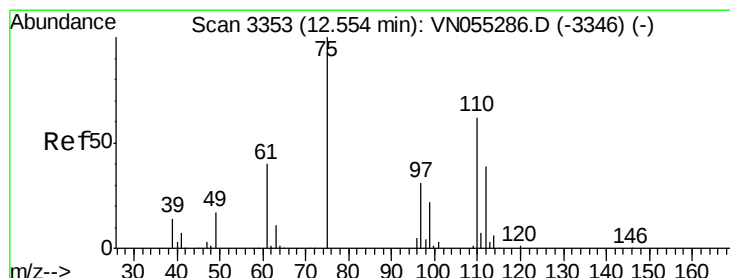
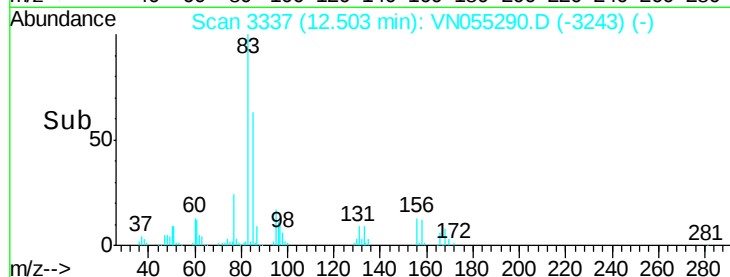
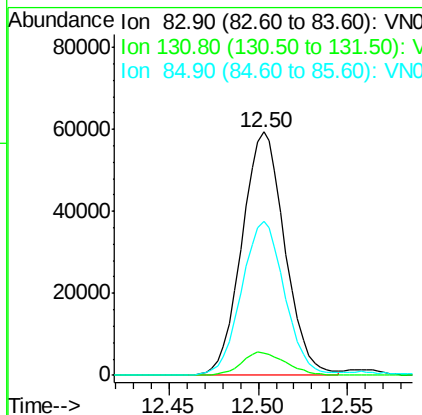
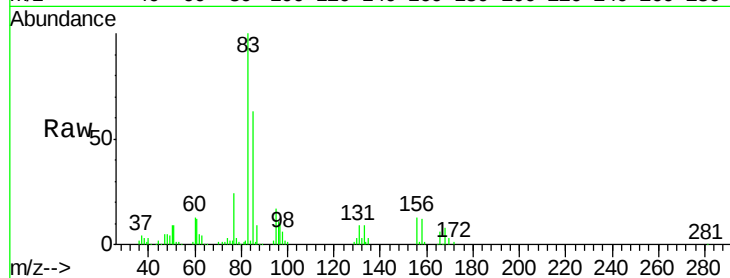
ClientSampleId :

VN0429WBS01

Tot Ion:	83	Resp:	100001
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.2
85	63.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.762 ug/l m

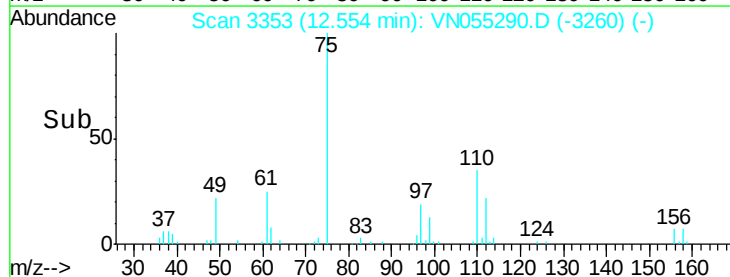
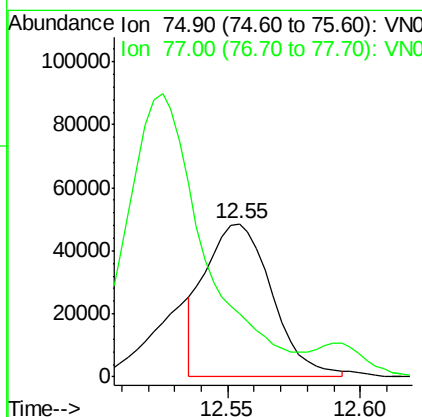
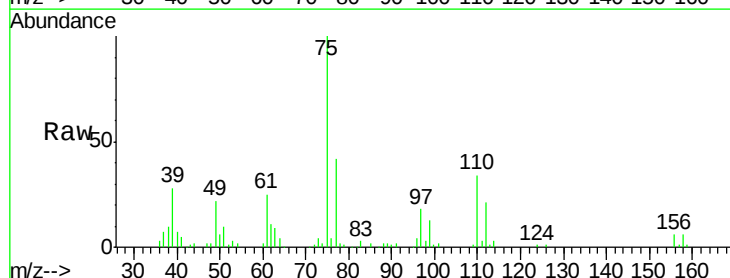
RT: 12.55 min Scan# 3353

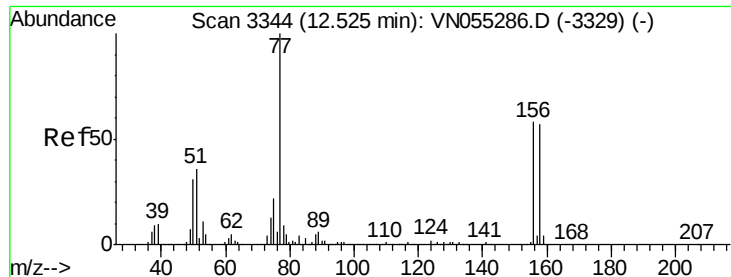
Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Tgt Ion:	75	Resp:	84583
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.354 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

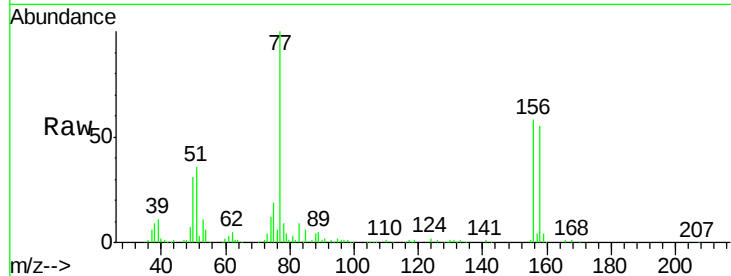
ClientSampled :

VN0429WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	199.0	99.6	298.8	
158	94.2	49.3	147.8	

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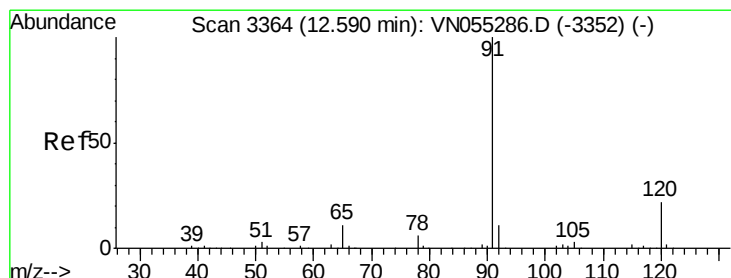
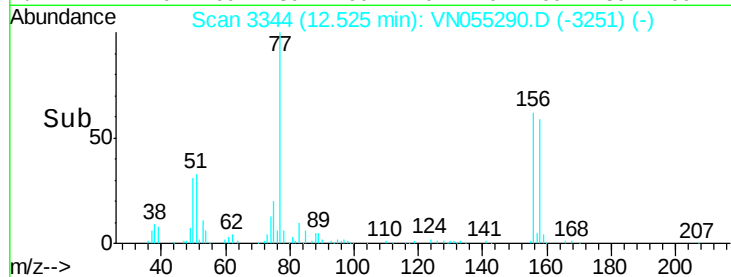
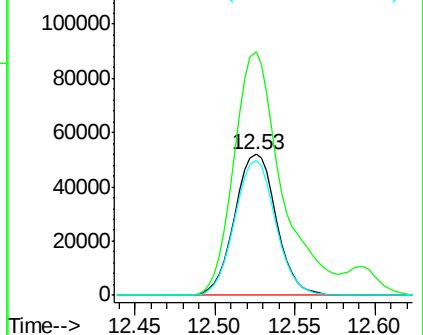
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.183 ug/l

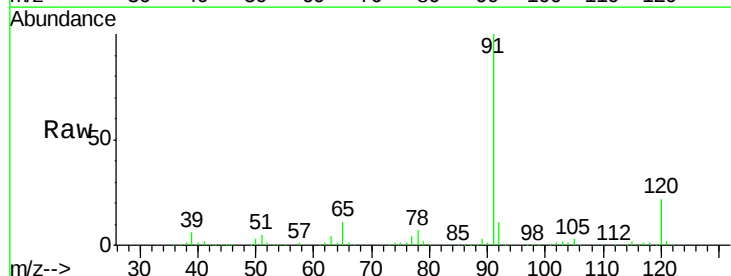
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055290.D

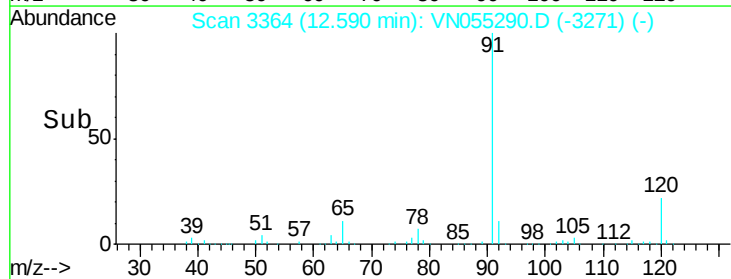
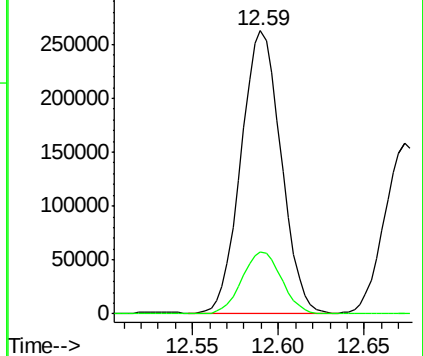
Acq: 29 Apr 2019 13:47

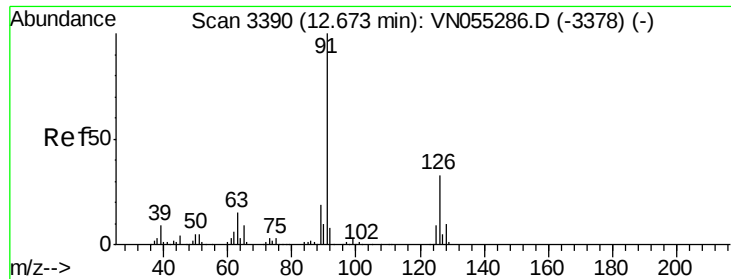
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	11.0	33.0	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.127 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBS01

Tot Ion: 91 Resp: 262609

Ion Ratio Lower Upper

91 100

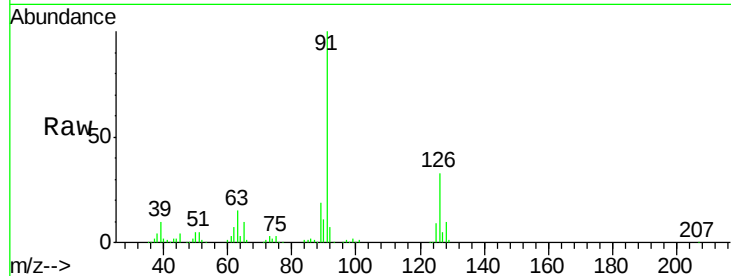
126 34.3 16.6 49.7

Manual Integrations

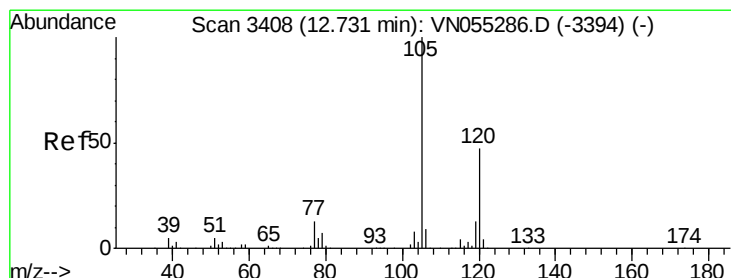
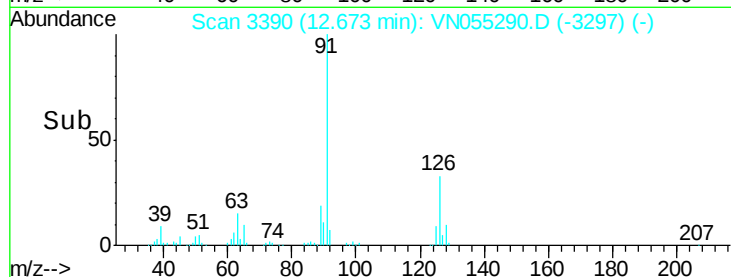
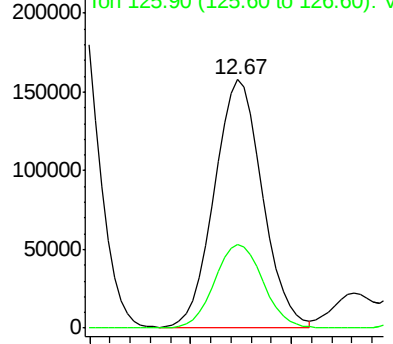
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Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.095 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055290.D

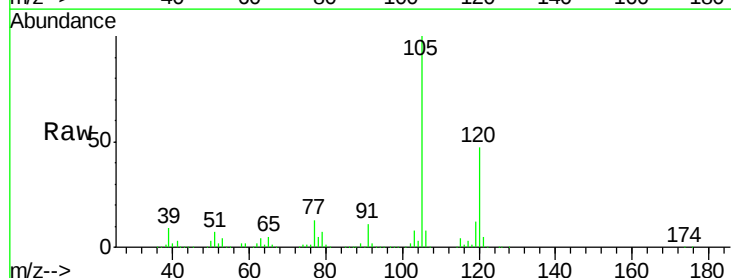
Acq: 29 Apr 2019 13:47

Tgt Ion: 105 Resp: 320052

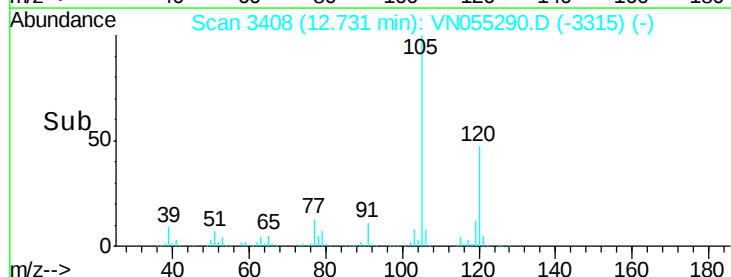
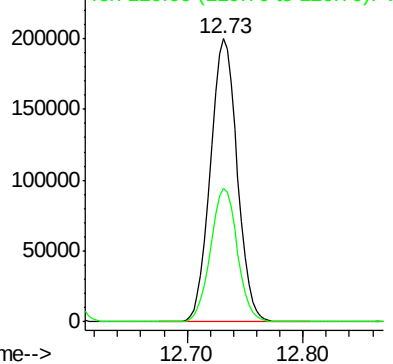
Ion Ratio Lower Upper

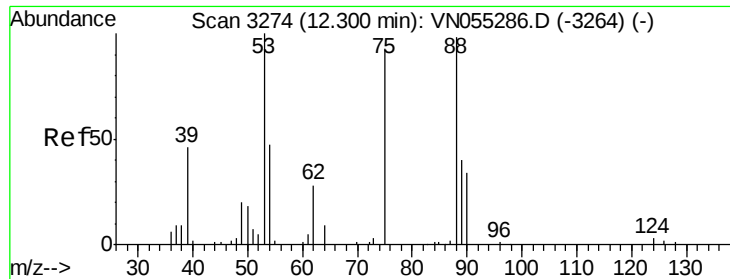
105 100

120 47.1 23.4 70.0



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





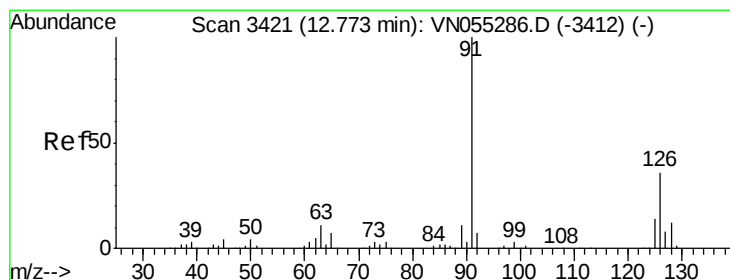
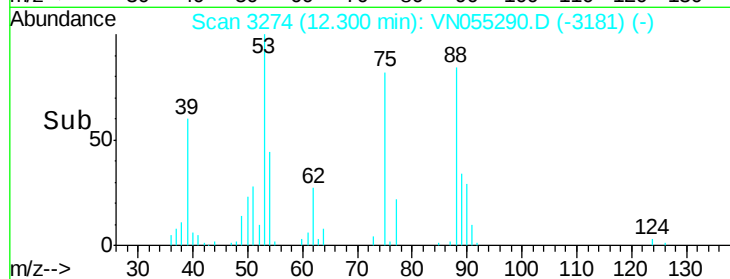
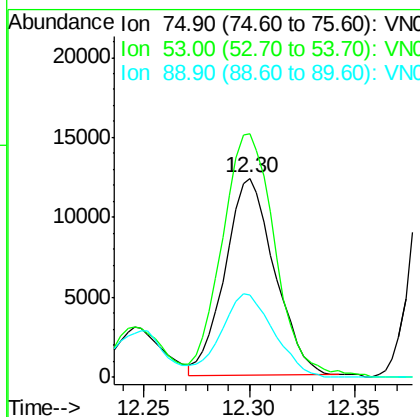
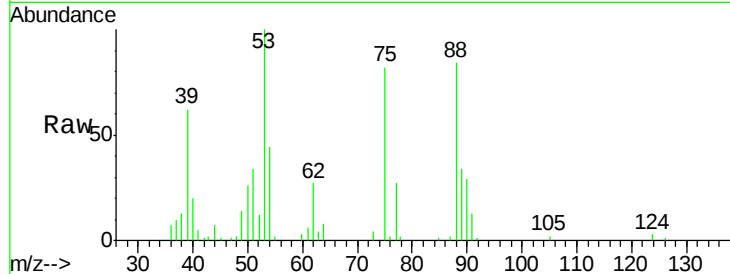
#81
trans-1,4-Dichloro-2-butene
Concen: 17.899 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion: 75 Resp: 20193
Ion Ratio Lower Upper
75 100
53 132.9 86.3 129.5#
89 45.1 34.6 51.8

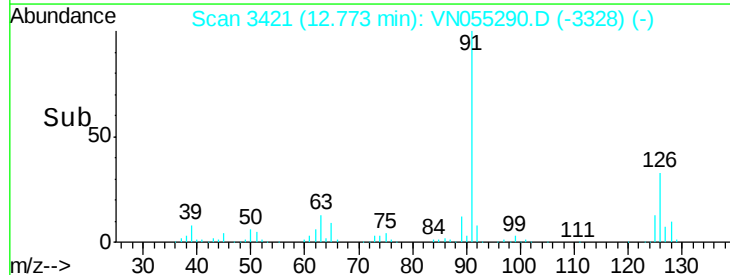
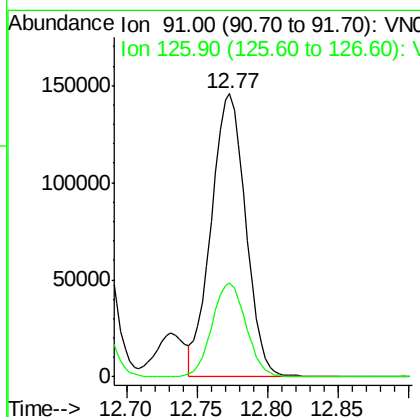
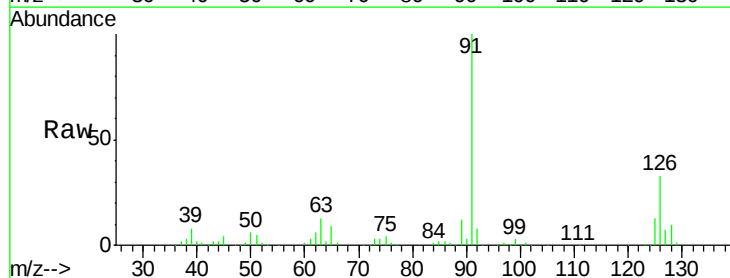
Manual Integrations
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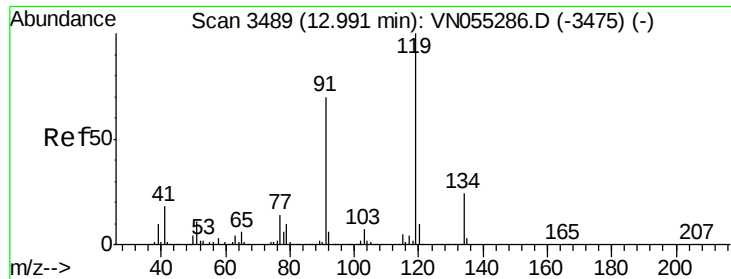
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#82
4-Chlorotoluene
Concen: 19.275 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion: 91 Resp: 246130
Ion Ratio Lower Upper
91 100
126 32.8 16.6 49.7





#83

tert-Butylbenzene

Concen: 21.738 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

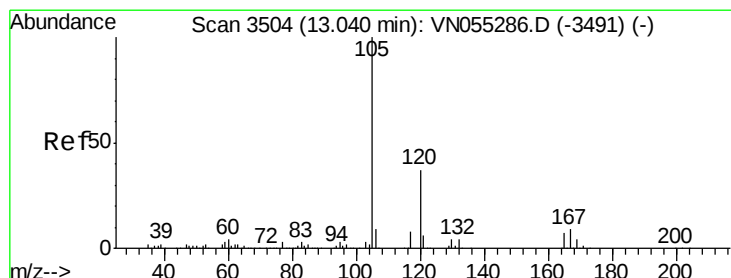
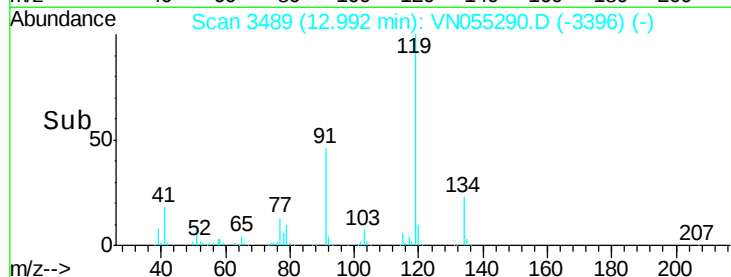
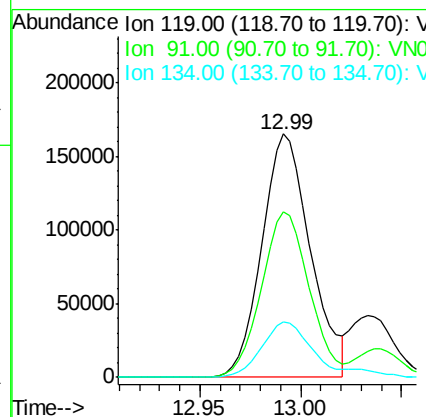
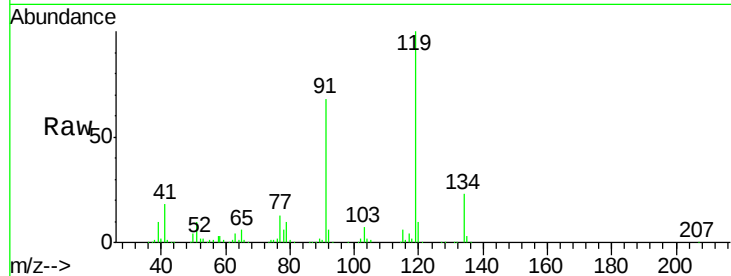
ClientSampleId :

VN0429WBS01

Tot Ion:	119	Resp:	277409
Ion Ratio	Lower	Upper	
119	100		
91	66.8	34.3	102.9
134	25.3	13.1	39.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.131 ug/l

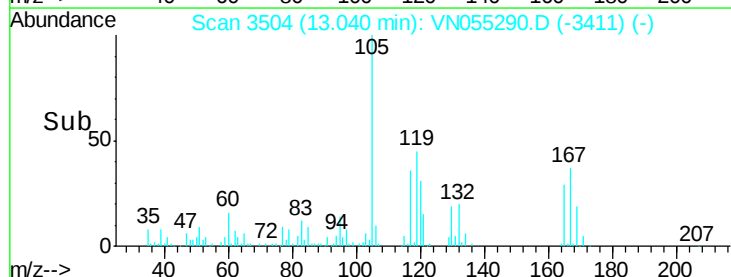
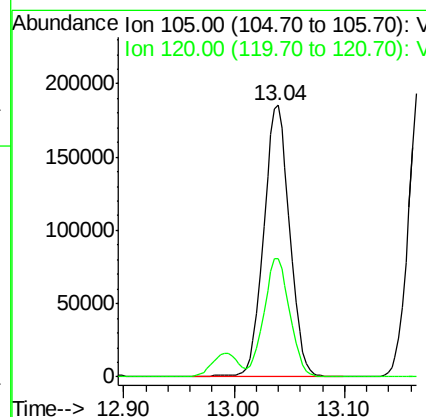
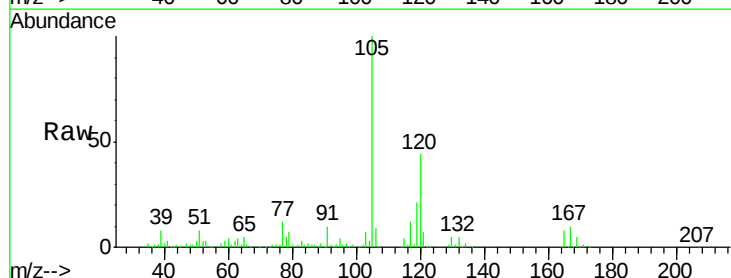
RT: 13.04 min Scan# 3504

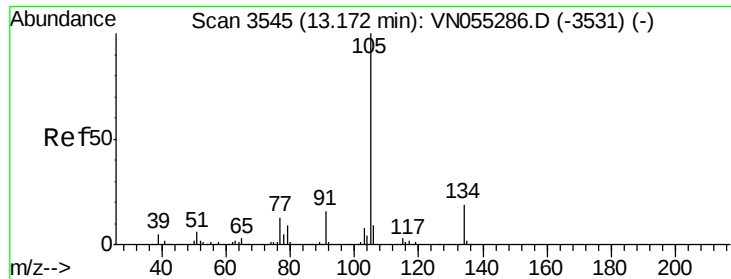
Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Tgt Ion:	105	Resp:	301775
Ion Ratio	Lower	Upper	
105	100		
120	43.5	22.1	66.5





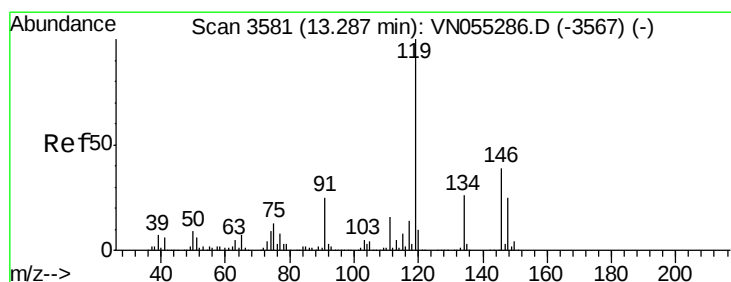
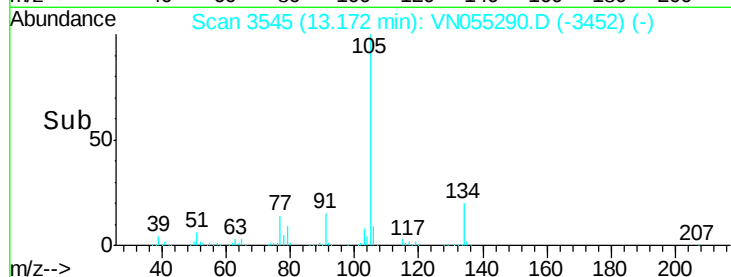
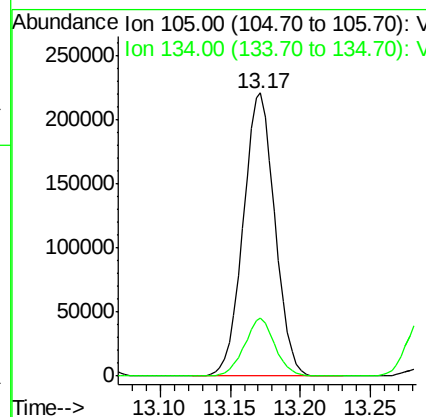
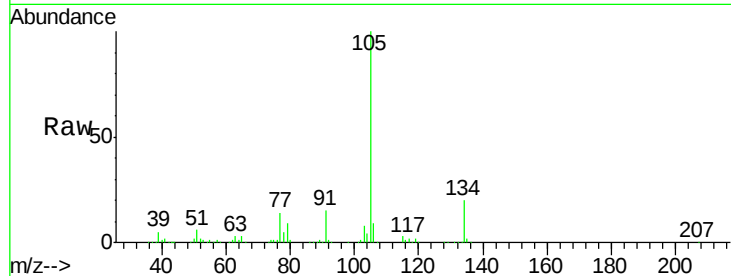
#85
 sec-Butylbenzene
 Concen: 19.034 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.6	28.8

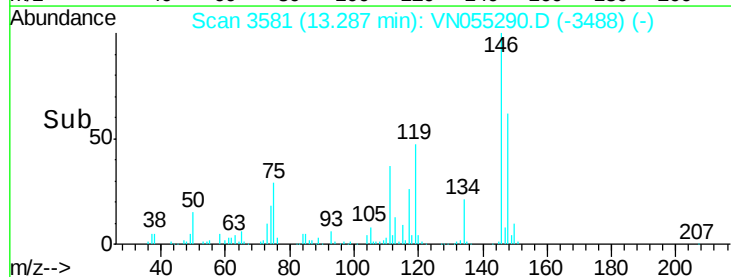
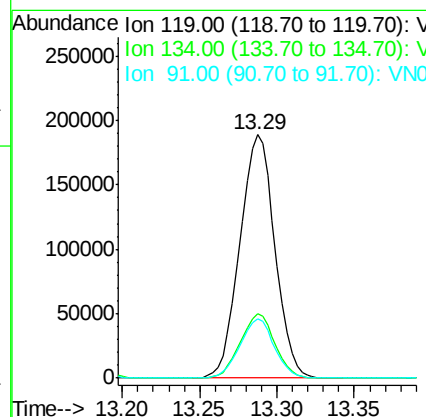
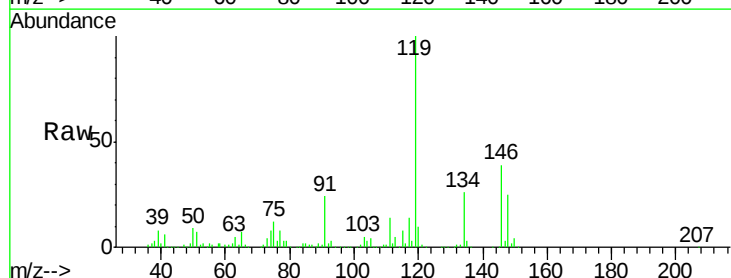
Manual Integrations
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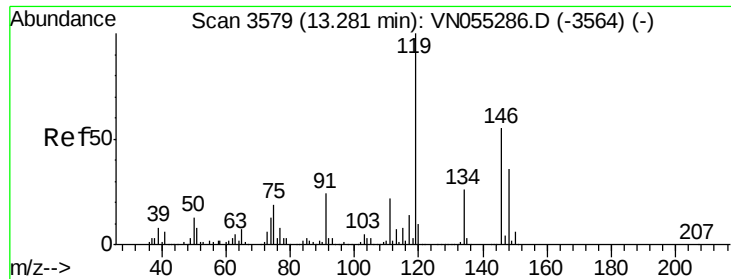
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#86
 p-Isopropyltoluene
 Concen: 19.709 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	23.8	12.2	36.6





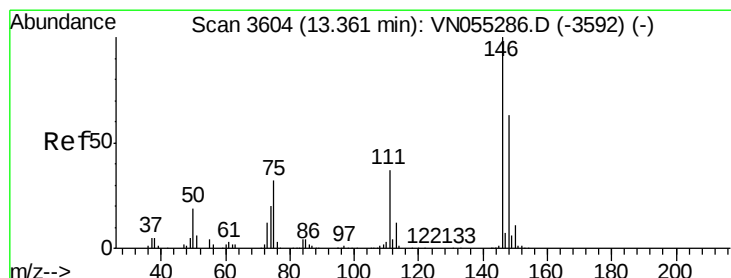
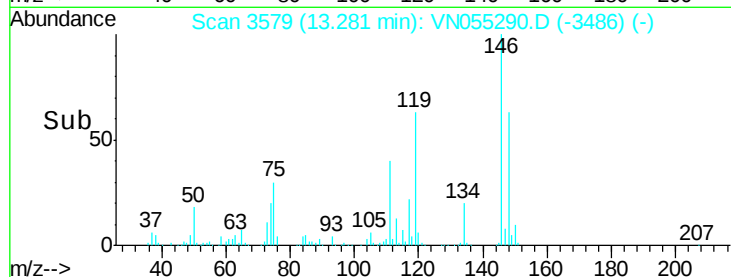
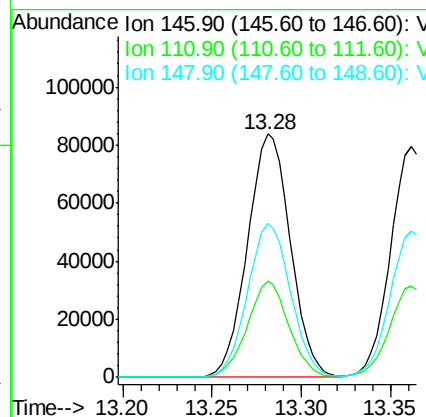
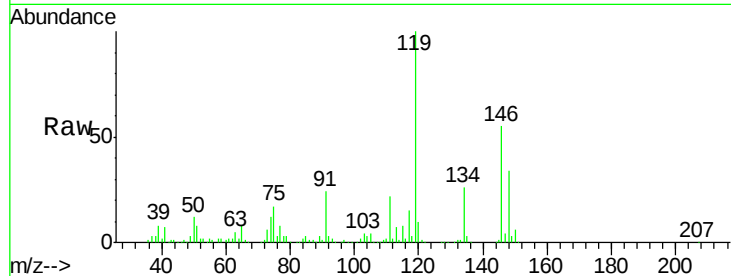
#87
 1,3-Dichlorobenzene
 Concen: 19.698 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.3	60.8
148	63.4	32.5	97.5

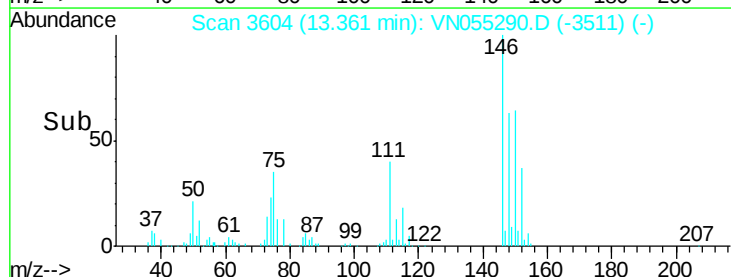
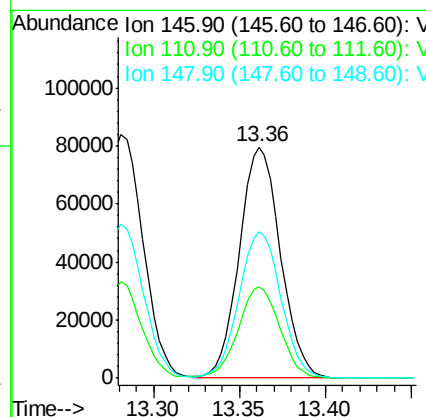
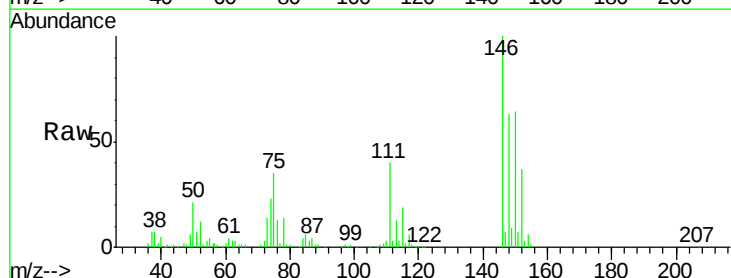
Manual Integrations
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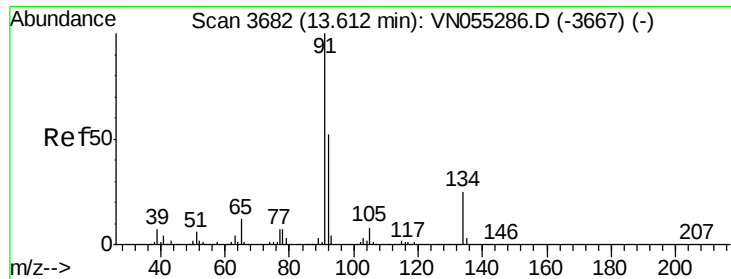
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 4/30/2019 11:59:17 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.608 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.5	58.5
148	64.2	32.5	97.4





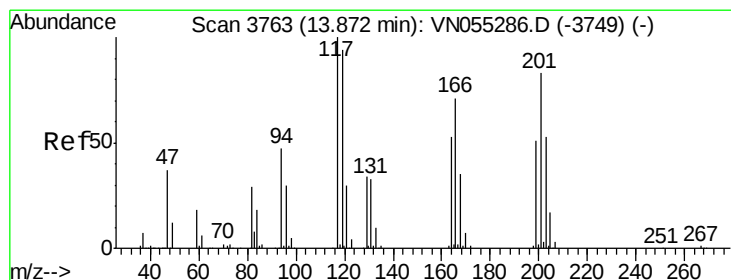
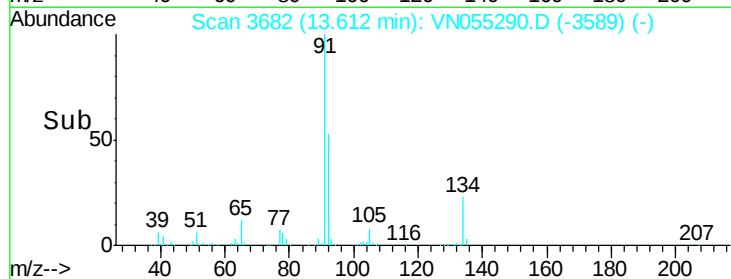
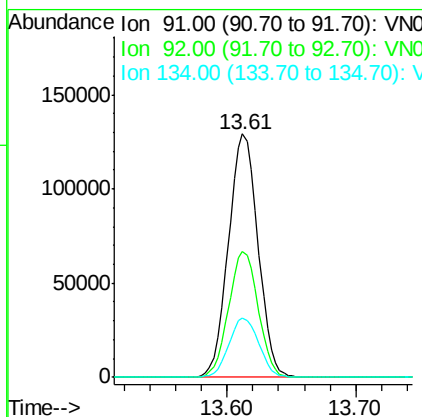
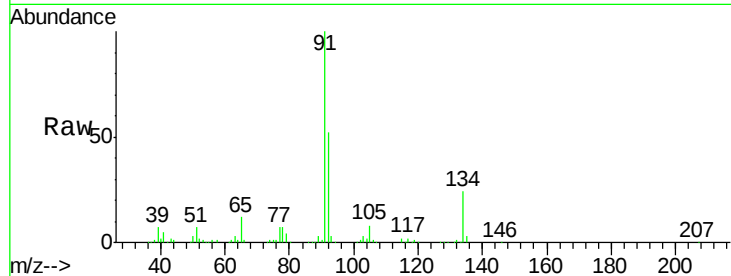
#89
n-Butylbenzene
Concen: 19.335 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.3
134	24.6	12.4	37.4

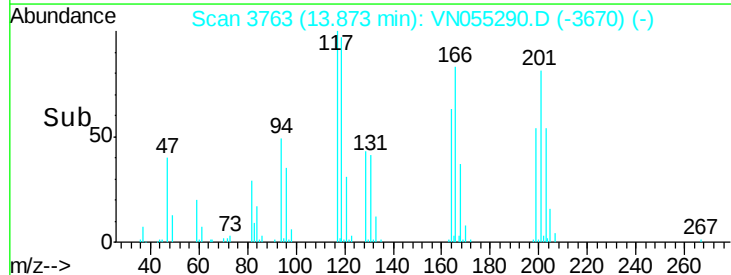
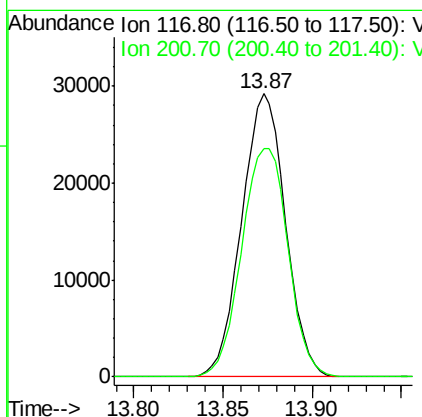
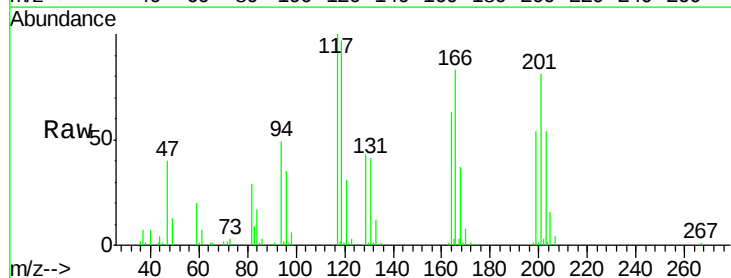
Manual Integrations
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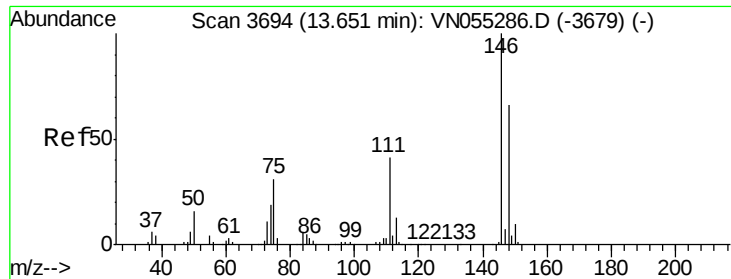
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#90
Hexachloroethane
Concen: 20.138 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055290.D
Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	41.9	125.8





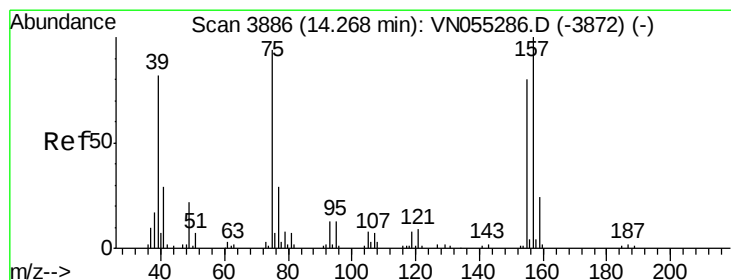
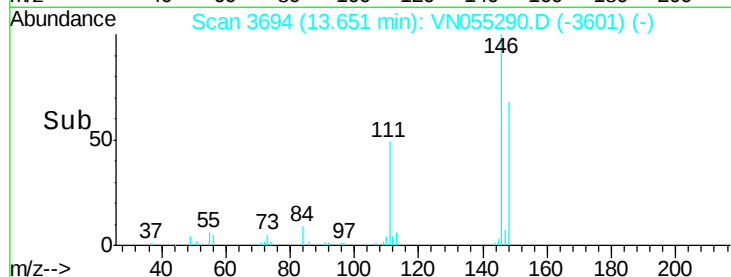
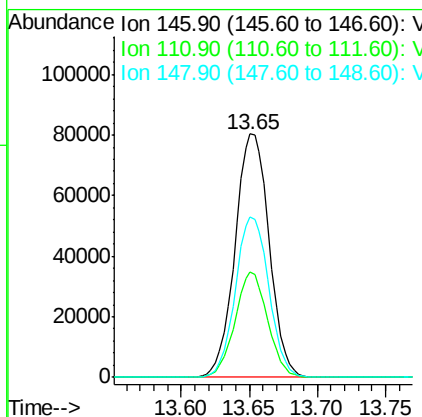
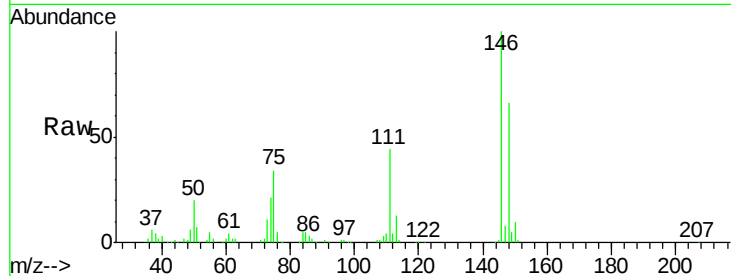
#91
 1,2-Dichlorobenzene
 Concen: 19.647 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	61.0
148	64.6	32.4	97.2

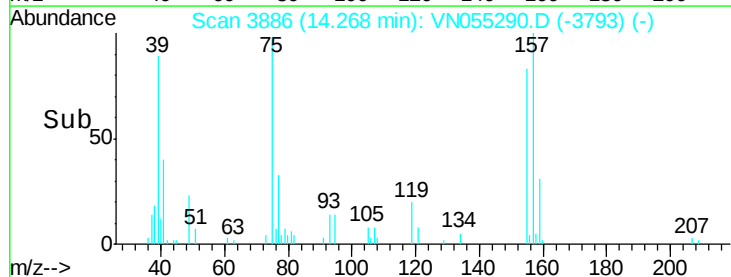
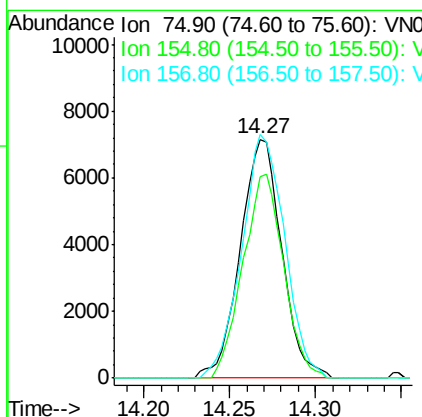
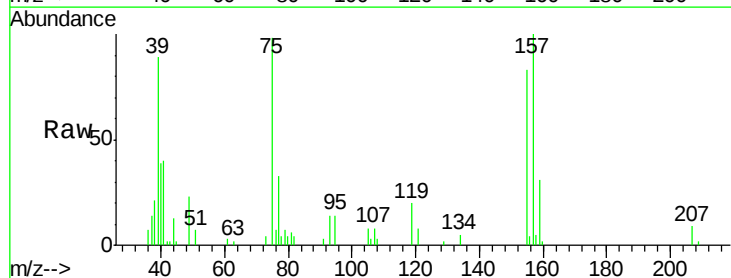
Manual Integrations
 APPROVED

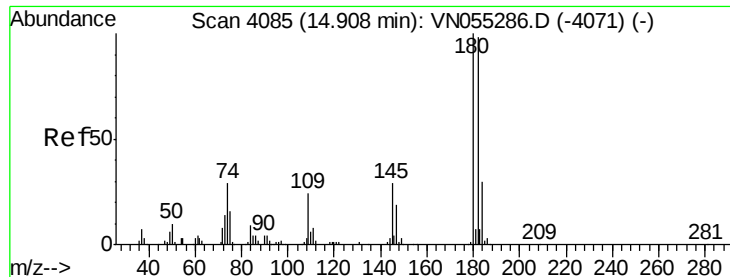
MMDadoda
 4/30/2019 11:59:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.317 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	41.5	124.6
157	105.8	54.0	162.2





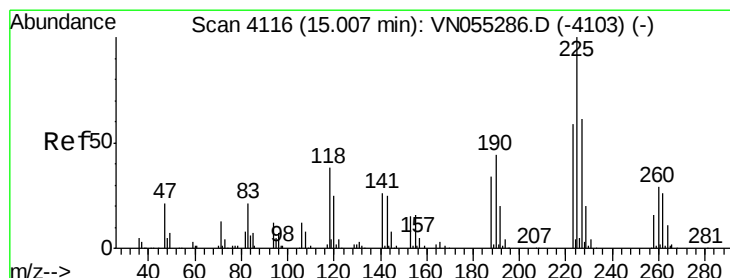
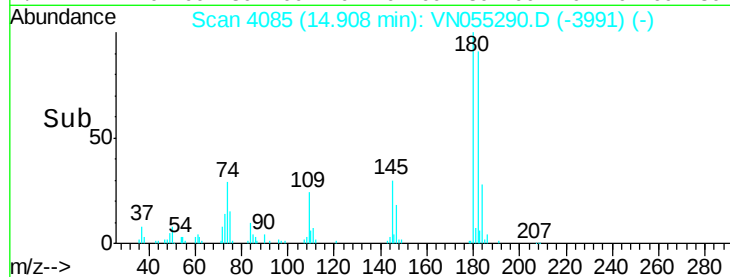
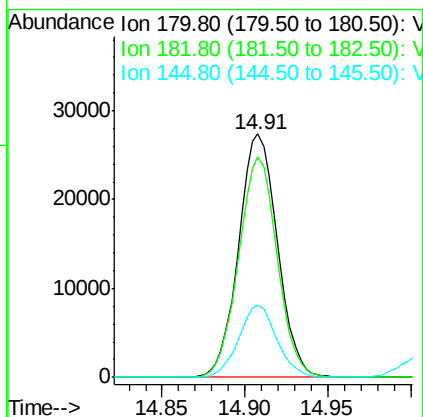
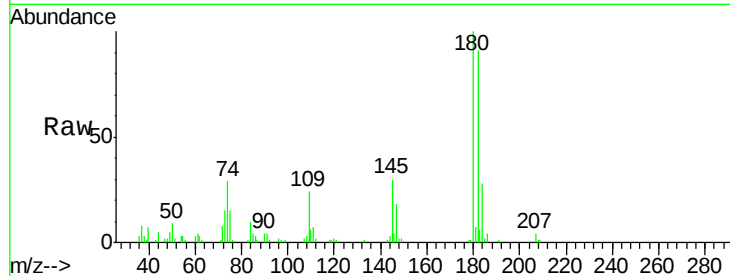
#93
 1,2,4-Trichlorobenzene
 Concen: 18.196 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.0	48.3	144.9
145	28.9	14.2	42.6

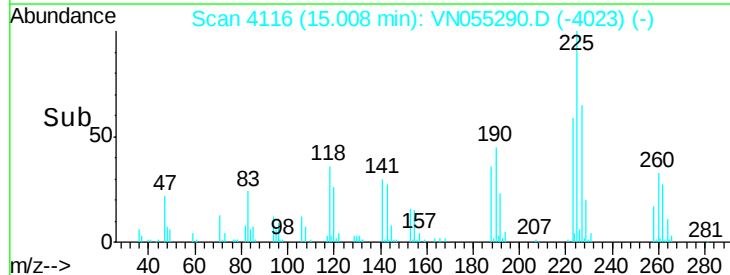
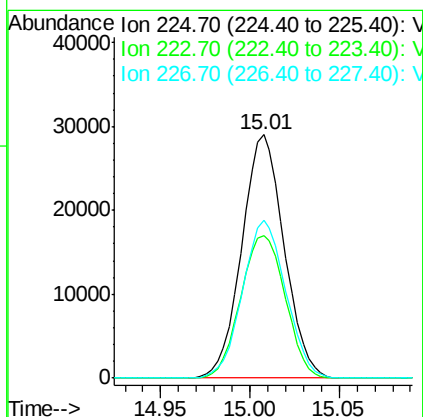
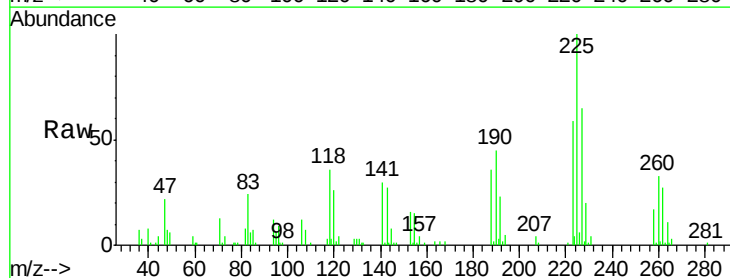
Manual Integrations
 APPROVED

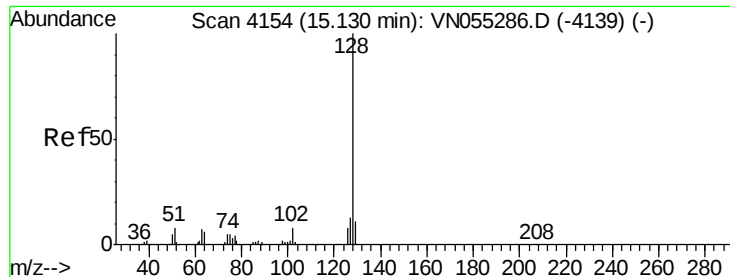
MMDadoda
 4/30/2019 11:59:17 AM



#94
 Hexachlorobutadiene
 Concen: 20.900 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055290.D
 Acq: 29 Apr 2019 13:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.3	90.8
227	66.2	30.9	92.7





#95

Naphthalene

Concen: 17.392 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Instrument :

MSVOA_N

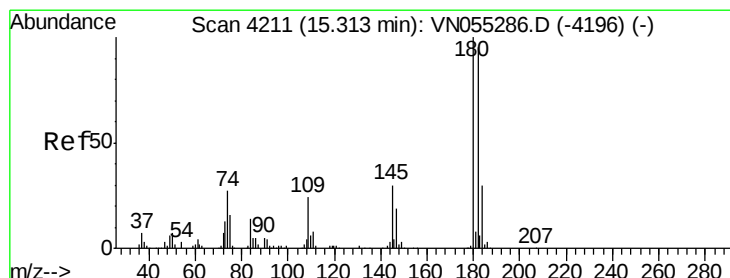
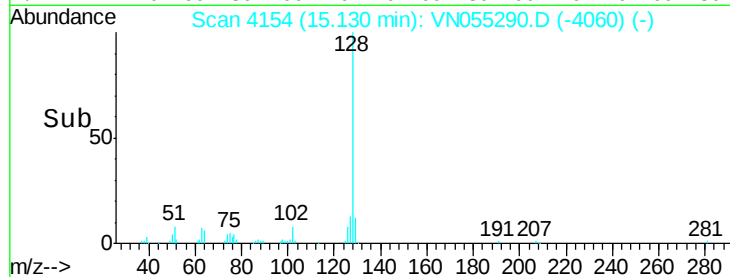
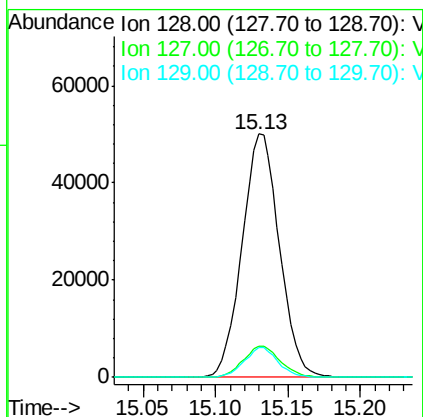
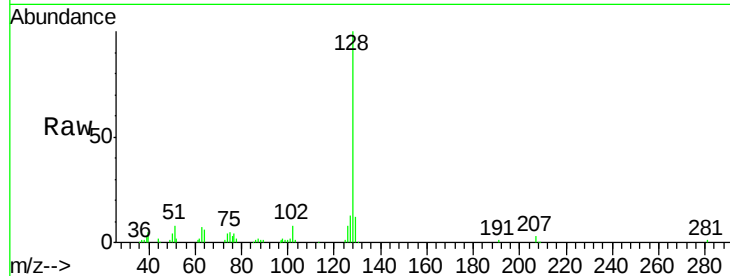
ClientSampleId :

VN0429WBS01

Tot Ion:	128	Resp:	89537
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 11:59:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.967 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055290.D

Acq: 29 Apr 2019 13:47

Tgt Ion:	180	Resp:	47506
Ion Ratio	Lower	Upper	
180	100		
182	91.5	48.3	144.9
145	30.6	15.2	45.6

