

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055294.D
 Acq On : 29 Apr 2019 15:29
 Operator : JC/SP
 Sample : VN0429WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:59:21 AM

Quant Time: Apr 30 05:06:41 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	421999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	680725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	585294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213306	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	274519	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.59	113	219865	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.09	98	797672	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	254966	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	112430	21.745	ug/l	98
3) Chloromethane	2.06	50	128930	20.138	ug/l	98
4) Vinyl Chloride	2.19	62	104021	20.156	ug/l	99
5) Bromomethane	2.56	94	54951	20.102	ug/l	98
6) Chloroethane	2.71	64	54114	19.356	ug/l	96
7) Trichlorofluoromethane	3.02	101	145064	19.768	ug/l	97
8) Diethyl Ether	3.41	74	52421	20.418	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	85890	19.655	ug/l	99
10) Methyl Iodide	3.96	142	124309	20.213	ug/l	99
11) Tert butyl alcohol	4.78	59	35819m	113.324	ug/l	
12) 1,1-Dichloroethene	3.74	96	83374	20.000	ug/l	97
13) Acrolein	3.61	56	27216	110.256	ug/l	96
14) Allyl chloride	4.33	41	167670	19.420	ug/l	99
15) Acrylonitrile	4.99	53	185886	104.629	ug/l	100
16) Acetone	3.82	43	154068	89.565	ug/l	99
17) Carbon Disulfide	4.06	76	212721	19.553	ug/l	100
18) Methyl Acetate	4.33	43	93995	21.848	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	243217	20.754	ug/l	99
20) Methylene Chloride	4.55	84	103938	19.796	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	86864	19.675	ug/l	96
22) Diisopropyl ether	5.95	45	353853	20.628	ug/l	96
23) Vinyl Acetate	5.90	43	1204231	107.110	ug/l	100
24) 1,1-Dichloroethane	5.85	63	183036	20.026	ug/l	99
25) 2-Butanone	6.84	43	228591	103.910	ug/l	99
26) 2,2-Dichloropropane	6.82	77	118486	18.773	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	102134	20.343	ug/l	99
28) Bromochloromethane	7.20	49	86473	18.769	ug/l	100
29) Tetrahydrofuran	7.22	42	153975	109.307	ug/l	99
30) Chloroform	7.37	83	171275	19.768	ug/l	100
31) Cyclohexane	7.65	56	171273	19.723	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	137768	19.592	ug/l	100
36) 1,1-Dichloropropene	7.80	75	123814	18.989	ug/l	100
37) Ethyl Acetate	6.94	43	102795	20.570	ug/l	97
38) Carbon Tetrachloride	7.78	117	116752	18.562	ug/l	98

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

39) Methylcyclohexane	9.08	83	133271	19.224	ug/l	96
40) Benzene	8.04	78	378015	19.666	ug/l	100
41) Methacrylonitrile	7.18	41	57316	21.618	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	136880	20.106	ug/l	100
43) Isopropyl Acetate	8.16	43	175923	21.906	ug/l #	88
44) Trichloroethene	8.83	130	94183	19.221	ug/l	97
45) 1,2-Dichloropropane	9.12	63	109591	19.768	ug/l	98
46) Dibromomethane	9.21	93	60712	20.035	ug/l	99
47) Bromodichloromethane	9.40	83	127968	19.685	ug/l	99
48) Methyl methacrylate	9.20	41	84344	21.364	ug/l	96
49) 1,4-Dioxane	9.20	88	18785	460.284	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	487309	107.776	ug/l	99
52) Toluene	10.16	92	225759	20.470	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	115005	20.379	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	143271	20.362	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	84035	20.519	ug/l	99
56) Ethyl methacrylate	10.43	69	109474	21.718	ug/l	97
57) 1,3-Dichloropropane	10.71	76	146480	20.388	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	140895	97.999	ug/l	99
59) 2-Hexanone	10.75	43	301945	106.730	ug/l	99
60) Dibromochloromethane	10.90	129	85890	20.520	ug/l	100
61) 1,2-Dibromoethane	11.00	107	77566	20.491	ug/l	97
64) Tetrachloroethene	10.63	164	90846	18.980	ug/l	98
65) Chlorobenzene	11.43	112	227770	19.904	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	87350	19.494	ug/l	98
67) Ethyl Benzene	11.51	91	409751	19.829	ug/l	100
68) m/p-Xylenes	11.62	106	300034	40.677	ug/l	98
69) o-Xylene	11.95	106	147060	20.115	ug/l	100
70) Styrene	11.96	104	234683	20.907	ug/l	100
71) Bromoform	12.13	173	51579	20.745	ug/l #	98
73) Isopropylbenzene	12.25	105	393715	21.388	ug/l	98
74) N-amyl acetate	12.07	43	115213	21.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	104960	23.126	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	89178m	21.034	ug/l	
77) Bromobenzene	12.53	156	93850	21.821	ug/l	98
78) n-propylbenzene	12.59	91	419834	19.161	ug/l	100
79) 2-Chlorotoluene	12.67	91	262555	21.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	315949	18.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22232	19.752	ug/l	90
82) 4-Chlorotoluene	12.77	91	245347	19.258	ug/l	100
83) tert-Butylbenzene	12.99	119	271796	21.291	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	299318	20.014	ug/l	98
85) sec-Butylbenzene	13.17	105	350795	19.300	ug/l	99
86) p-Isopropyltoluene	13.29	119	293011	19.614	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	142242	19.928	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	132231	19.672	ug/l	98
89) n-Butylbenzene	13.61	91	206438	19.447	ug/l	99
90) Hexachloroethane	13.87	117	48512	19.550	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	139987	19.788	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13802	24.595	ug/l	88

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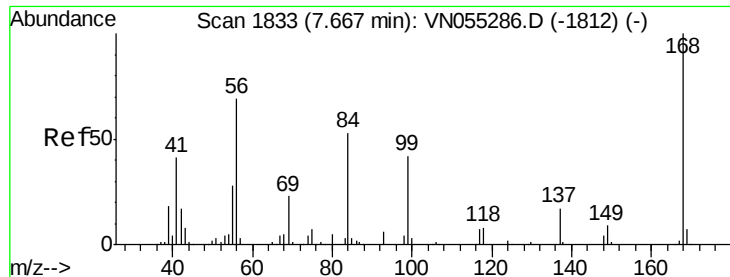
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44370	18.166	ug/l	98
94) Hexachlorobutadiene	15.01	225	47557	20.700	ug/l	95
95) Naphthalene	15.13	128	95769	18.406	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	48599	19.382	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

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Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

Tot Ion:168 Resp: 421999

Ion Ratio Lower Upper

168 100

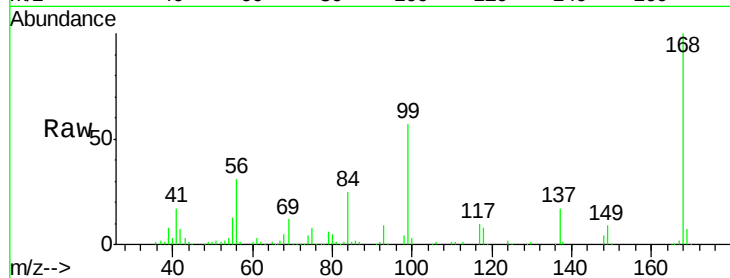
99 57.0 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

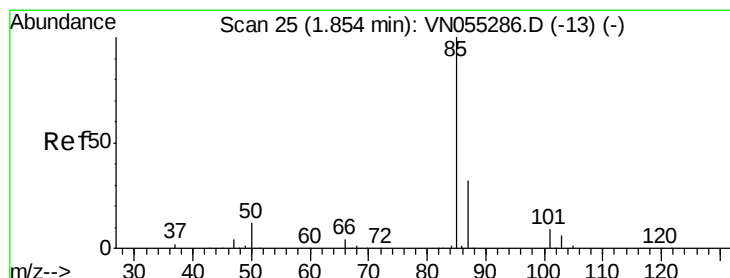
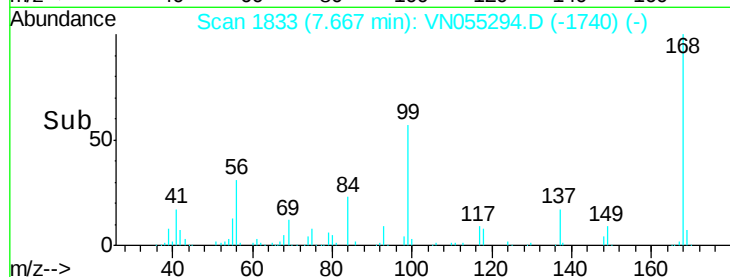
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.745 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055294.D

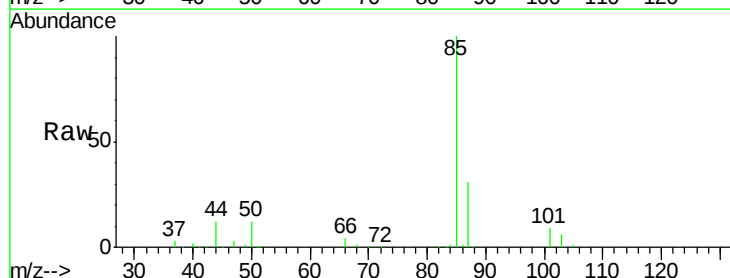
Acq: 29 Apr 2019 15:29

Tgt Ion: 85 Resp: 112430

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

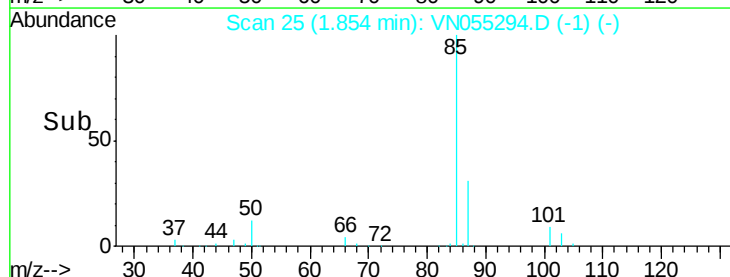
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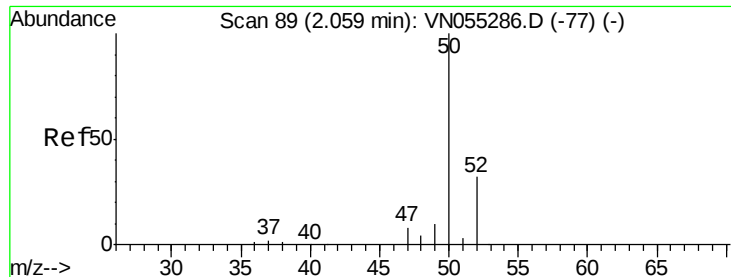
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 20.138 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

Tot Ion: 50 Resp: 128930

Ion Ratio Lower Upper

50 100

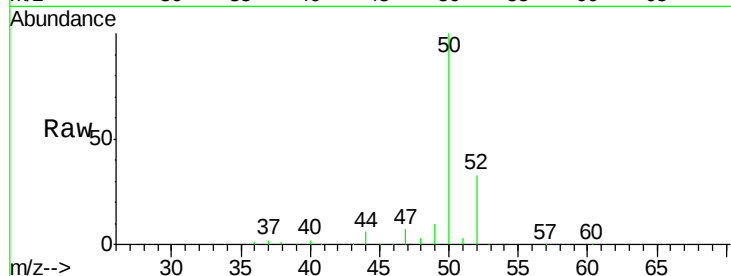
52 33.0 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

80000

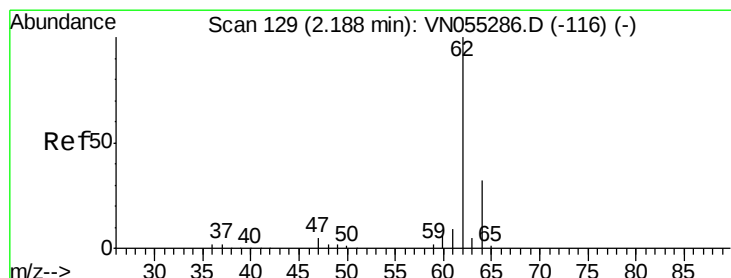
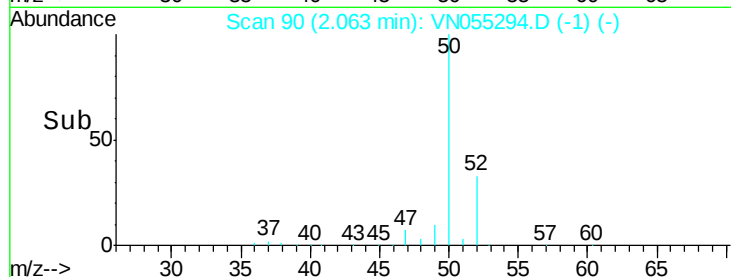
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.156 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055294.D

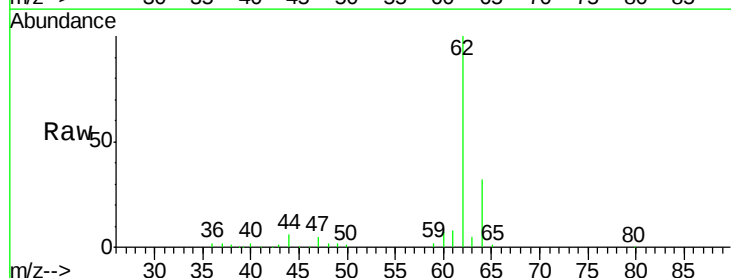
Acq: 29 Apr 2019 15:29

Tgt Ion: 62 Resp: 104021

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

80000

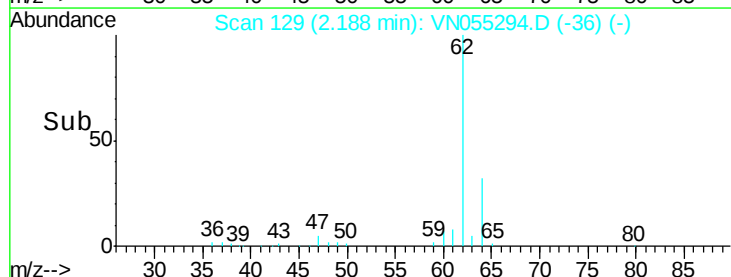
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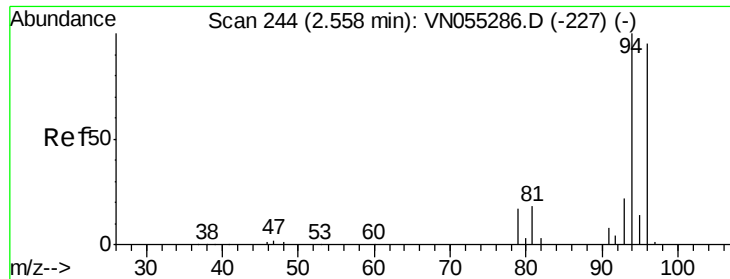
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.102 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

Tot Ion: 94 Resp: 54951

Ion Ratio Lower Upper

94 100

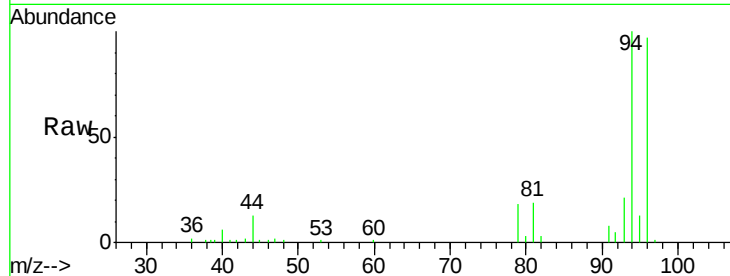
96 97.3 76.0 114.0

Manual Integrations

APPROVED

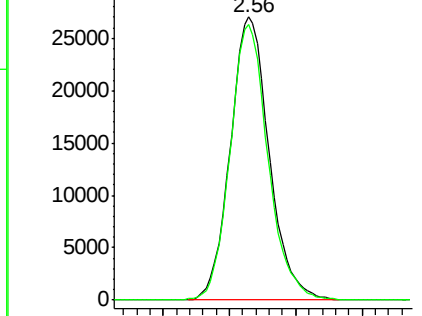
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4/30/2019 11:59:21 AM

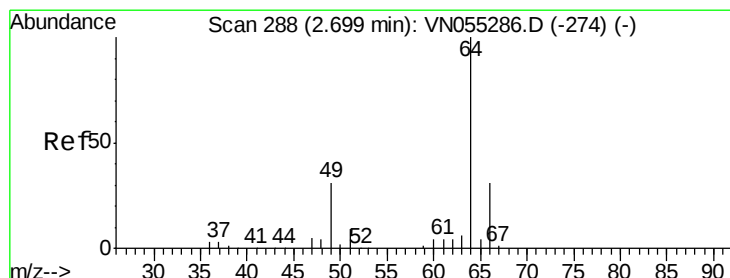
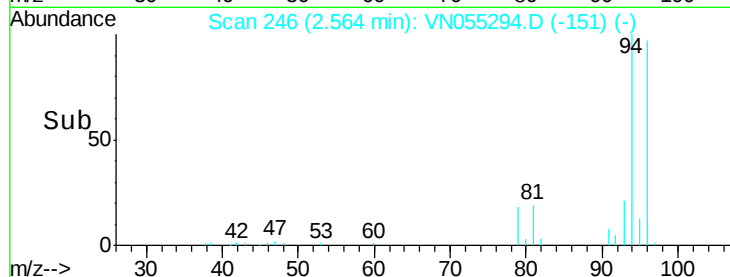


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 19.356 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055294.D

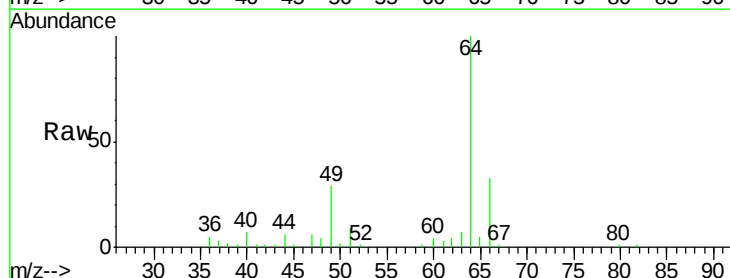
Acq: 29 Apr 2019 15:29

Tgt Ion: 64 Resp: 54114

Ion Ratio Lower Upper

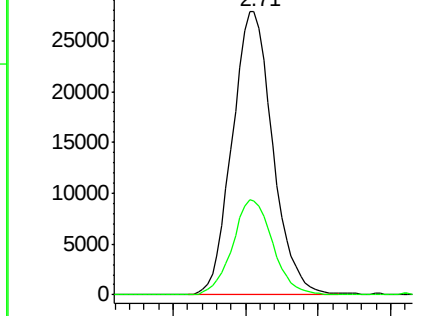
64 100

66 33.4 25.0 37.4

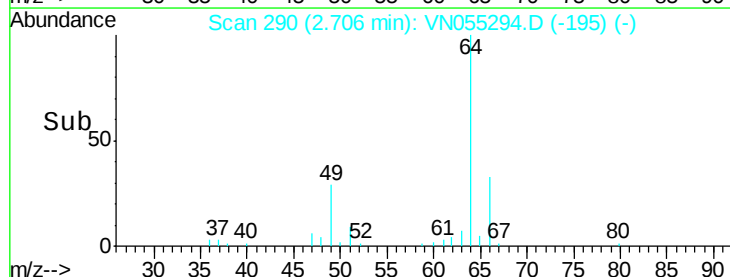


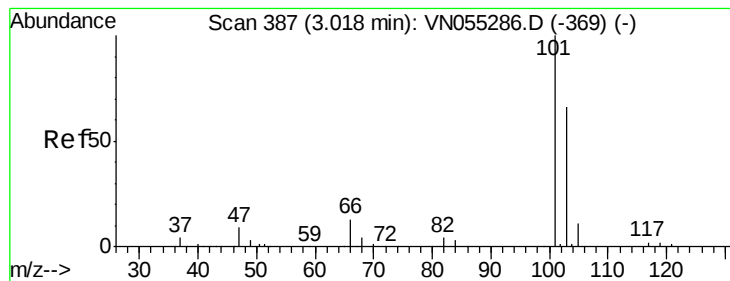
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

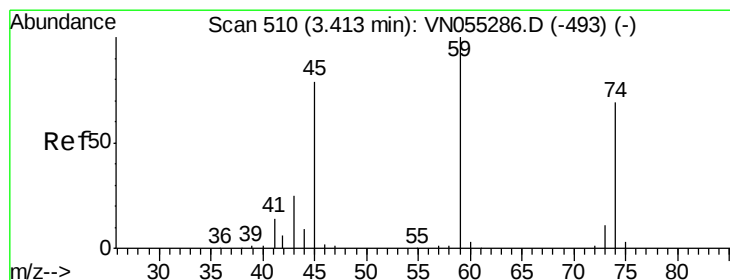
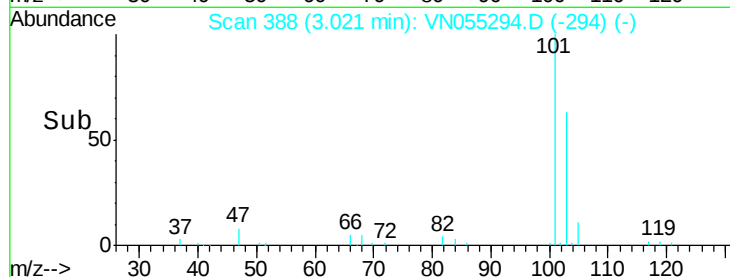
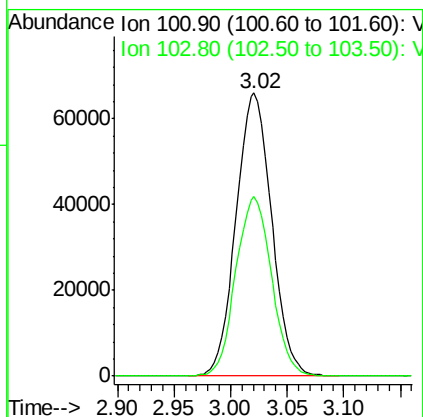
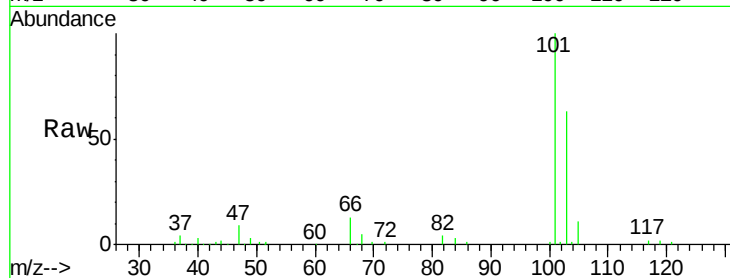
Trichlorofluoromethane
 Concen: 19.768 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0429WBSD01

Tot Ion:101 Resp: 145064
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.6 79.0

Manual Integrations
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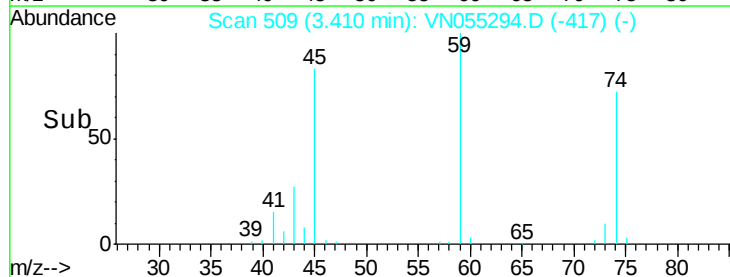
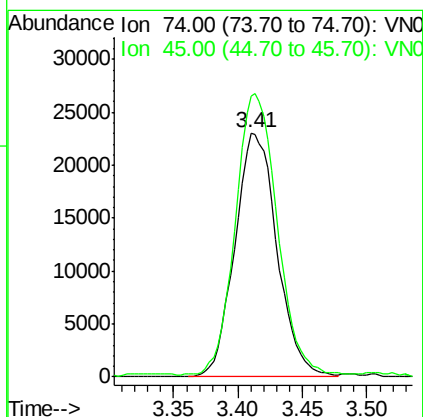
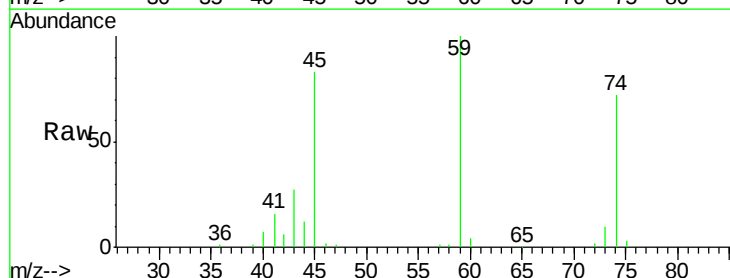
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 4/30/2019 11:59:21 AM

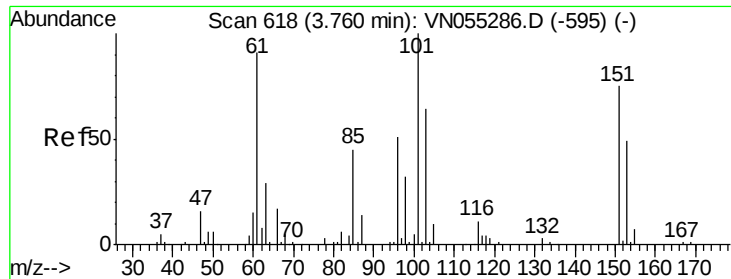


#8

Diethyl Ether
 Concen: 20.418 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion: 74 Resp: 52421
 Ion Ratio Lower Upper
 74 100
 45 114.4 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.655 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

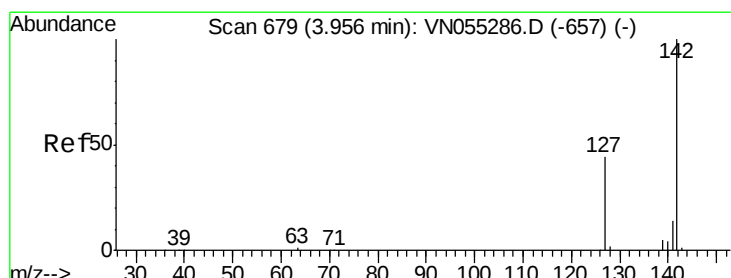
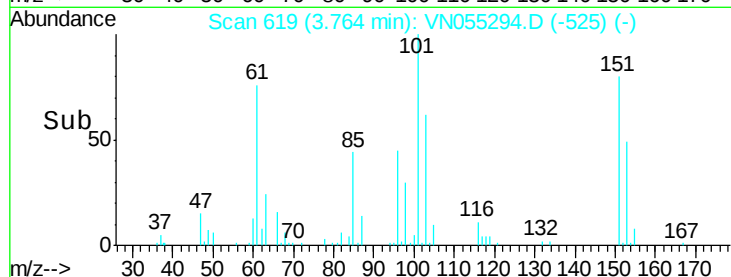
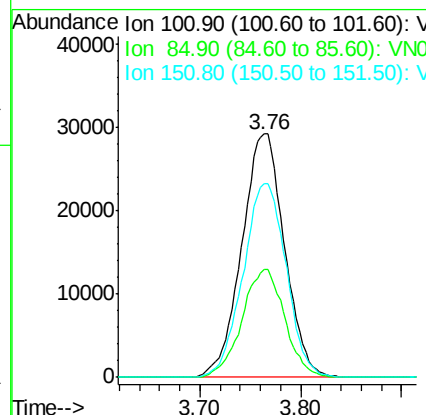
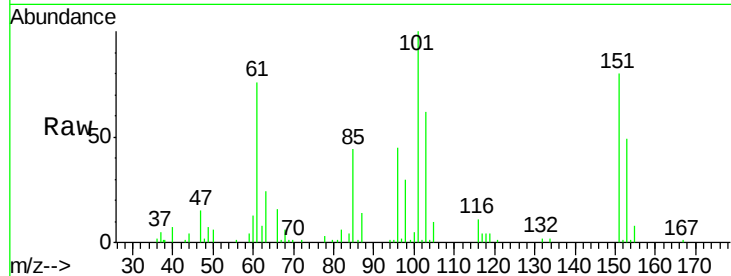
ClientSampleId :

VN0429WBSD01

Tot Ion:	101	Resp:	85890
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.7	53.5
151	80.3	63.3	94.9

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#10

Methyl Iodide

Concen: 20.213 ug/l

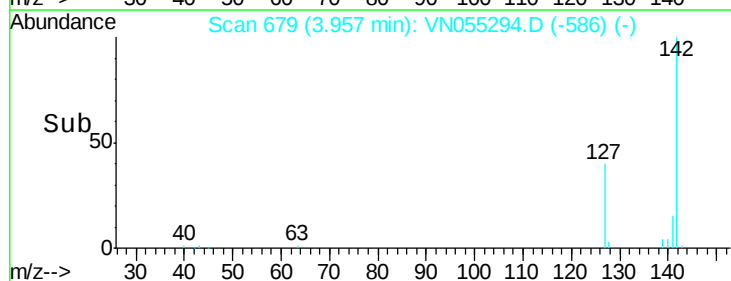
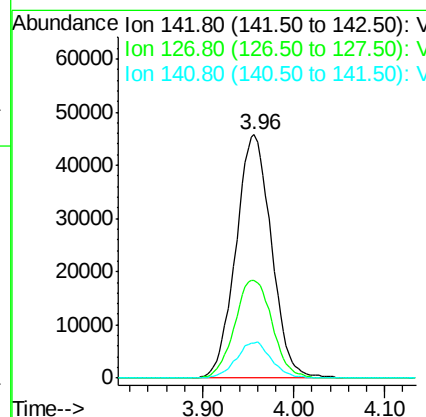
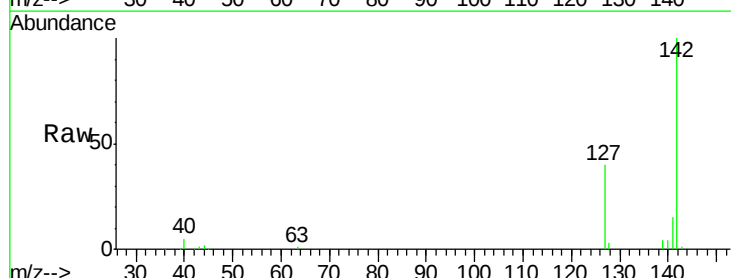
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Tgt Ion:	142	Resp:	124309
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.4	51.6
141	14.6	11.5	17.3





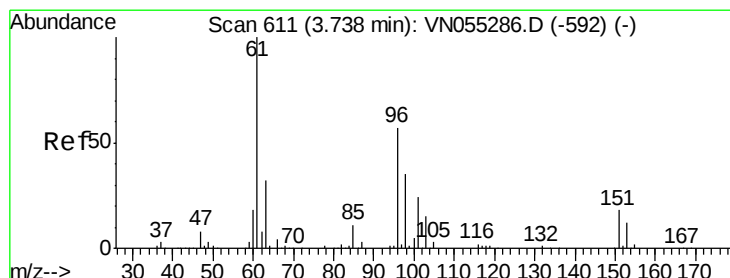
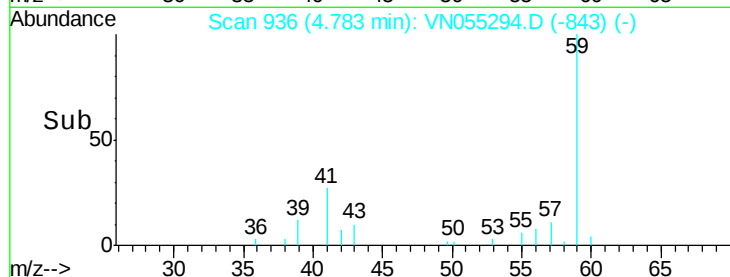
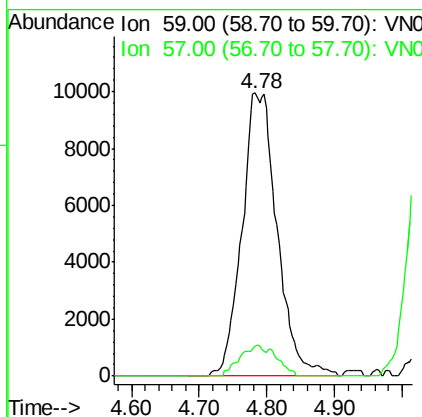
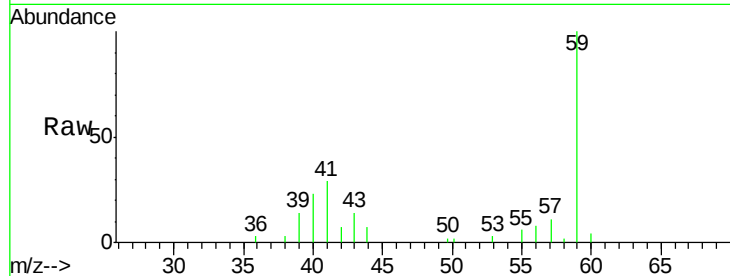
#11
Tert butyl alcohol
Concen: 113.324 ug/l m
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion: 59 Resp: 35819
Ion Ratio Lower Upper
59 100
57 7.7 8.2 12.2#

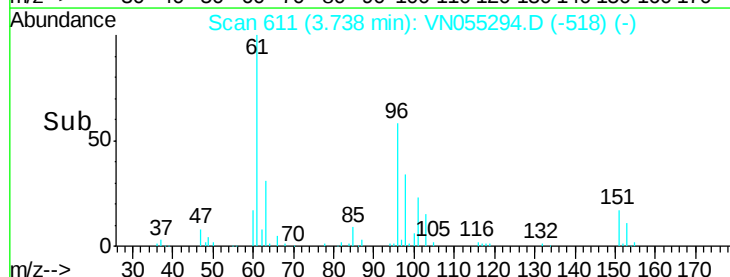
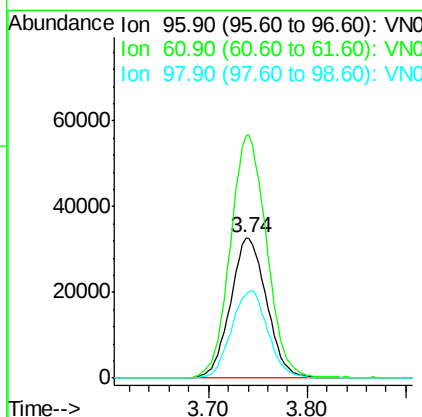
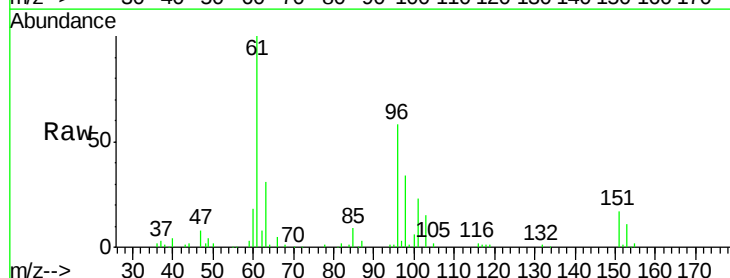
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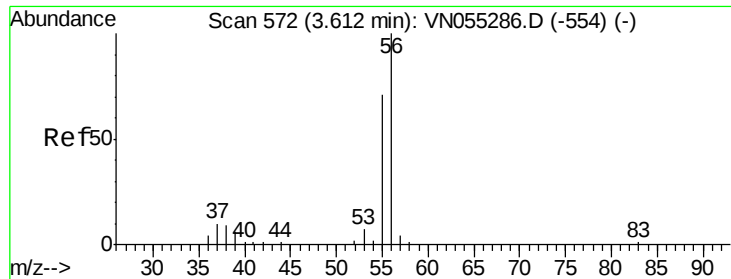
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.000 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 96 Resp: 83374
Ion Ratio Lower Upper
96 100
61 172.7 140.9 211.3
98 59.5 50.0 75.0





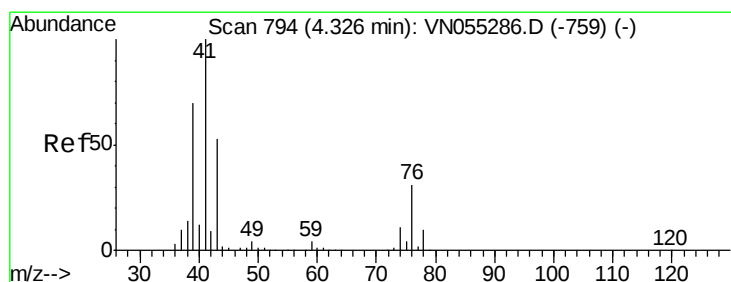
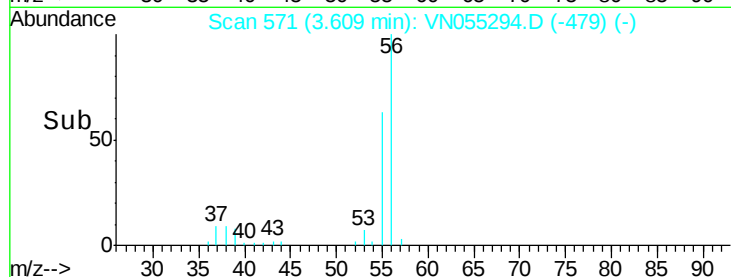
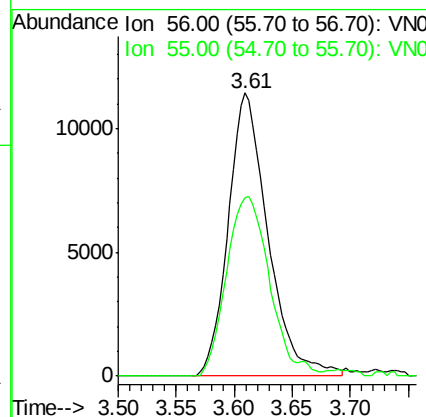
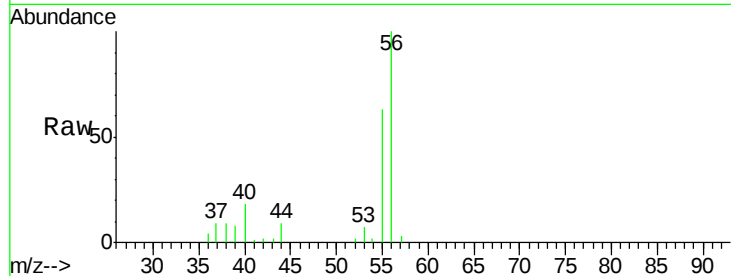
#13
Acrolein
Concen: 110.256 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampled :
VN0429WBSD01

Tot Ion	56	Resp	27216
Ion Ratio	100	Lower	Upper
56	100		
55	68.8	57.4	86.2

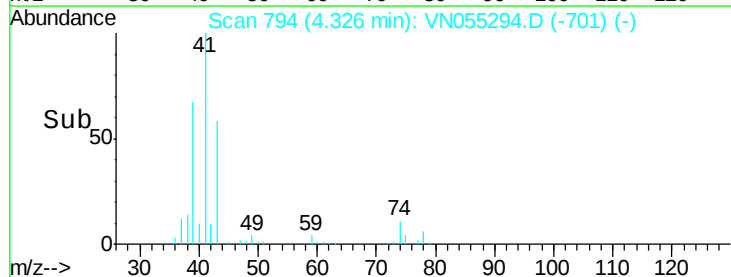
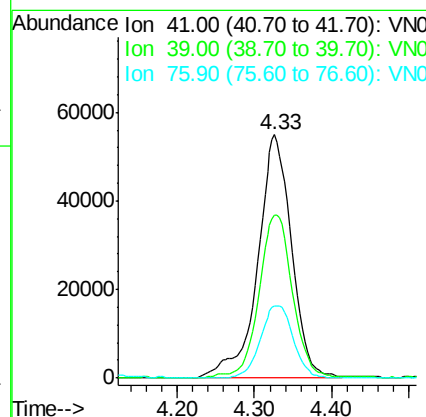
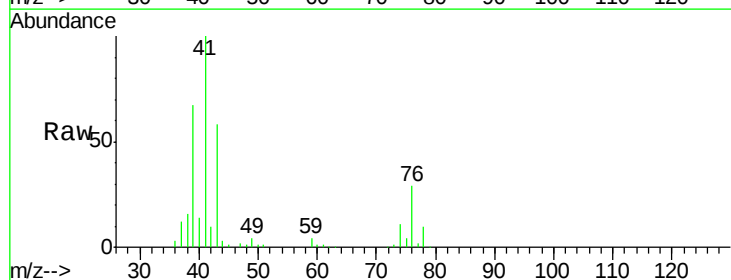
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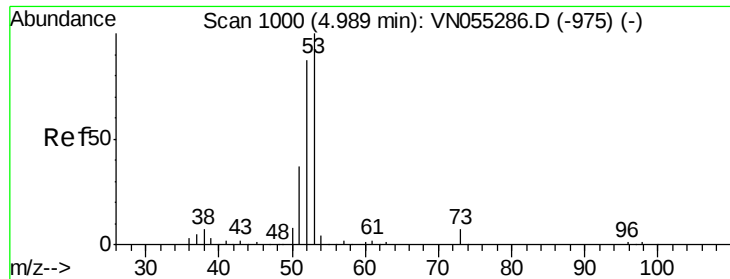
MMDadoda
4/30/2019 11:59:21 AM



#14
Allyl chloride
Concen: 19.420 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	41	Resp	167670
Ion Ratio	100	Lower	Upper
41	100		
39	66.8	53.0	79.6
76	28.9	22.7	34.1





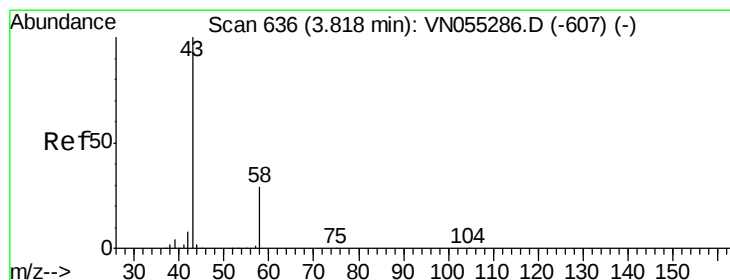
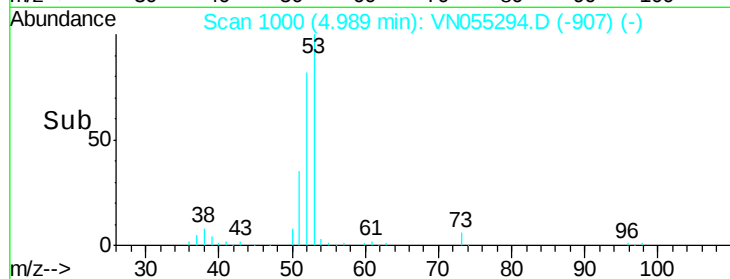
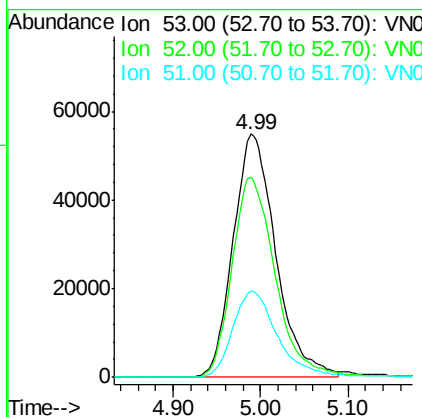
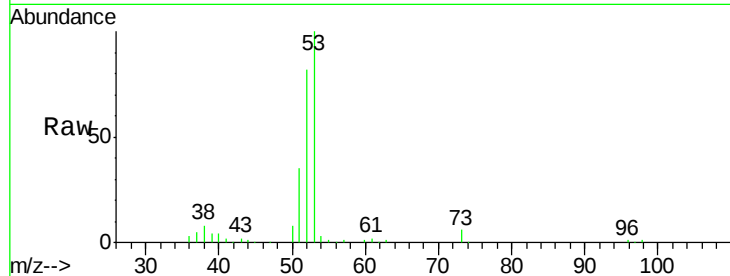
#15
 Acrylonitrile
 Concen: 104.629 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.5	99.7
51	37.1	29.6	44.4

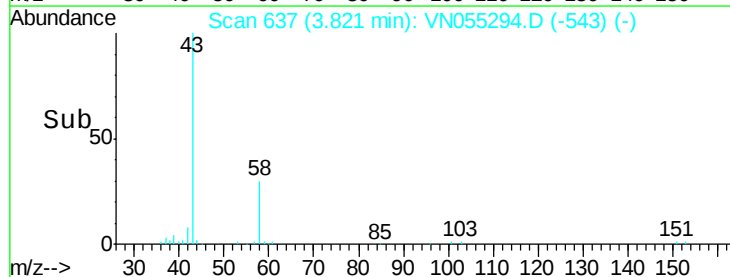
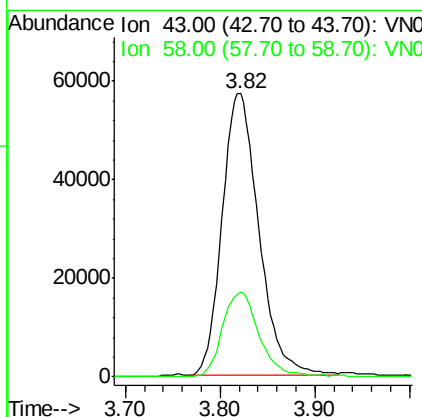
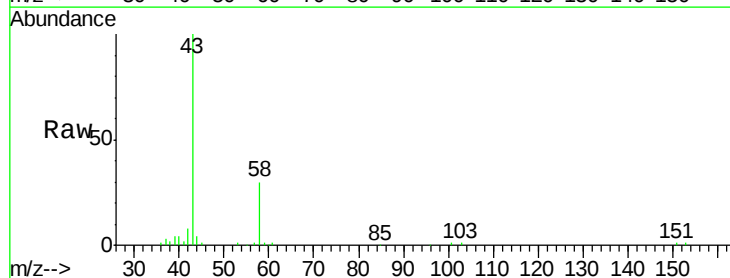
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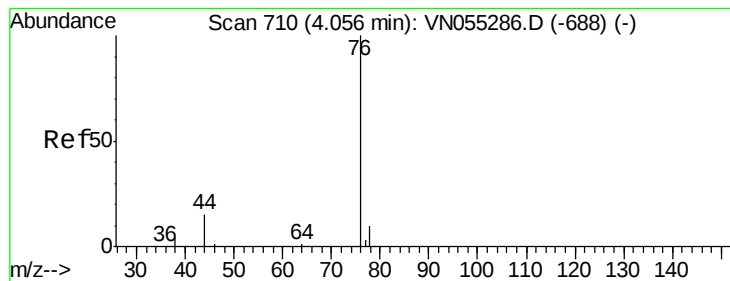
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#16
 Acetone
 Concen: 89.565 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.6	35.4





#17

Carbon Disulfide

Concen: 19.553 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

Tot Ion: 76 Resp: 212721

Ion Ratio Lower Upper

76 100

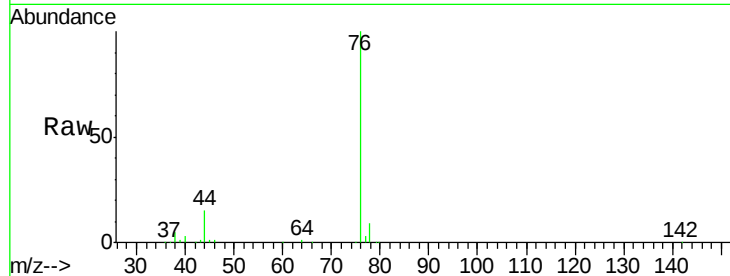
78 9.5 7.6 11.4

Manual Integrations

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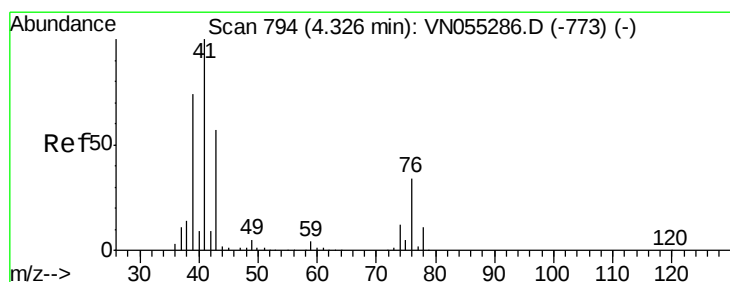
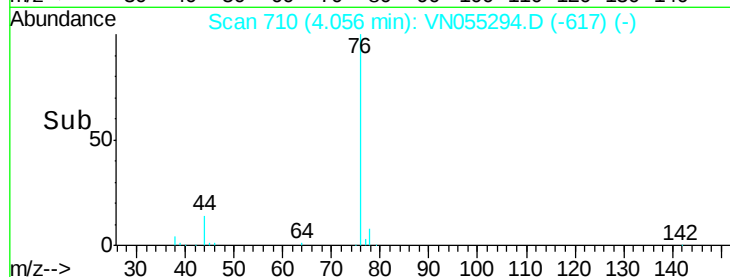
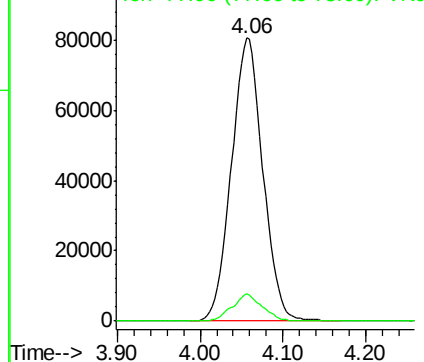
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.848 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055294.D

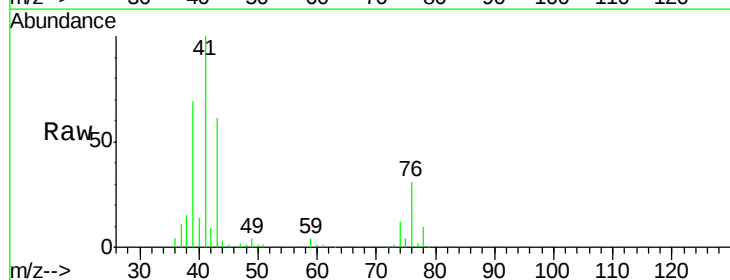
Acq: 29 Apr 2019 15:29

Tgt Ion: 43 Resp: 93995

Ion Ratio Lower Upper

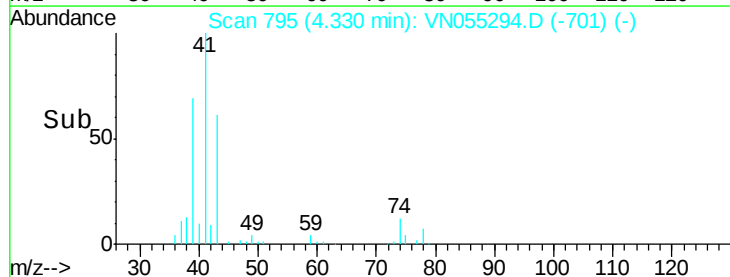
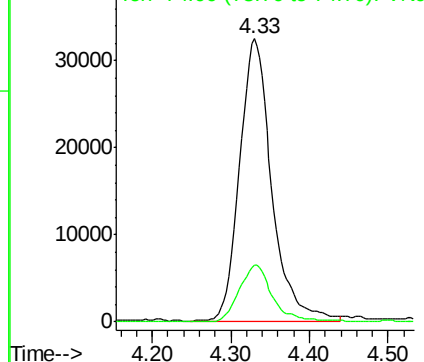
43 100

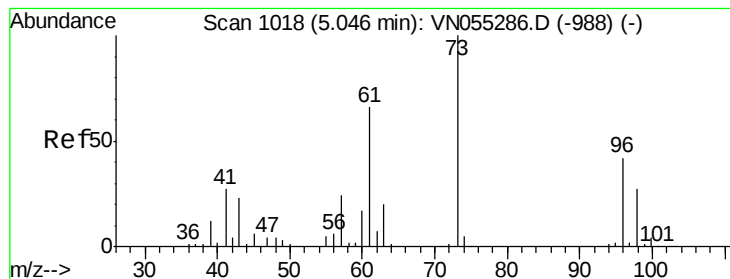
74 20.4 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





#19

Methyl tert-butyl Ether

Concen: 20.754 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

Tot Ion: 73 Resp: 243217

Ion Ratio Lower Upper

73 100

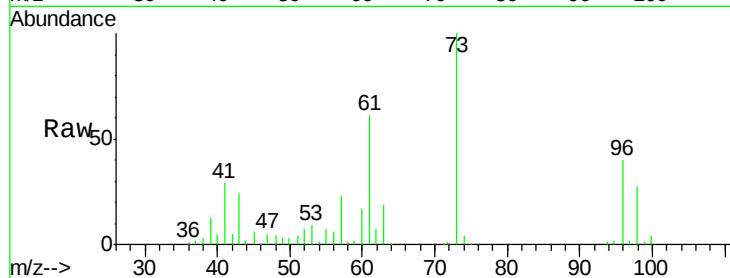
57 23.2 19.1 28.7

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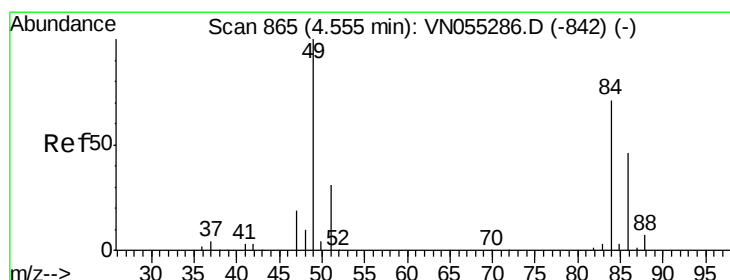
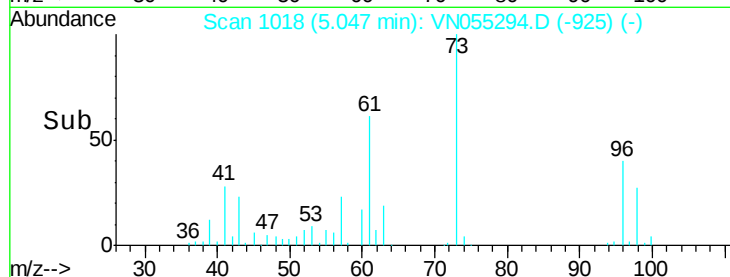
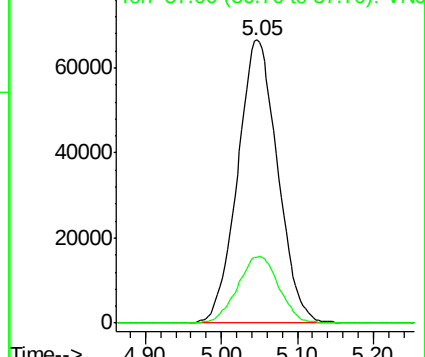
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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 19.796 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Tgt Ion: 84 Resp: 103938

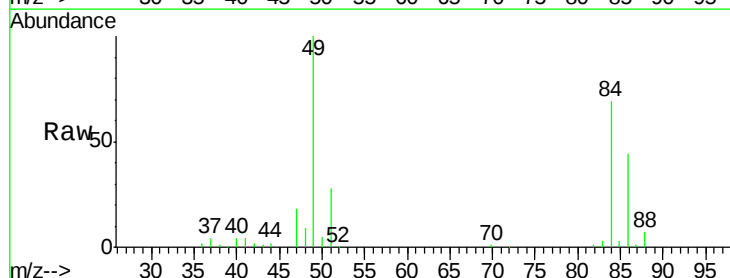
Ion Ratio Lower Upper

84 100

49 144.0 112.4 168.6

51 41.1 34.6 51.8

86 64.1 51.9 77.9

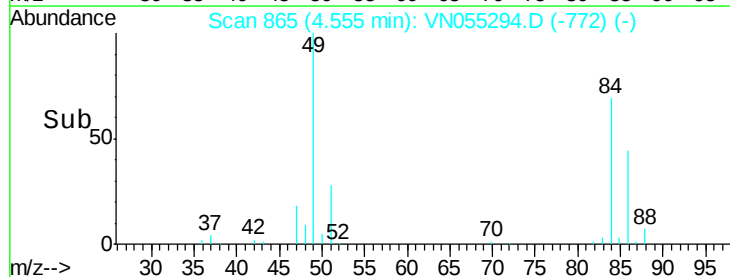
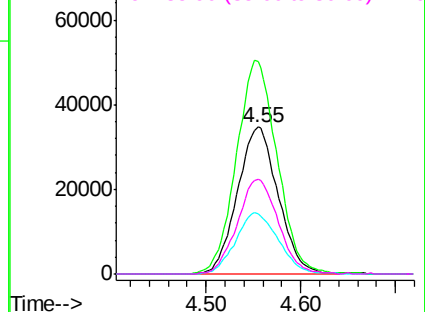


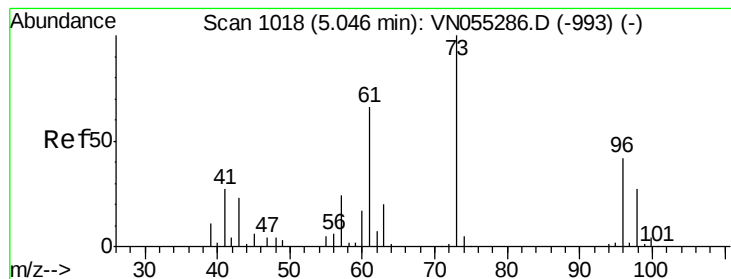
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

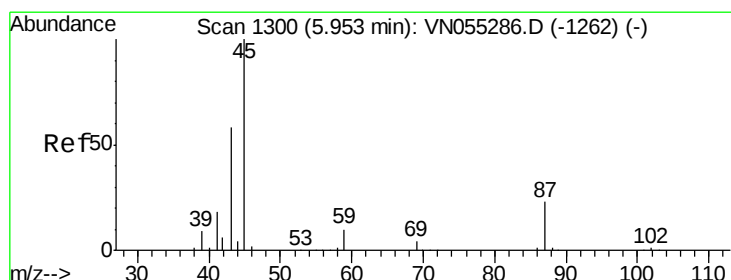
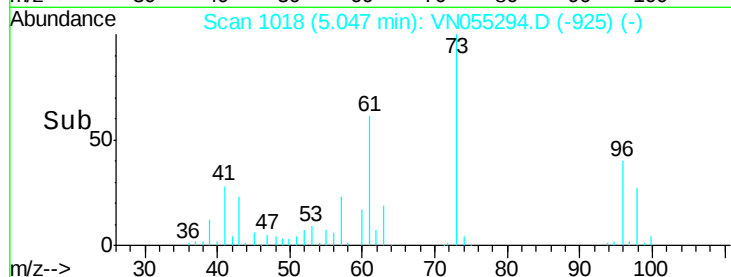
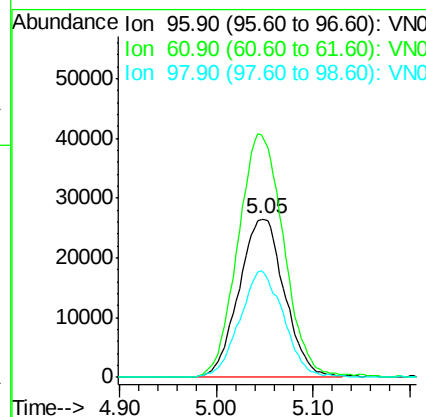
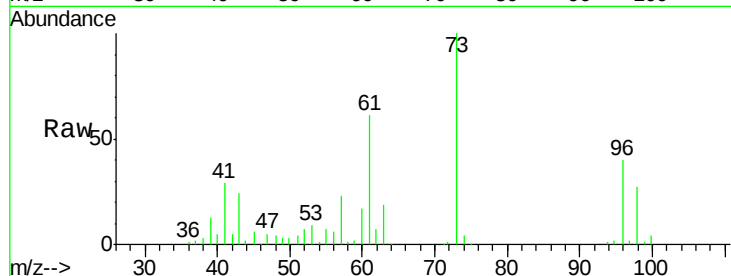
trans-1,2-Dichloroethene
Concen: 19.675 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampled :
VN0429WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.9	126.2	189.4
98	67.6	52.2	78.2

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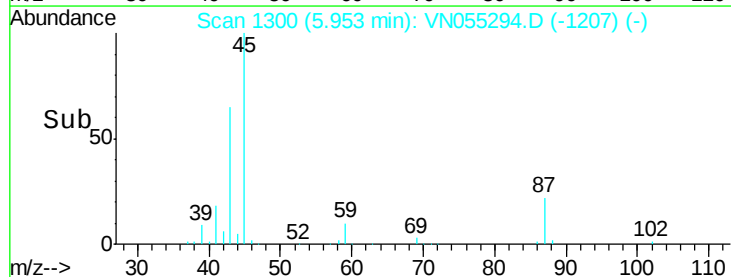
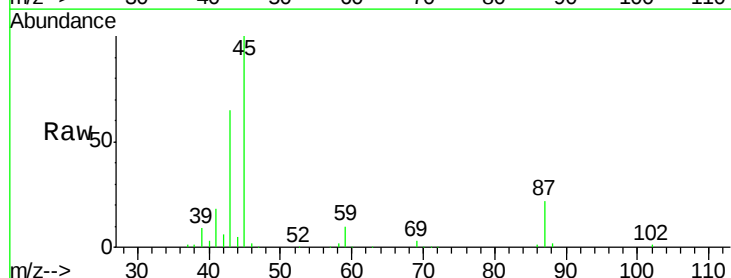
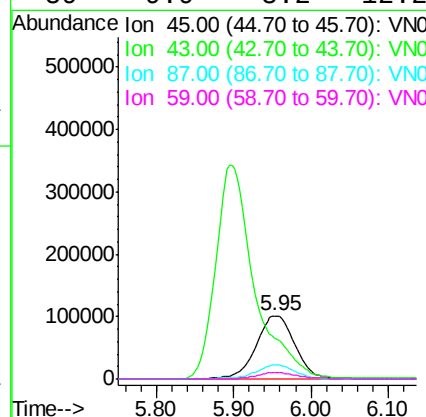
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#22

Diisopropyl ether
Concen: 20.628 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	46.6	70.0
87	21.7	18.1	27.1
59	9.9	8.2	12.2





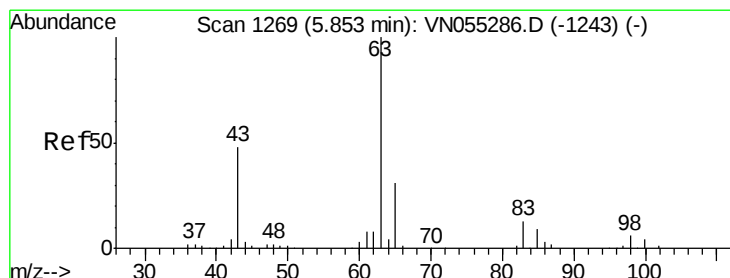
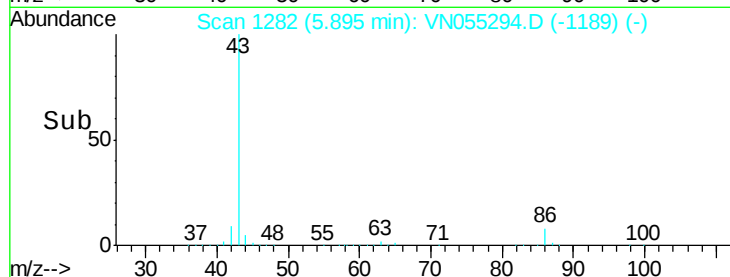
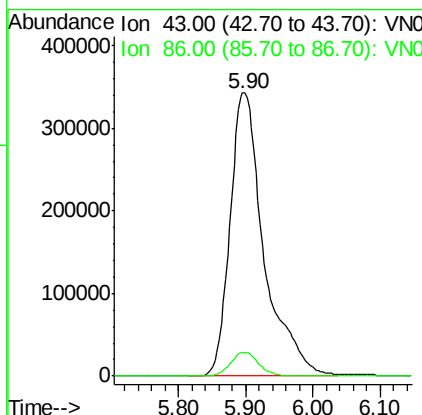
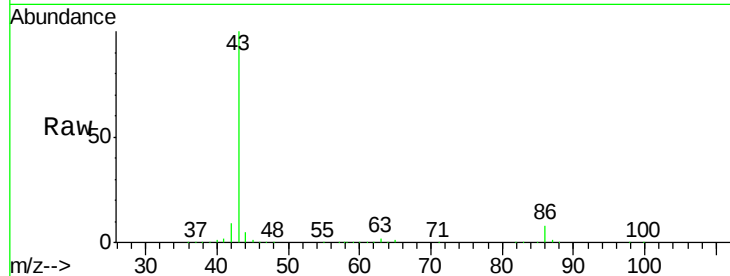
#23
 Vinyl Acetate
 Concen: 107.110 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Tot Ion: 43 Resp: 1204231
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.6 10.0

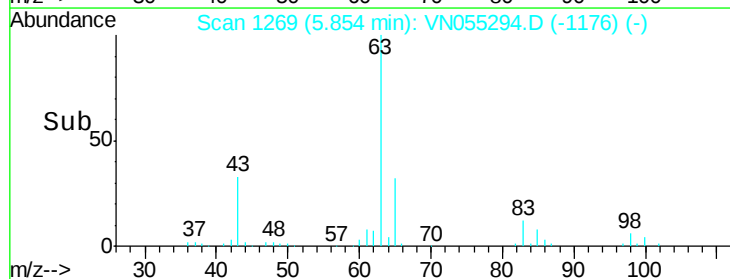
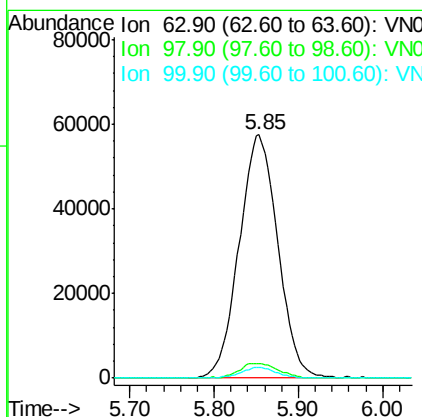
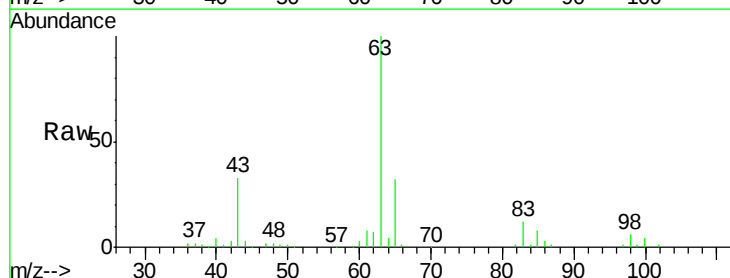
Manual Integrations
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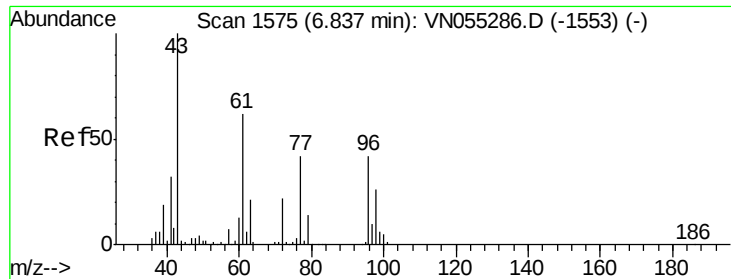
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#24
 1,1-Dichloroethane
 Concen: 20.026 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion: 63 Resp: 183036
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.0
 100 4.4 1.8 5.4





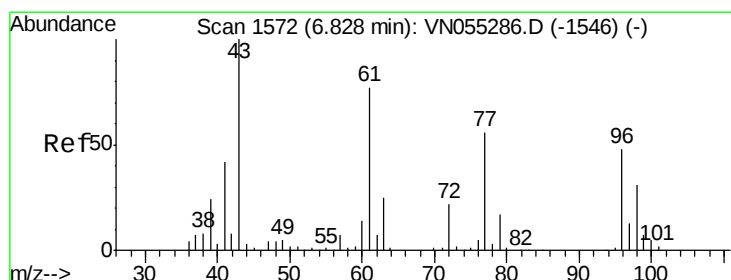
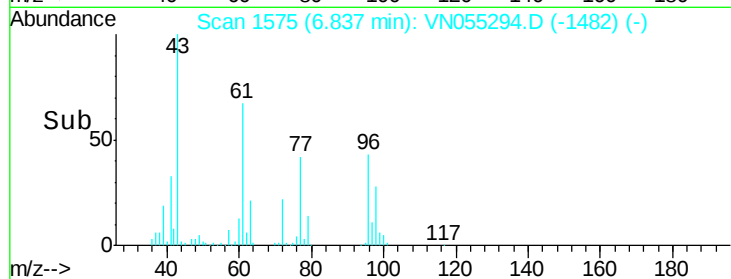
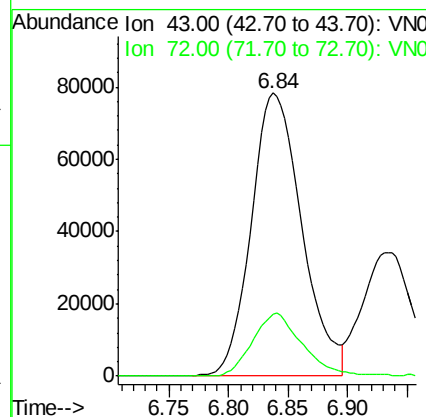
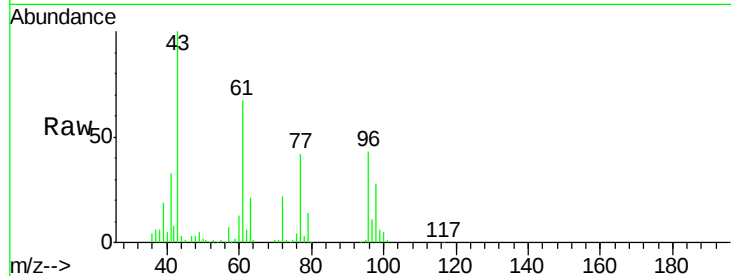
#25
2-Butanone
Concen: 103.910 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion: 43 Resp: 228591
Ion Ratio Lower Upper
43 100
72 21.9 18.0 27.0

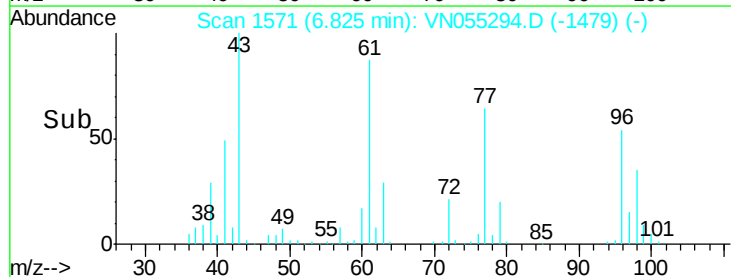
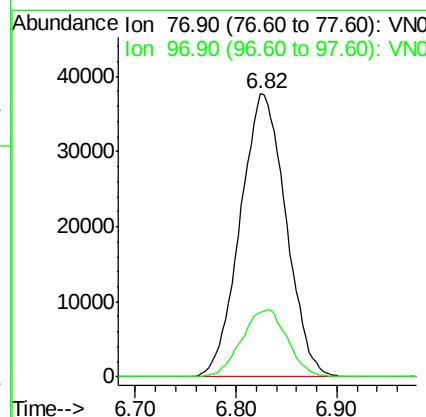
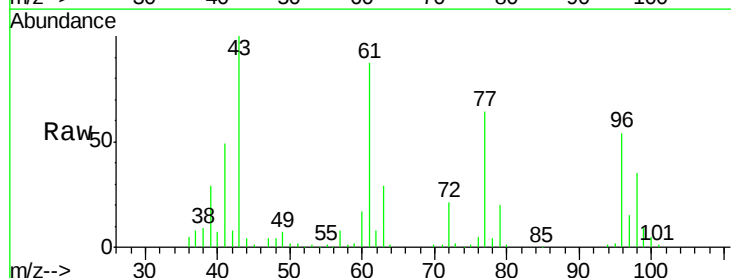
Manual Integrations
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MMDadoda
4/30/2019 11:59:21 AM



#26
2,2-Dichloropropane
Concen: 18.773 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 77 Resp: 118486
Ion Ratio Lower Upper
77 100
97 23.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.343 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

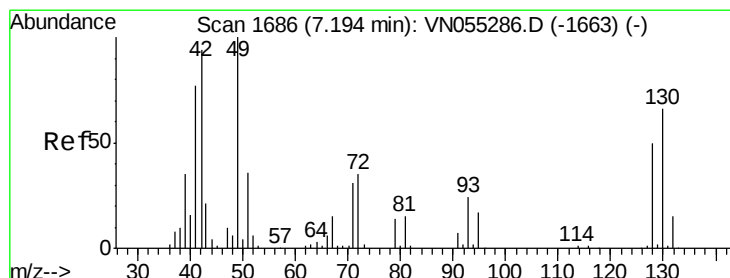
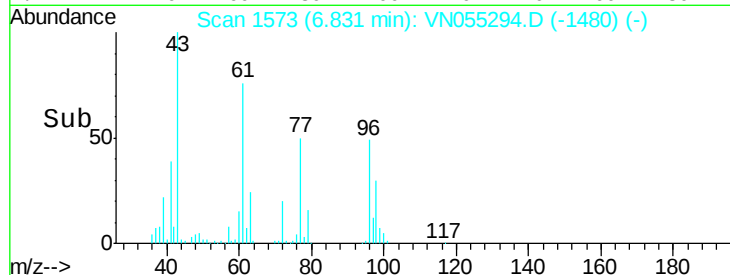
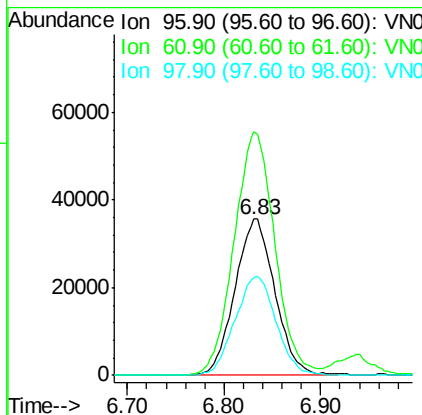
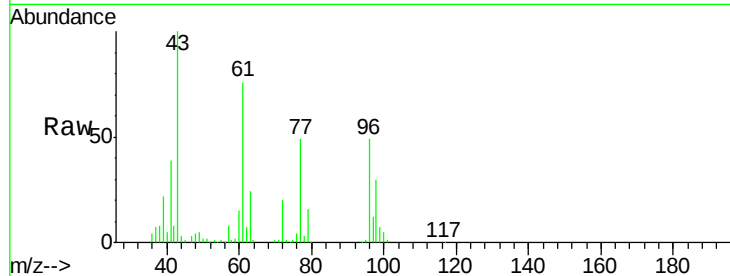
ClientSampleId :

VN0429WBSD01

Tot Ion:	96	Resp:	102134
Ion	Ratio	Lower	Upper
96	100		
61	159.1	0.0	316.2
98	65.1	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 18.769 ug/l

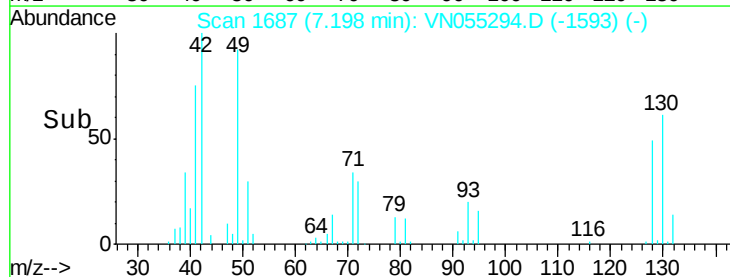
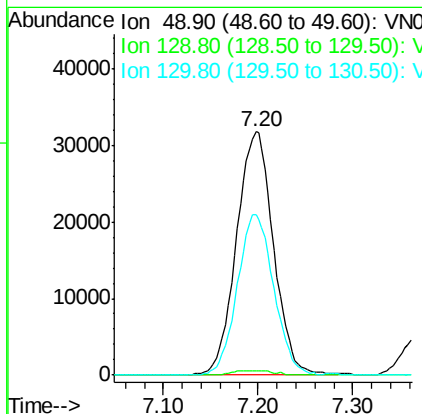
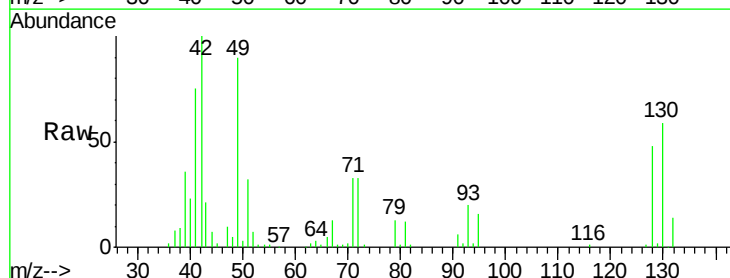
RT: 7.20 min Scan# 1687

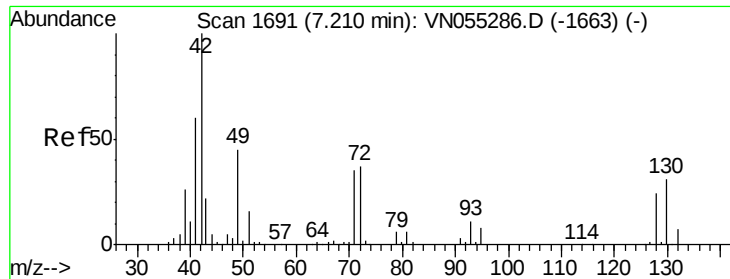
Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Tgt Ion:	49	Resp:	86473
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.4
130	64.8	52.0	78.0





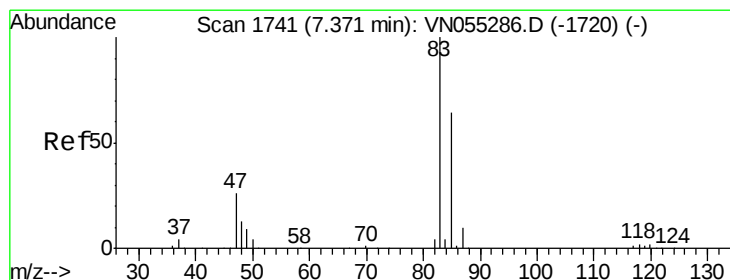
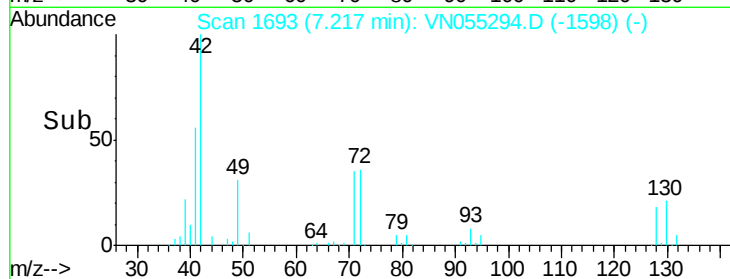
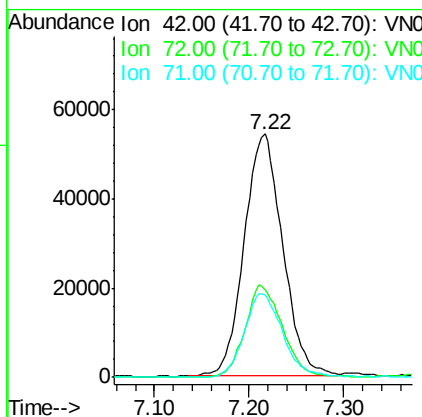
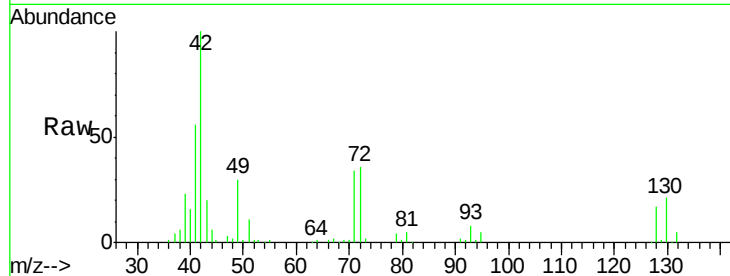
#29
Tetrahydrofuran
Concen: 109.307 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	29.0	43.6
71	34.4	27.1	40.7

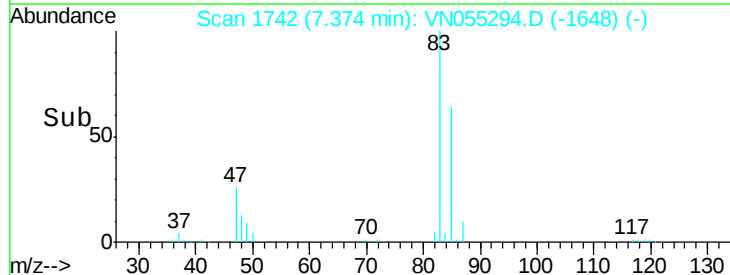
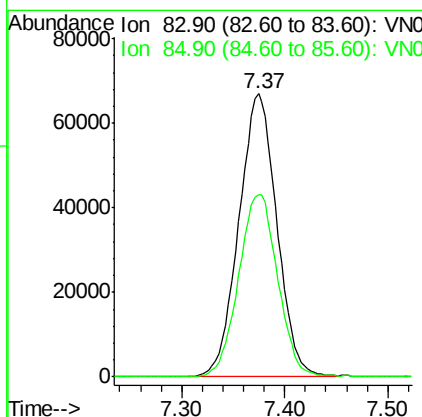
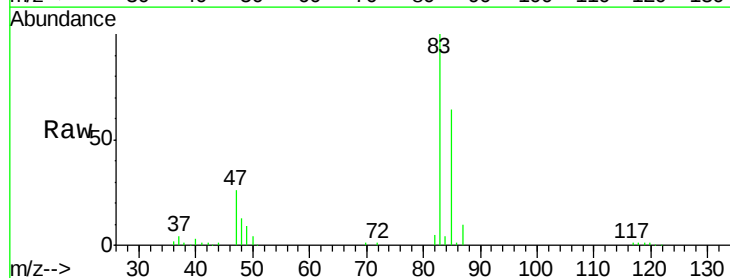
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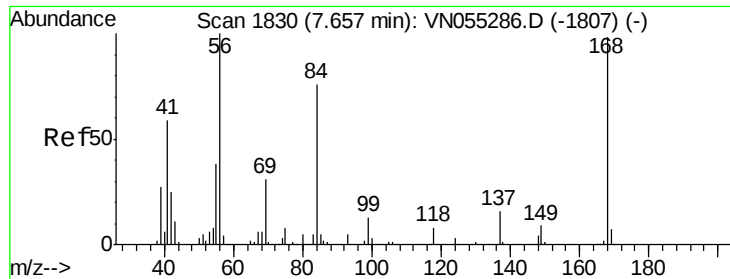
MMDadoda
4/30/2019 11:59:21 AM



#30
Chloroform
Concen: 19.768 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2





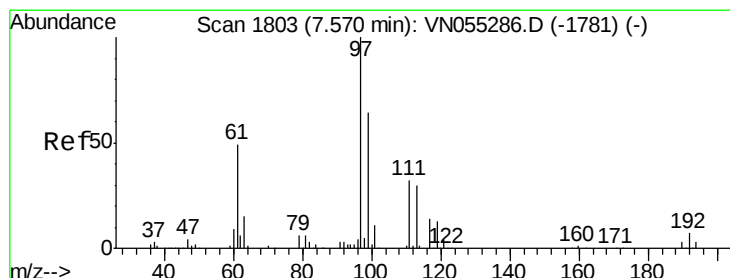
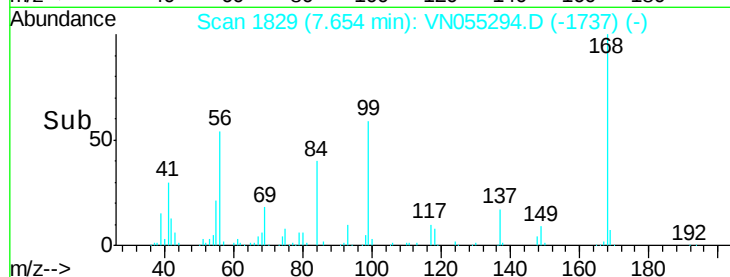
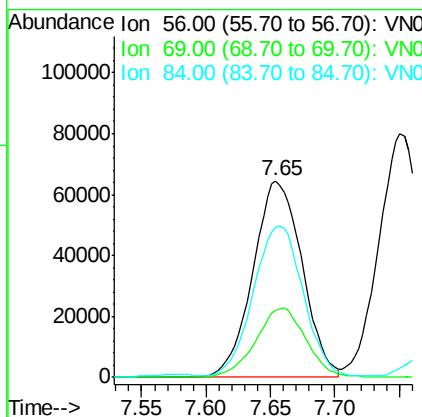
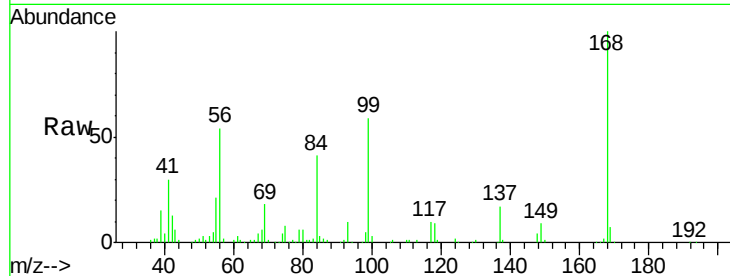
#31
Cyclohexane
Concen: 19.723 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion	56	69	84	Ratio	Lower	Upper
171273	100	34.0	75.4		25.2	37.8
					61.1	91.7

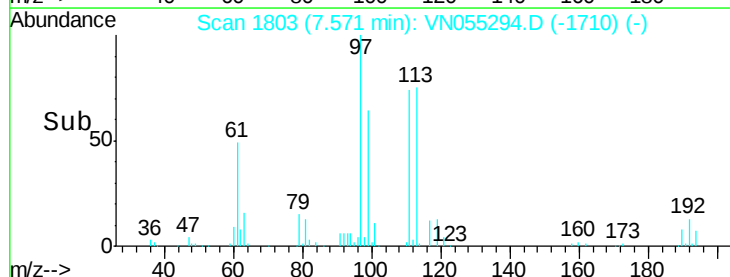
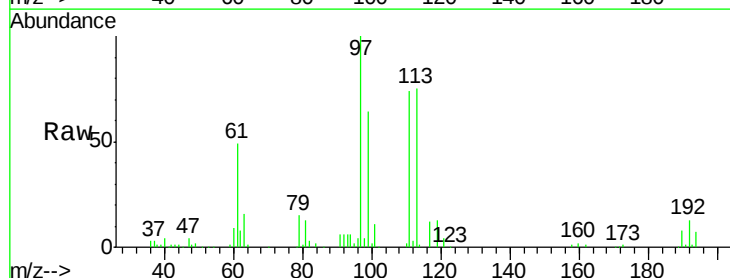
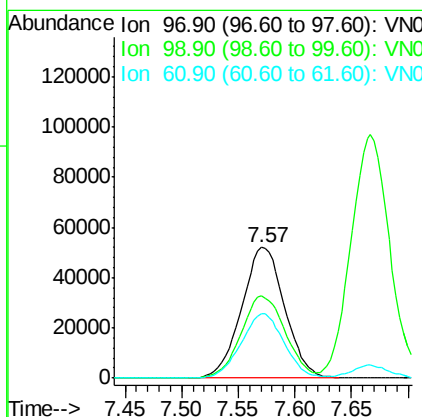
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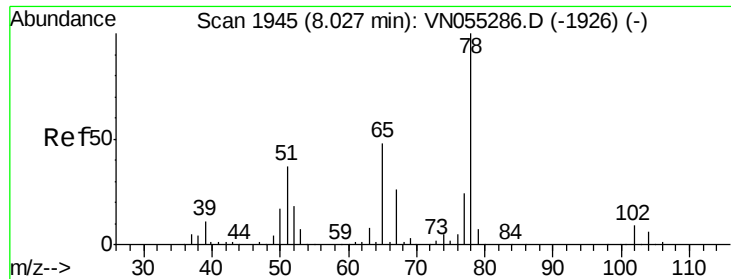
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.592 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	97	99	61	Ratio	Lower	Upper
137768	100	64.6	49.0		51.8	77.8
					39.0	58.6





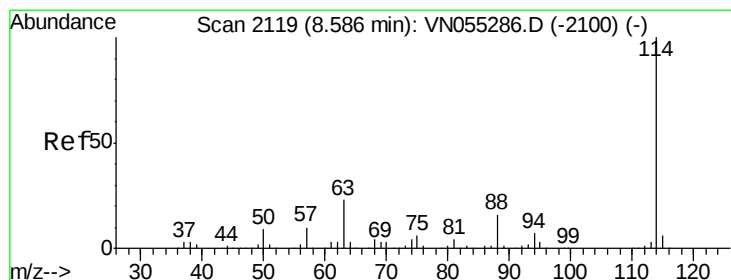
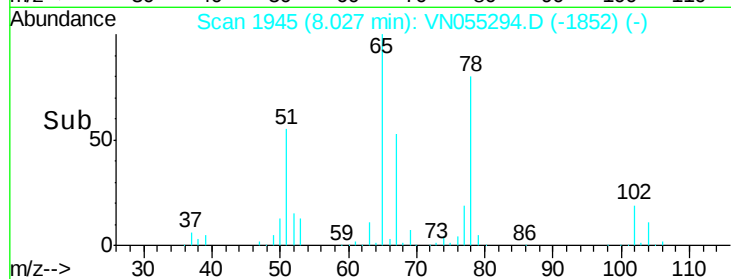
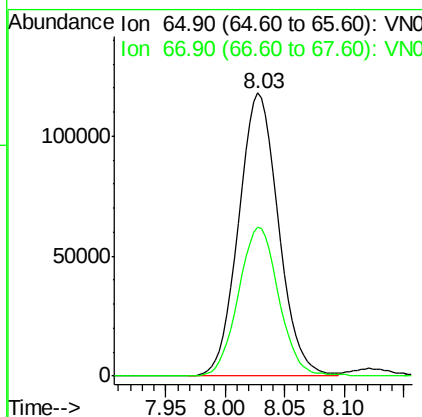
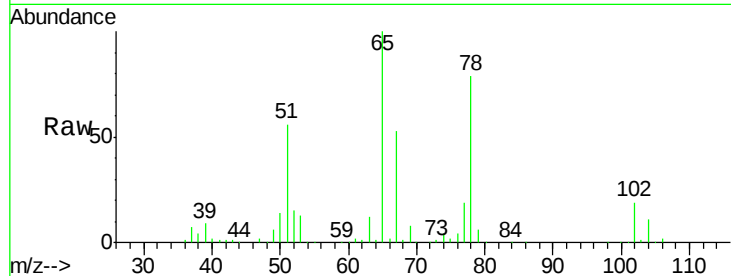
#33
 1,2-Dichloroethane-d4
 Concen: 49.725 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	274519		
67	53.2	0.0	106.8	

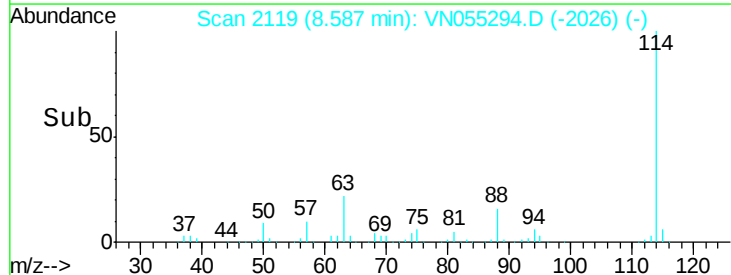
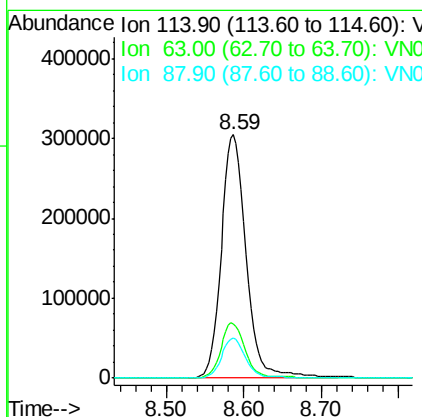
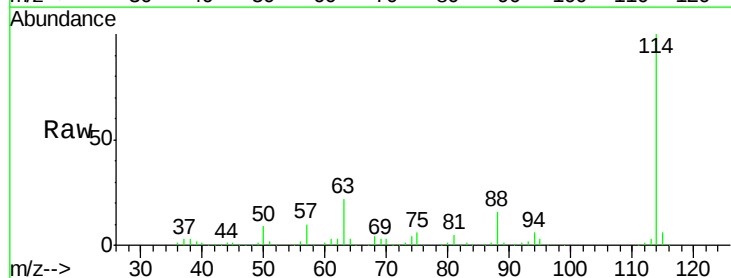
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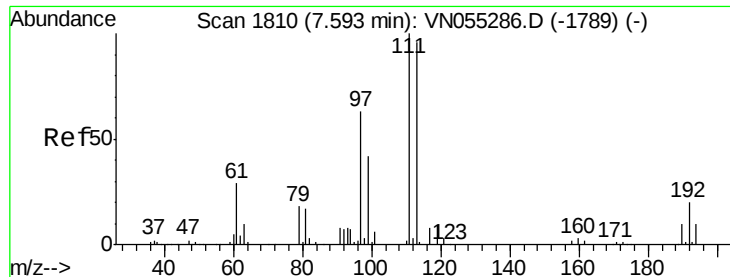
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	680725		
63	22.4	0.0	45.2	
88	16.2	0.0	31.6	





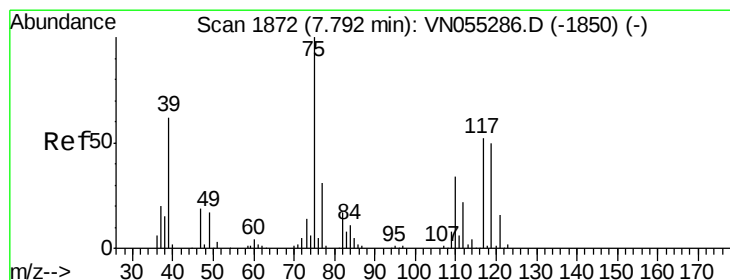
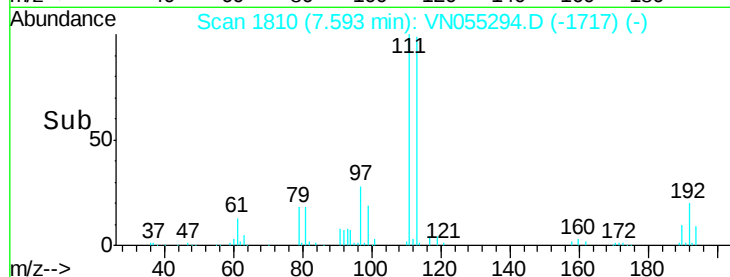
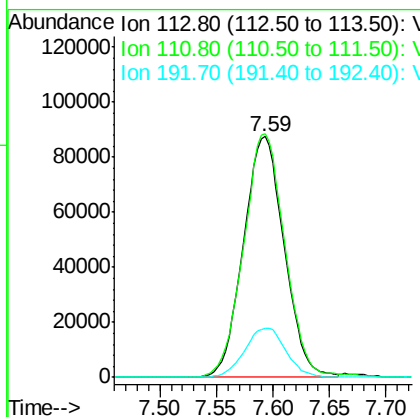
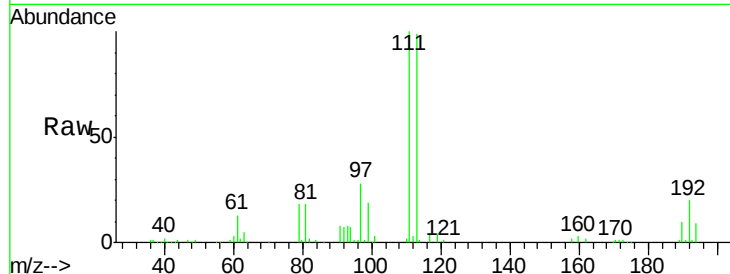
#35
Dibromofluoromethane
Concen: 49.208 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	82.3	123.5	
192	20.5	17.0	25.6	

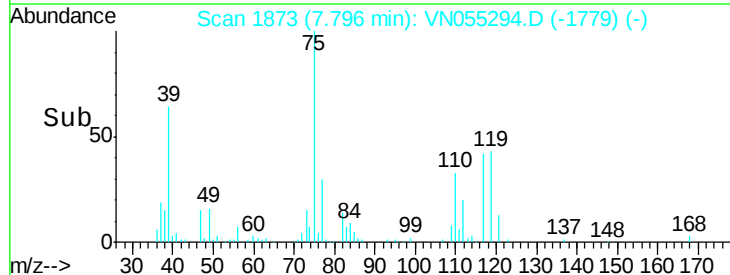
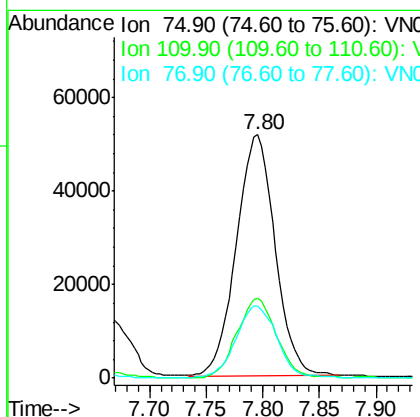
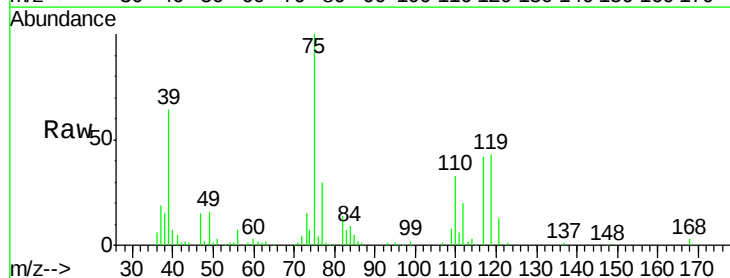
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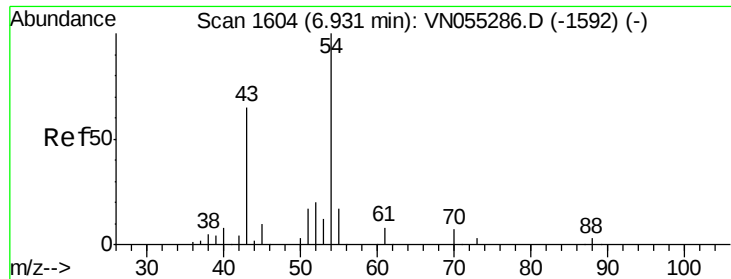
MMDadoda
4/30/2019 11:59:21 AM



#36
1,1-Dichloropropene
Concen: 18.989 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.7	16.8	50.4	
77	31.8	25.0	37.6	





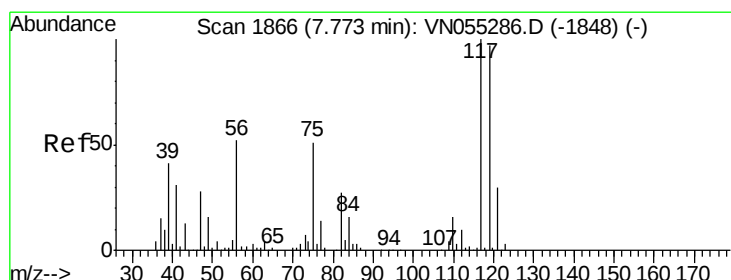
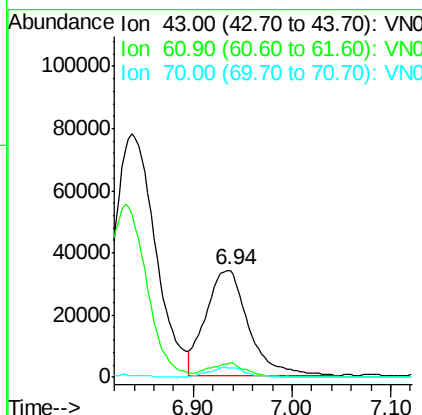
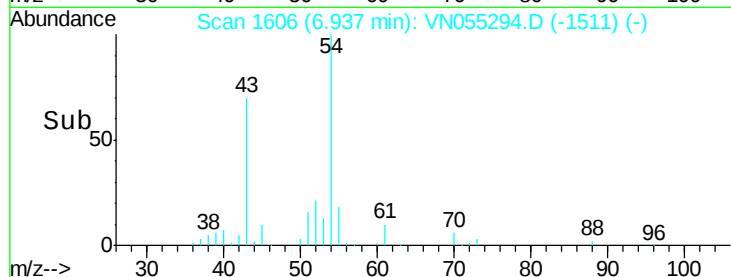
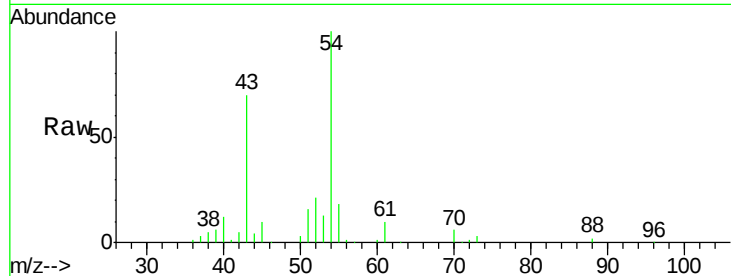
#37
Ethyl Acetate
Concen: 20.570 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampled :
VN0429WBSD01

Tot Ion	43	61	70
Resp	102795	11.2	7.8
Ratio	100	10.4	6.6
Lower		15.6	10.0
Upper			

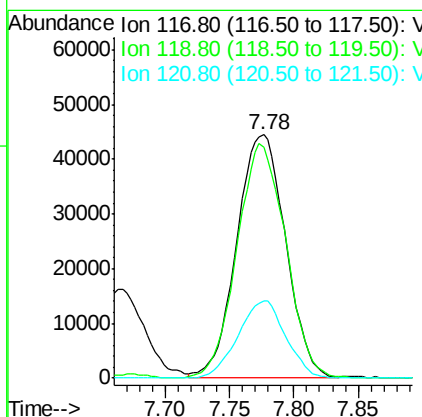
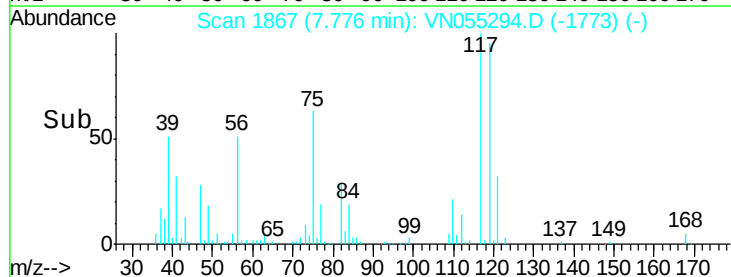
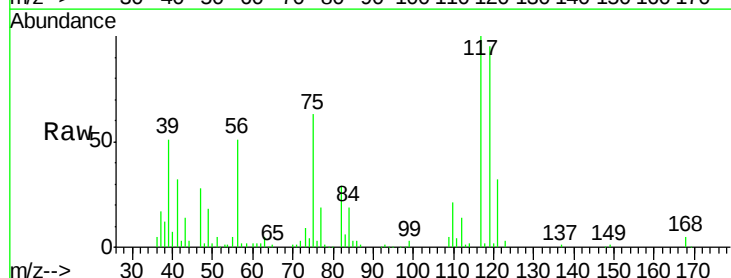
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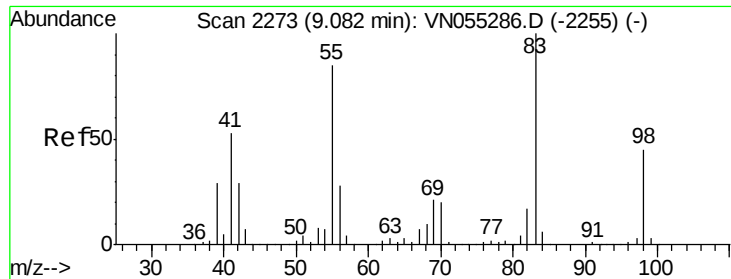
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#38
Carbon Tetrachloride
Concen: 18.562 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	117	119	121
Resp	116752	94.5	31.8
Ratio	100	77.0	23.8
Lower		115.6	35.8
Upper			





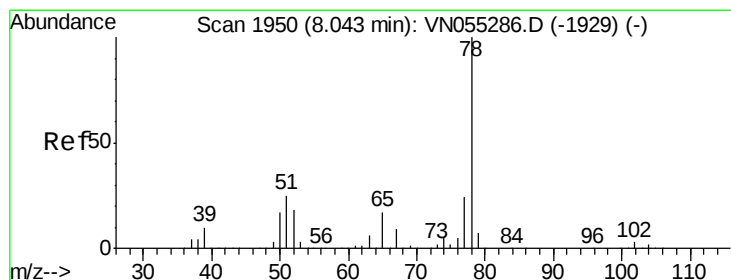
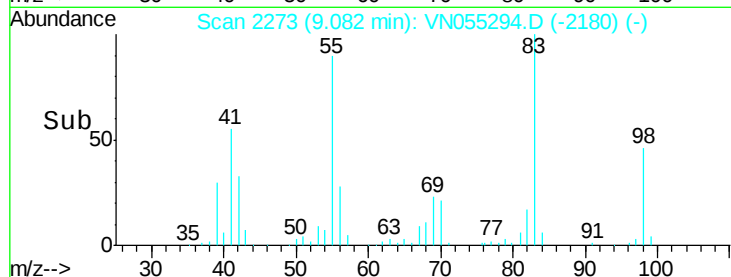
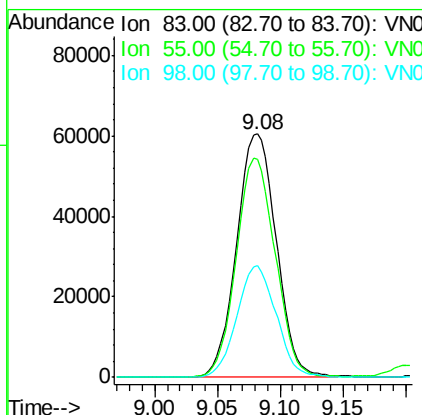
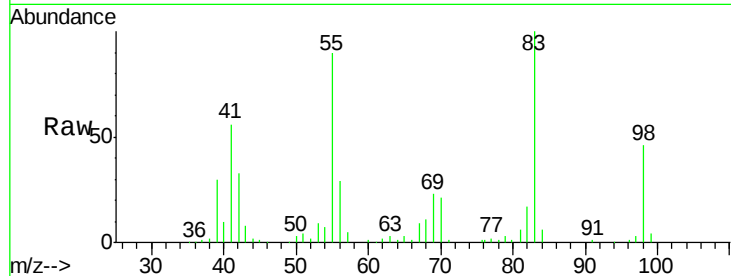
#39
Methvlcvclohexane
Concen: 19.224 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion	83	Resp	133271
Ion Ratio	Lower	Upper	
83	100		
55	89.5	67.8	101.6
98	45.8	36.2	54.4

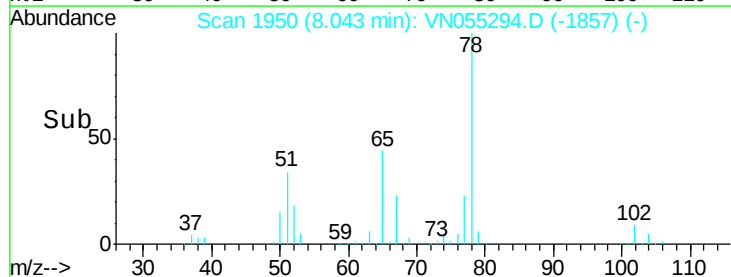
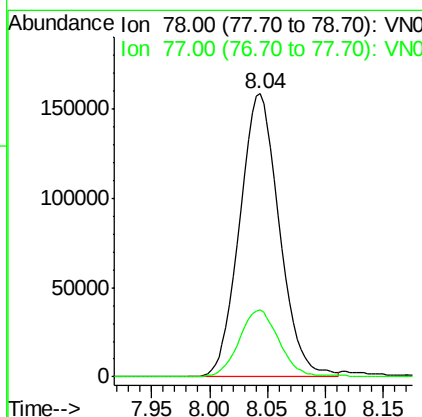
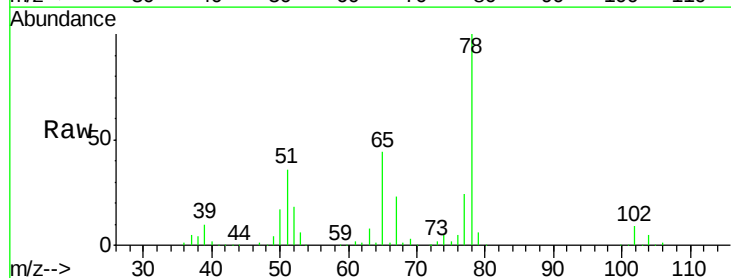
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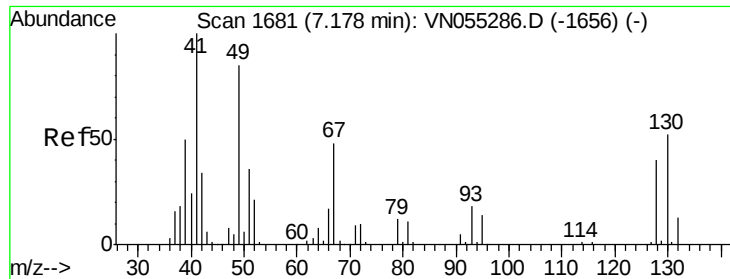
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#40
Benzene
Concen: 19.666 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	78	Resp	378015
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.0	28.6





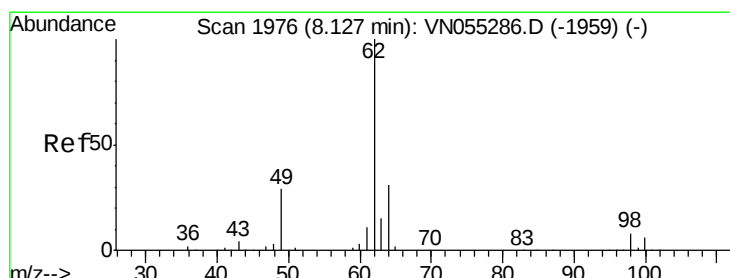
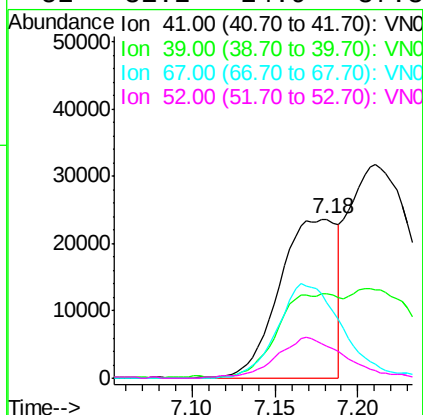
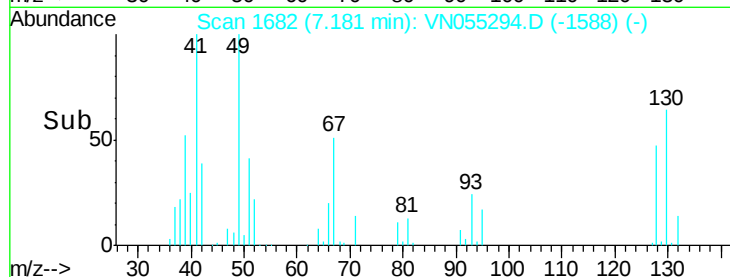
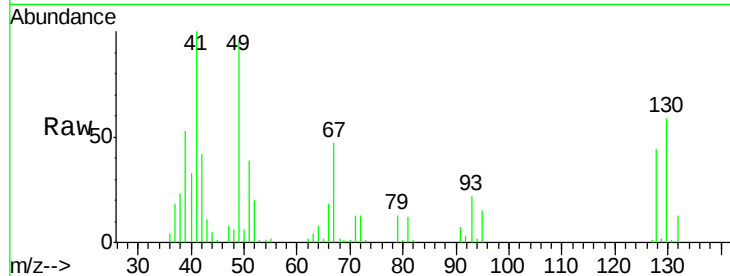
#41
Methacrylonitrile
Concen: 21.618 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	31.8	48.5	72.7	#
67	68.1	54.9	82.3	
52	31.2	24.9	37.3	

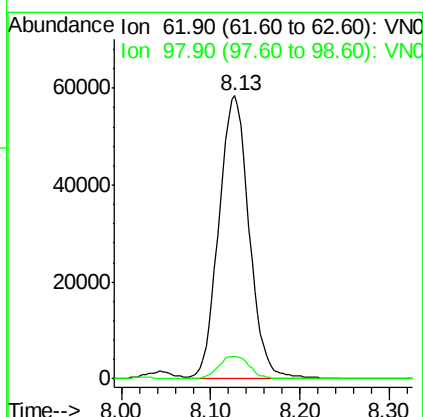
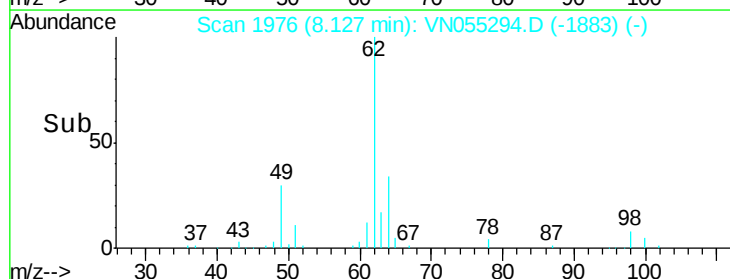
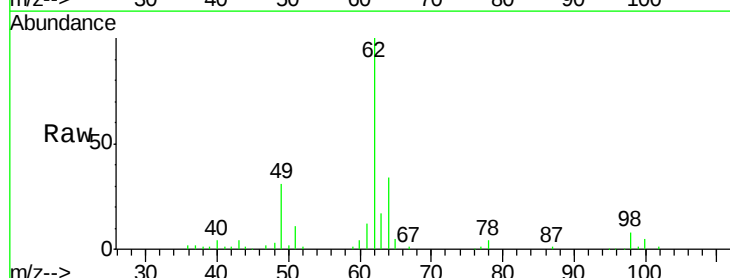
Manual Integrations
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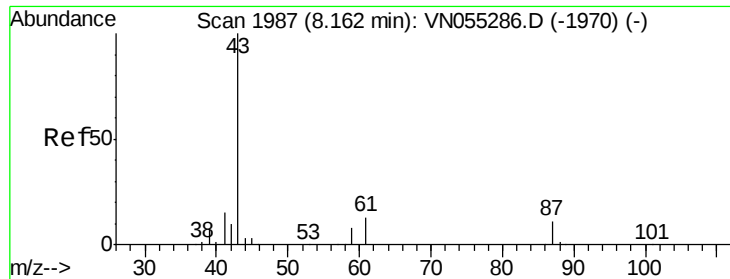
MMDadoda
4/30/2019 11:59:21 AM



#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.4	





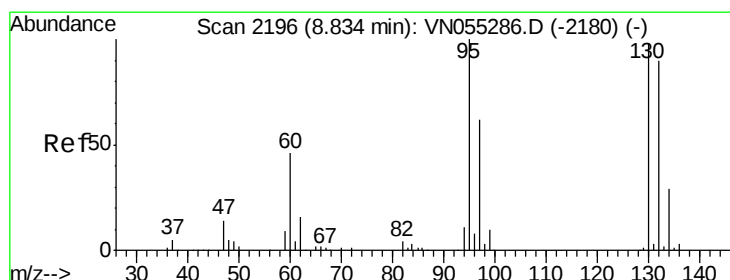
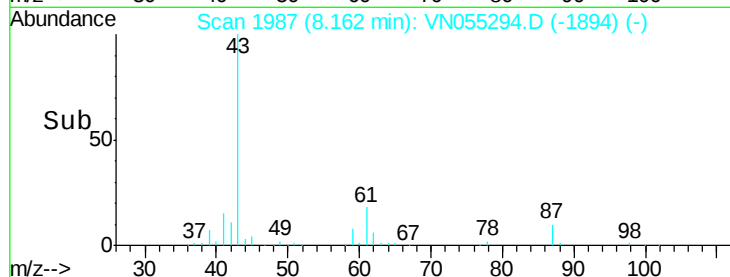
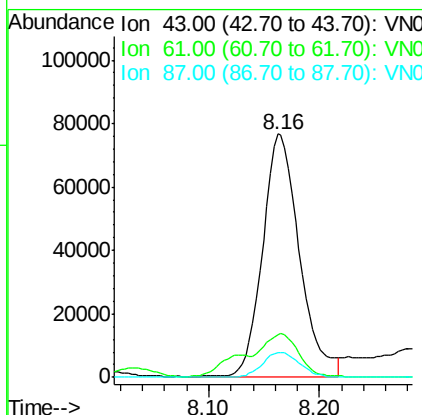
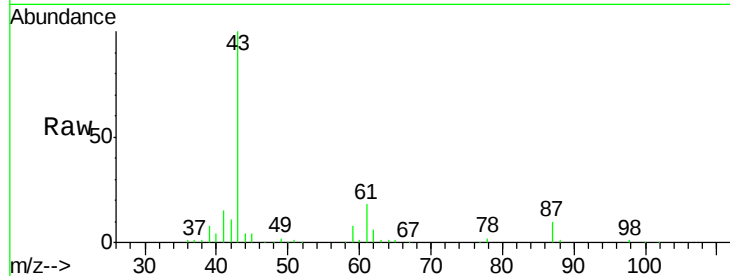
#43
Isopropyl Acetate
Concen: 21.906 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	20.8	31.2#
87	10.4	8.5	12.7

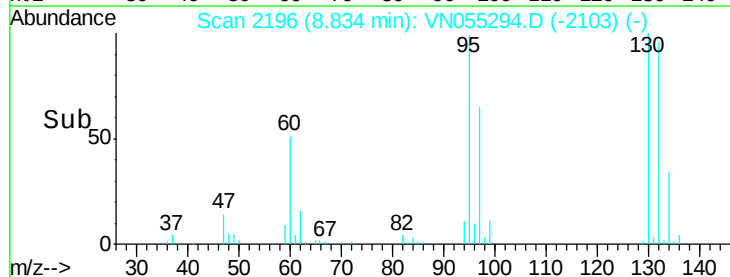
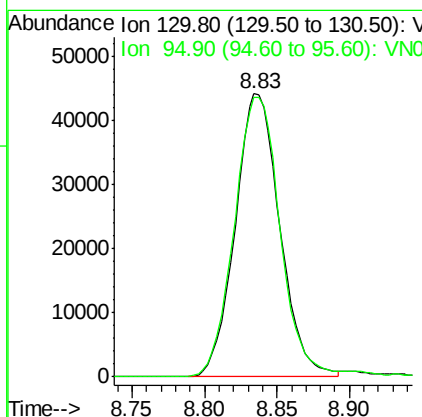
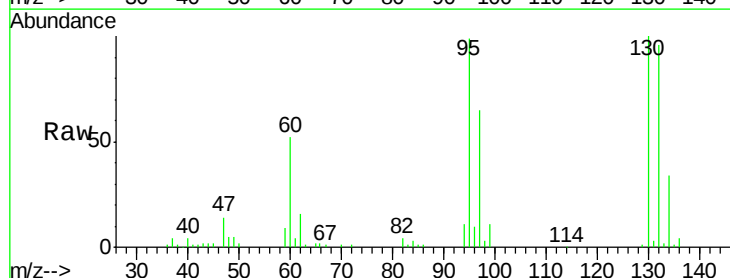
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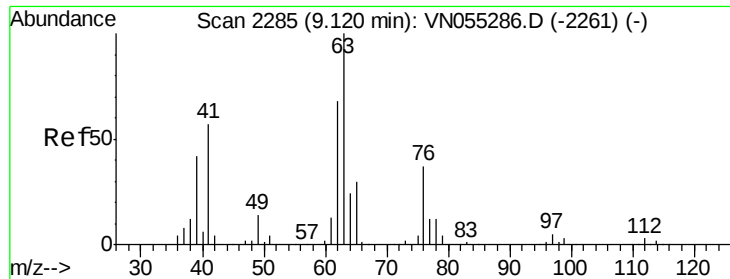
MMDadoda
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#44
Trichloroethene
Concen: 19.221 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	203.4





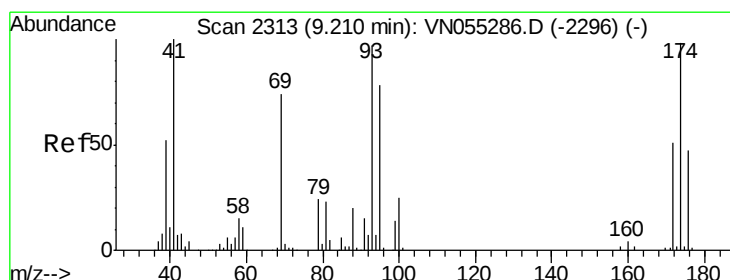
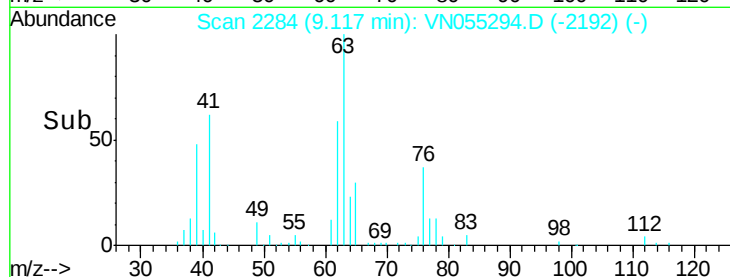
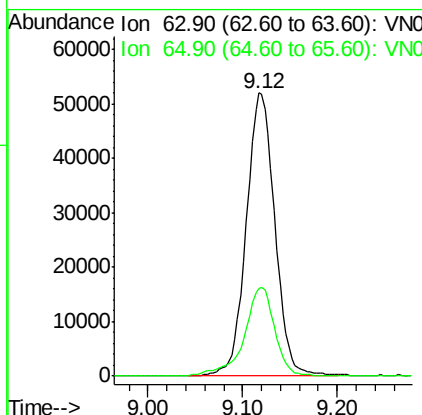
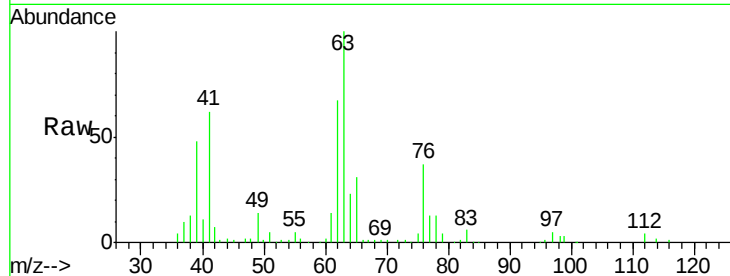
#45
 1,2-Dichloropropane
 Concen: 19.768 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Tot Ion: 63 Resp: 109591
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.9 35.9

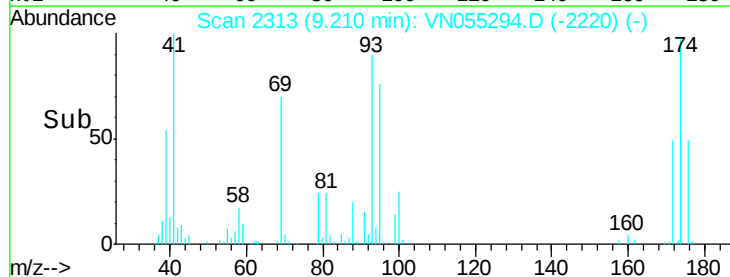
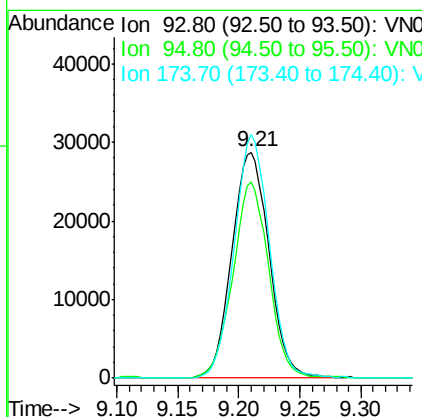
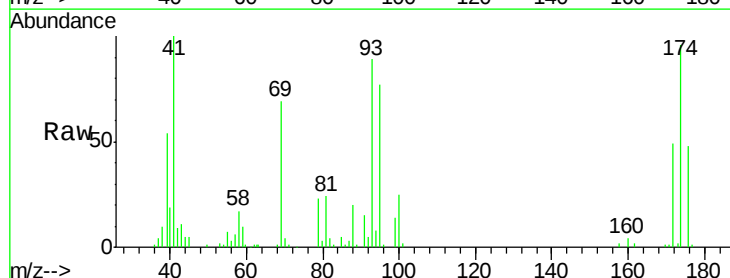
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#46
 Dibromomethane
 Concen: 20.035 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion: 93 Resp: 60712
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.7 98.5
 174 101.7 81.5 122.3





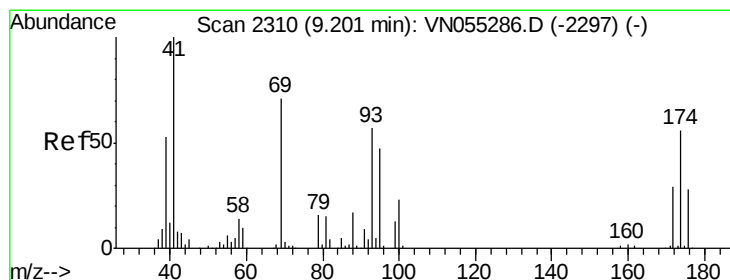
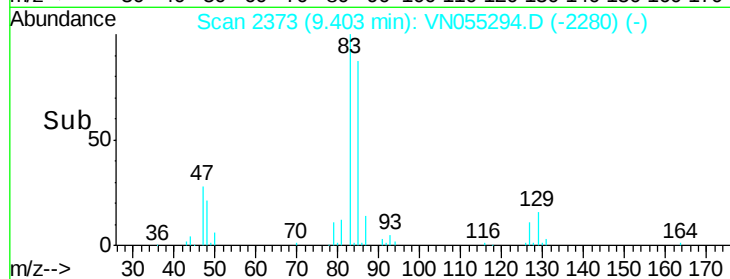
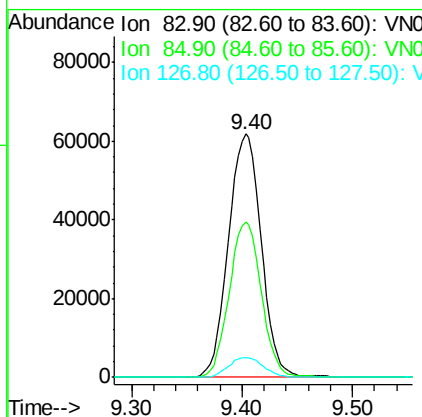
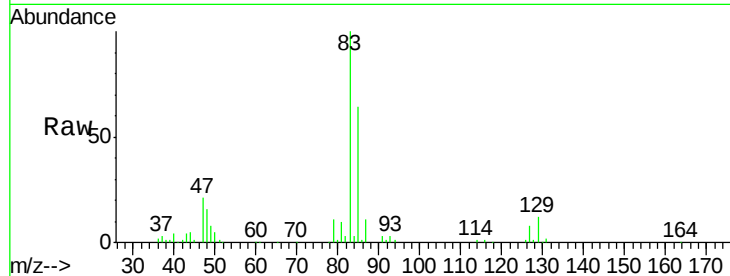
#47
Bromodichloromethane
Concen: 19.685 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion	83	Resp	127968
Ion Ratio	100		
Lower	50.1		
Upper	75.1		
85	63.7		
127	8.1		

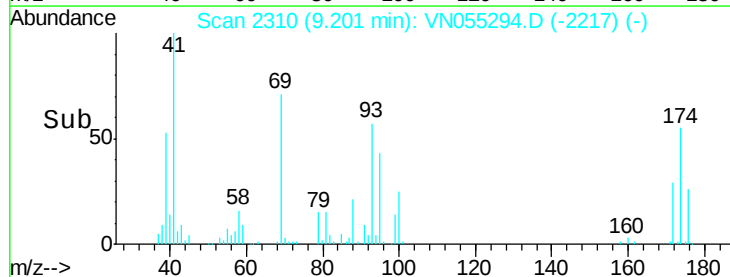
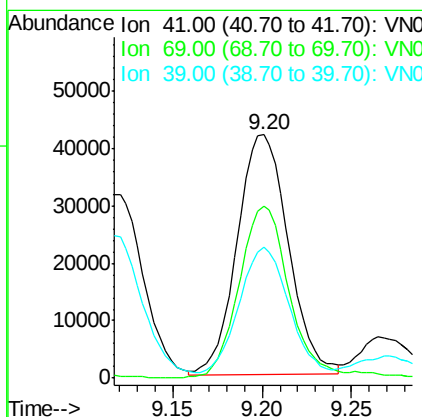
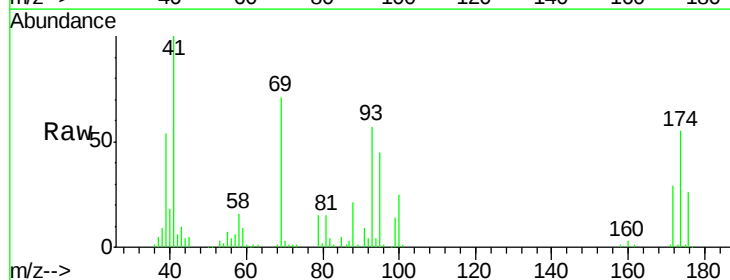
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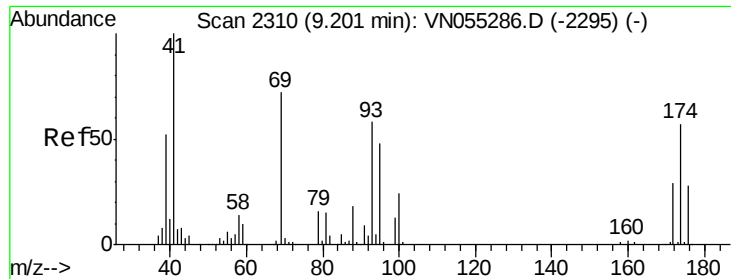
MMDadoda
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#48
Methyl methacrylate
Concen: 21.364 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	41	Resp	84344
Ion Ratio	100		
Lower	58.6		
Upper	87.8		
69	69.3		
39	53.1		





#49

1,4-Dioxane

Concen: 460.284 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

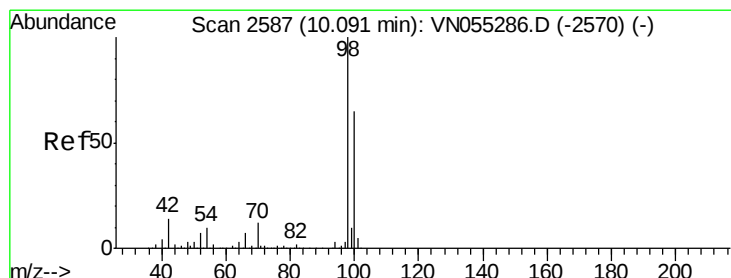
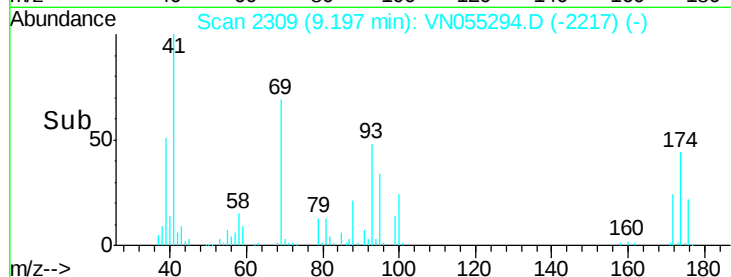
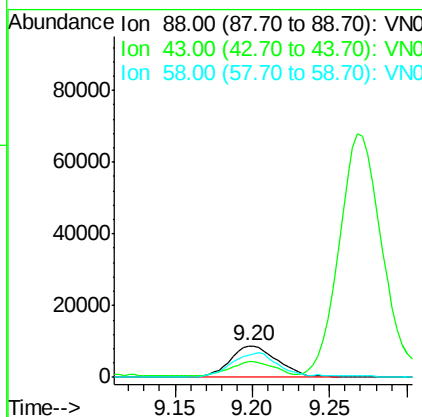
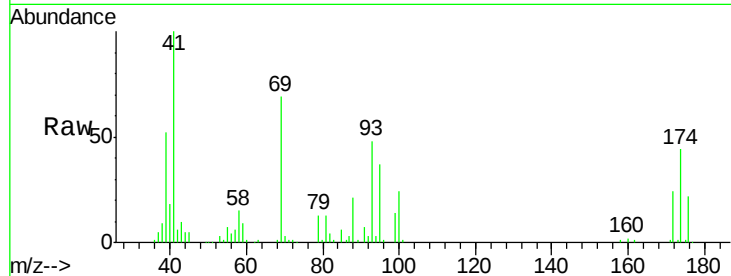
ClientSampleId :

VN0429WBSD01

Tot Ion:	88	Resp:	18785
Ion	Ratio	Lower	Upper
88	100		
43	40.2	33.3	49.9
58	75.4	62.7	94.1

Manual Integrations
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#50

Toluene-d8

Concen: 49.442 ug/l

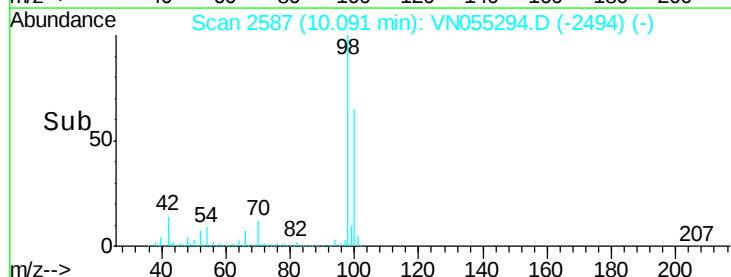
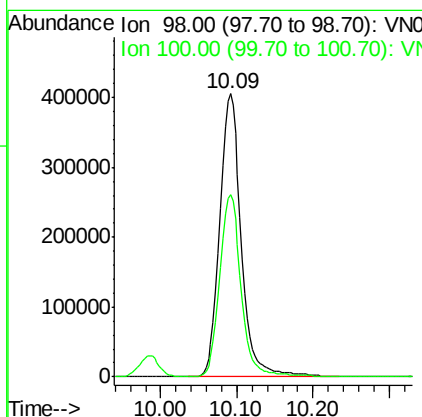
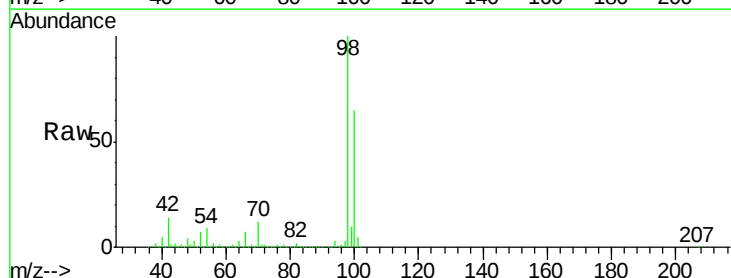
RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Tgt Ion:	98	Resp:	797672
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 107.776 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

Tot Ion: 43 Resp: 487309

Ion Ratio Lower Upper

43 100

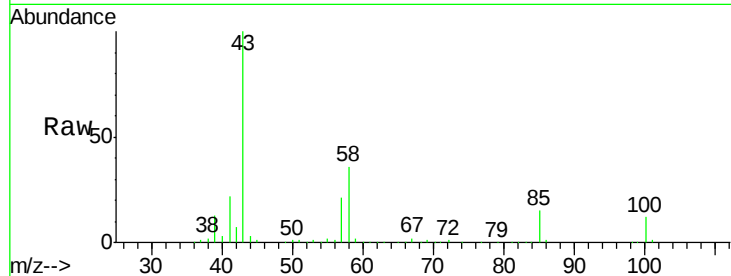
58 34.9 28.5 42.7

Manual Integrations

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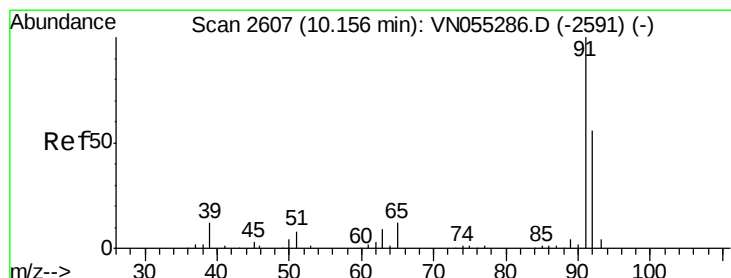
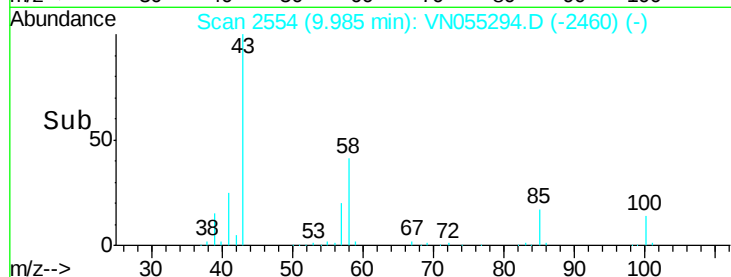
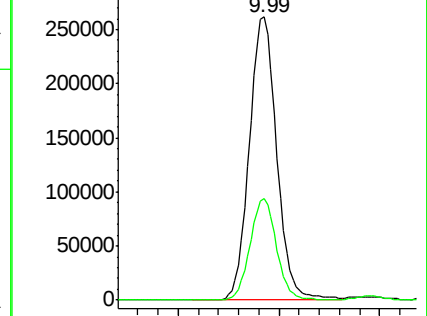
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.470 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055294.D

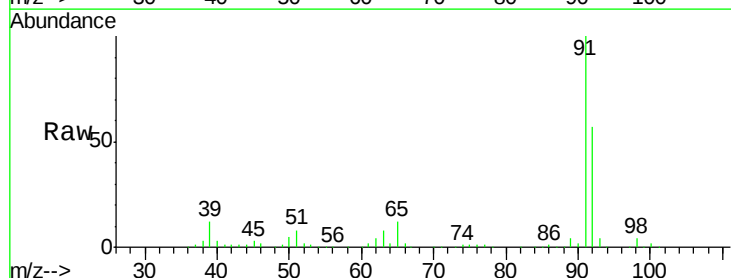
Acq: 29 Apr 2019 15:29

Tgt Ion: 92 Resp: 225759

Ion Ratio Lower Upper

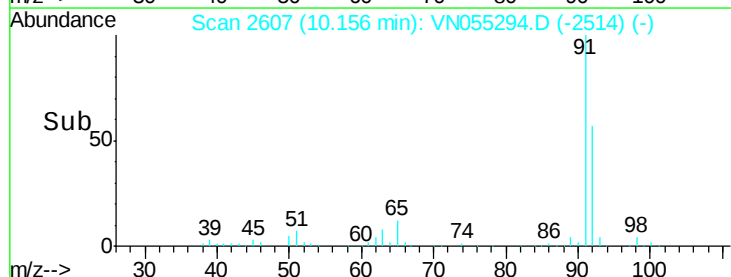
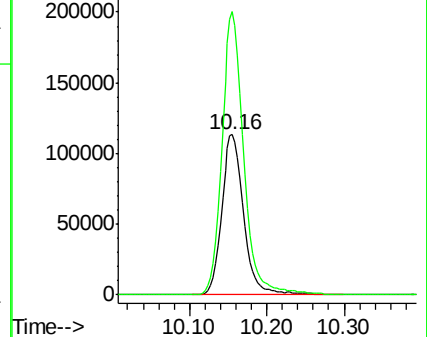
92 100

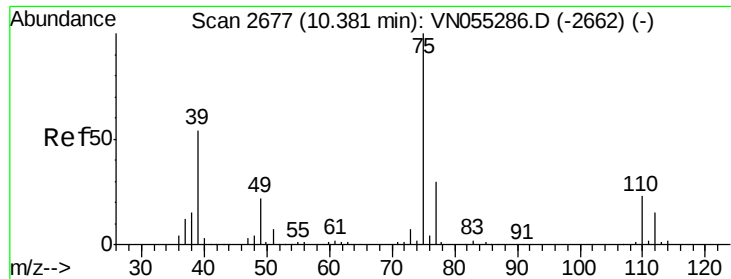
91 174.8 140.1 210.1



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: 20.379 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

VN0429WBSD01

Tot Ion: 75 Resp: 115005

Ion Ratio Lower Upper

75 100

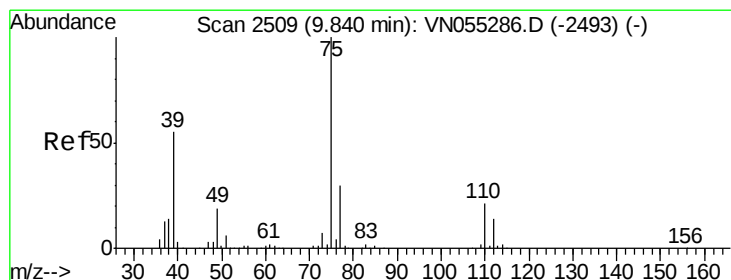
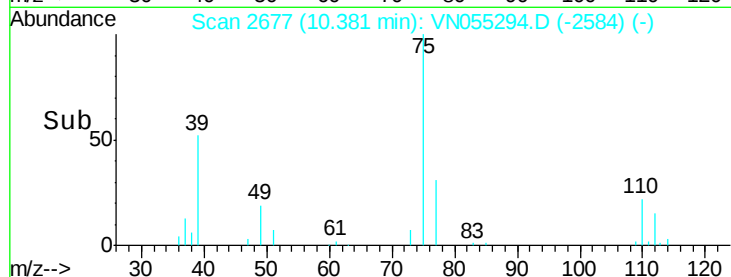
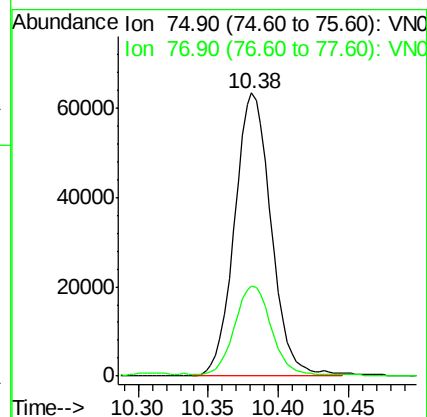
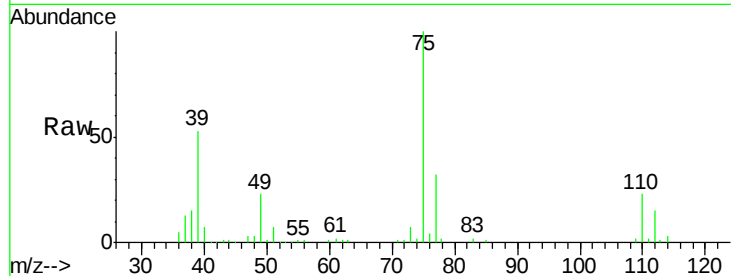
77 31.6 24.4 36.6

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#54

cis-1,3-Dichloropropene

Concen: 20.362 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

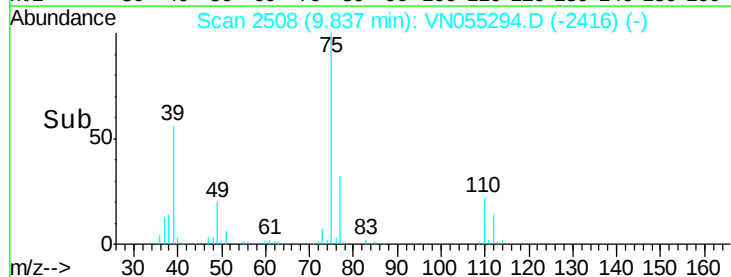
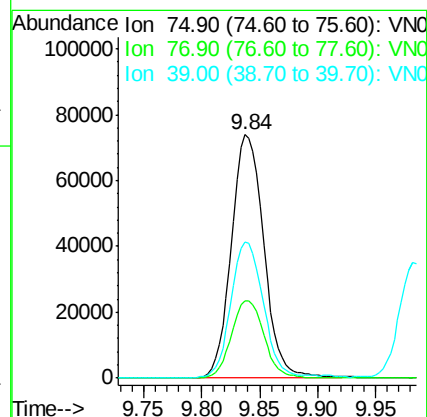
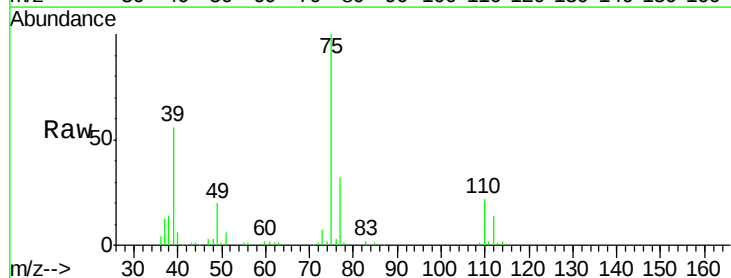
Tgt Ion: 75 Resp: 143271

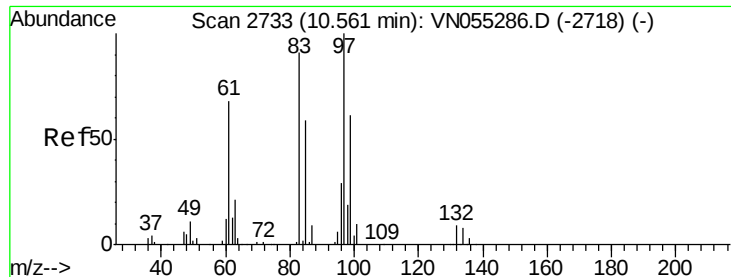
Ion Ratio Lower Upper

75 100

77 31.9 24.2 36.2

39 55.7 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 20.519 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

Tot Ion: 97 Resp: 84035

Ion Ratio Lower Upper

97 100

83 90.8 72.8 109.2

85 57.4 47.0 70.6

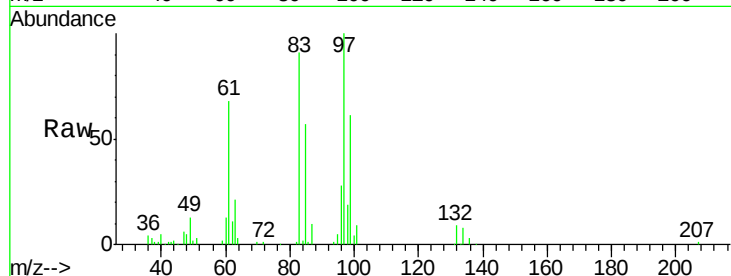
99 60.5 49.0 73.4

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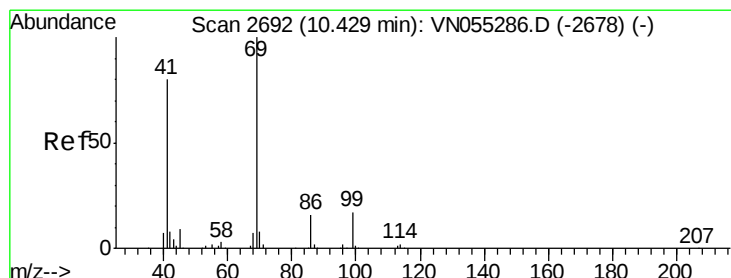
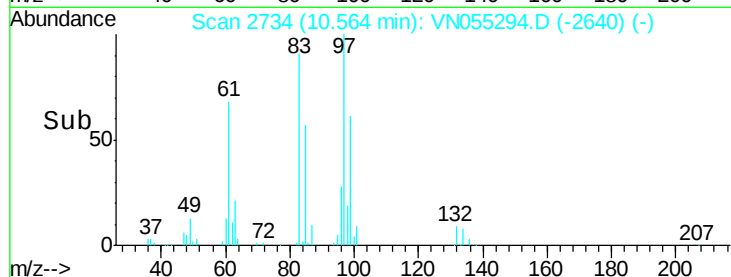
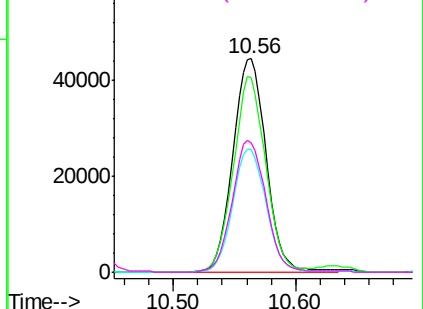


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.718 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

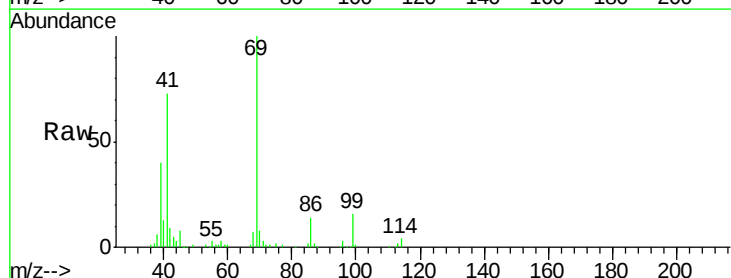
Tgt Ion: 69 Resp: 109474

Ion Ratio Lower Upper

69 100

41 74.6 62.7 94.1

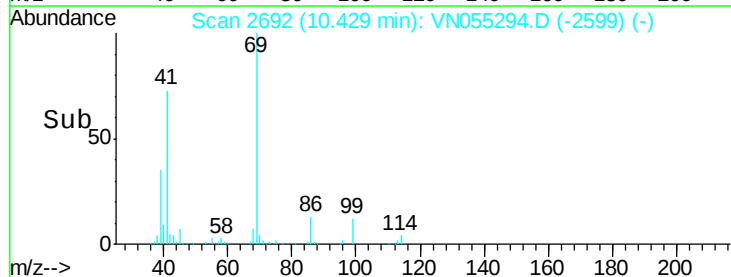
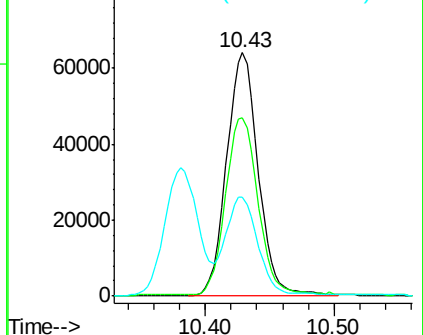
39 39.9 32.0 48.0

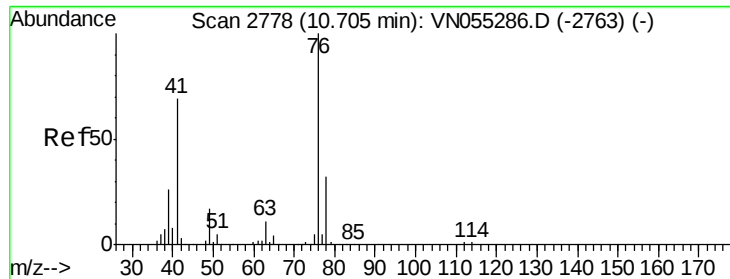


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.388 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

Tot Ion: 76 Resp: 146480

Ion Ratio Lower Upper

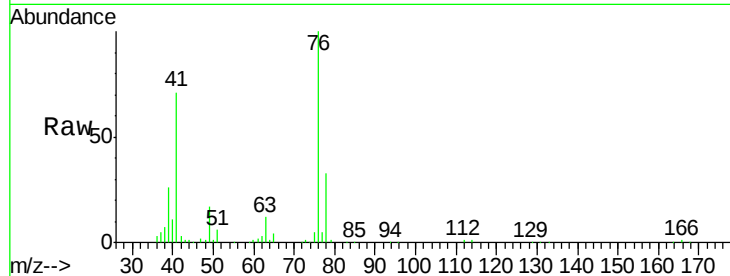
76 100

78 32.0 25.6 38.4

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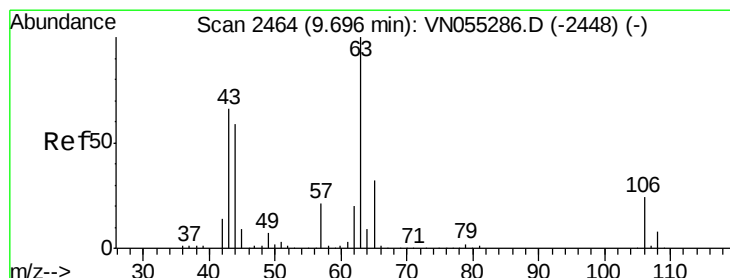
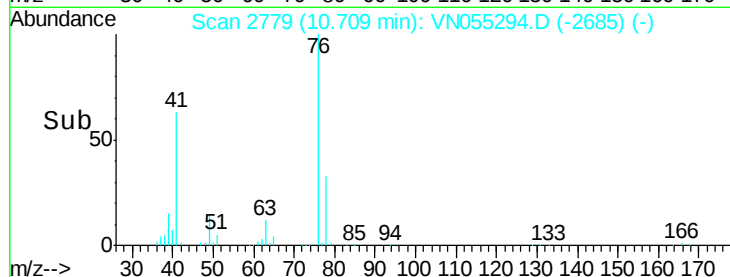
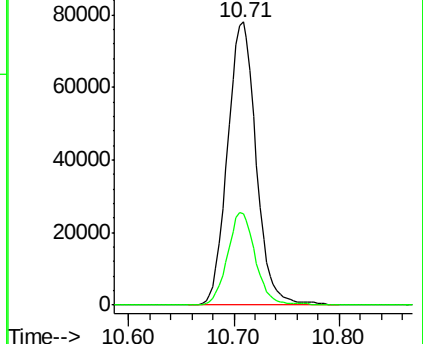
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.999 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055294.D

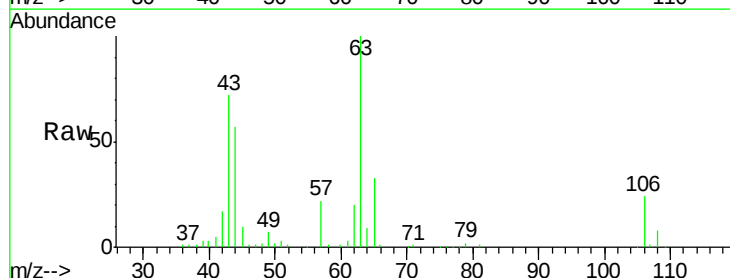
Acq: 29 Apr 2019 15:29

Tgt Ion: 63 Resp: 140895

Ion Ratio Lower Upper

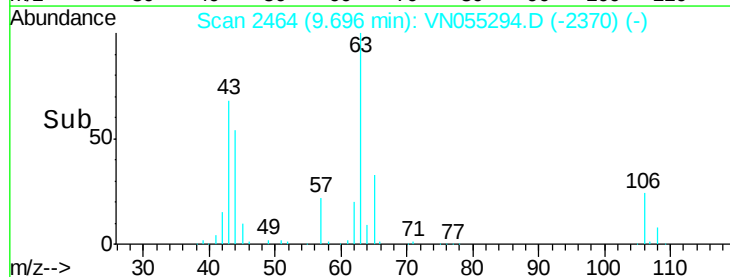
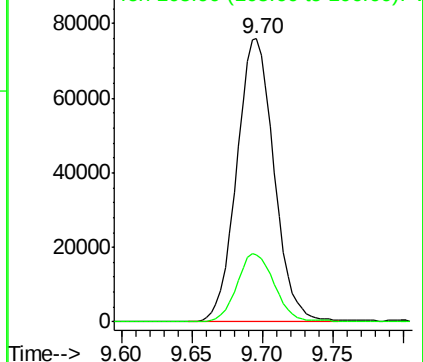
63 100

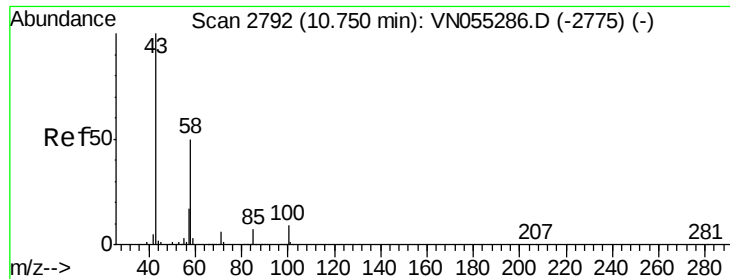
106 24.0 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





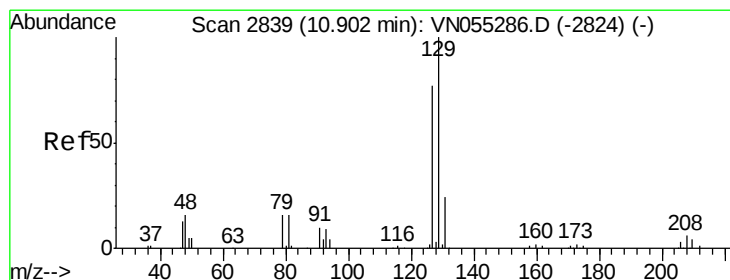
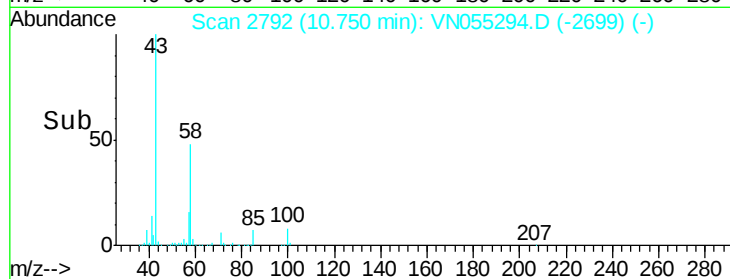
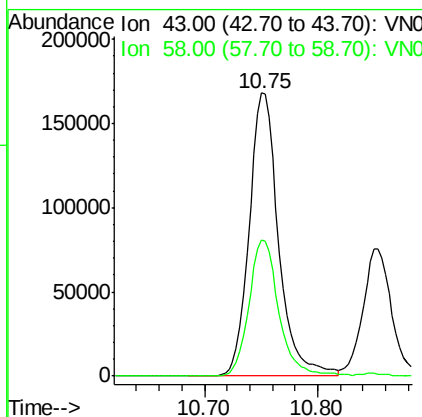
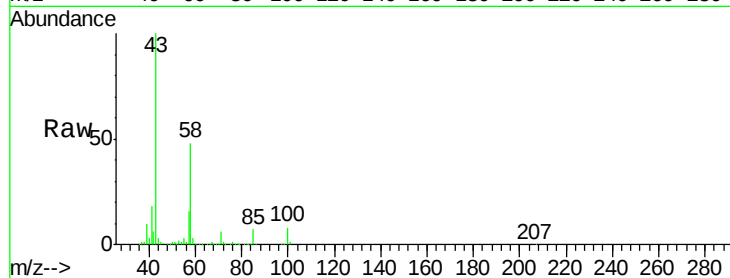
#59
2-Hexanone
Concen: 106.730 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion: 43 Resp: 301945
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6

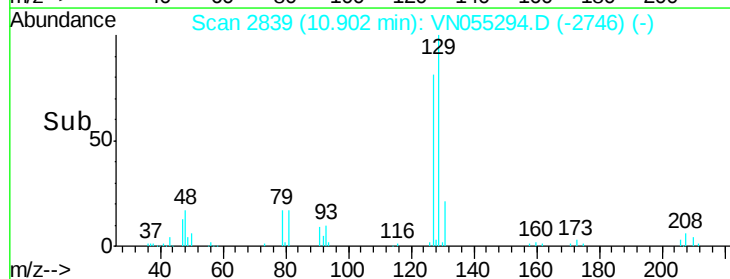
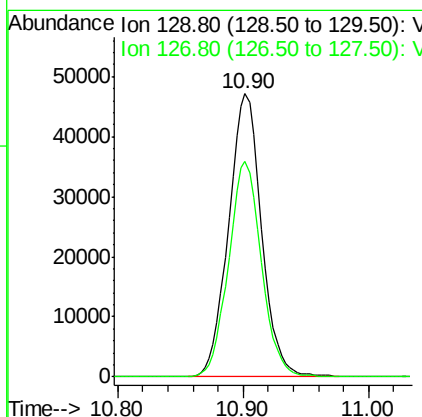
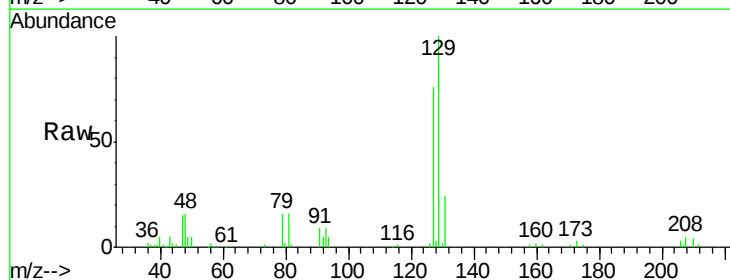
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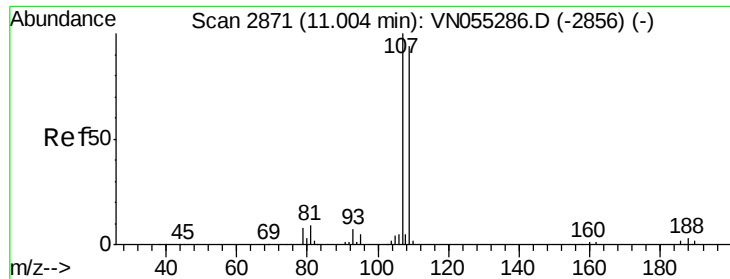
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4/30/2019 11:59:21 AM



#60
Dibromochloromethane
Concen: 20.520 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 129 Resp: 85890
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.5





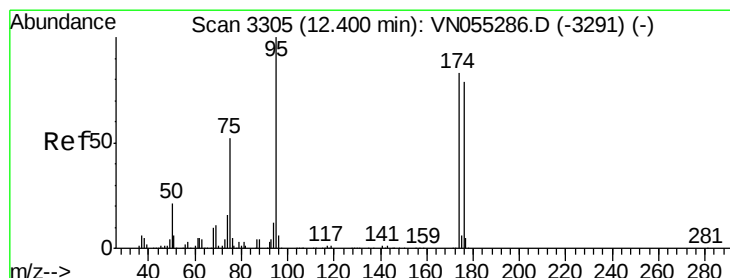
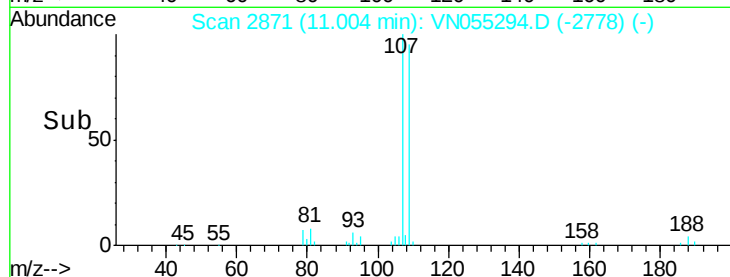
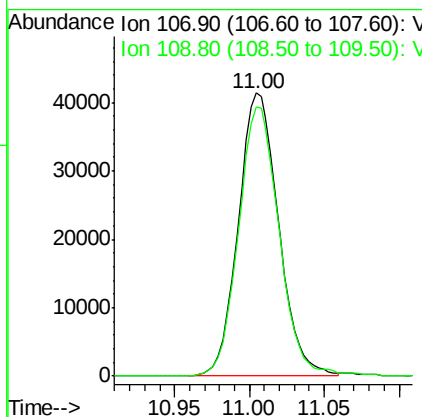
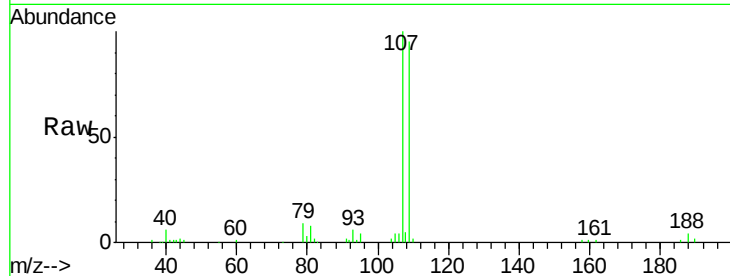
#61
 1,2-Dibromoethane
 Concen: 20.491 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Tot Ion: 107 Resp: 77566
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.0 112.6

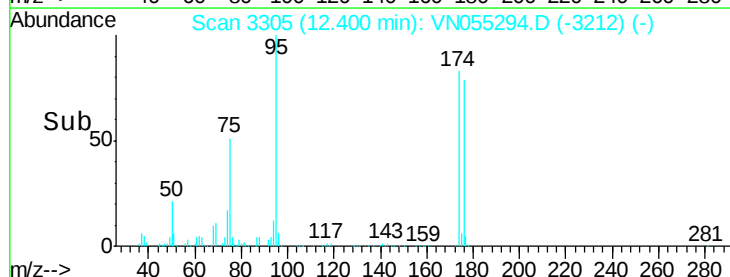
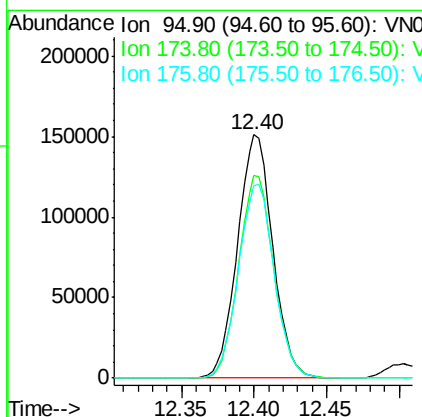
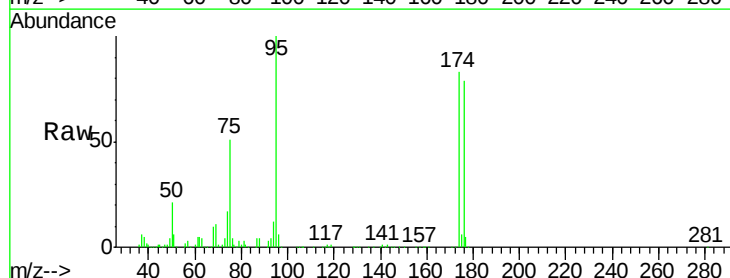
Manual Integrations
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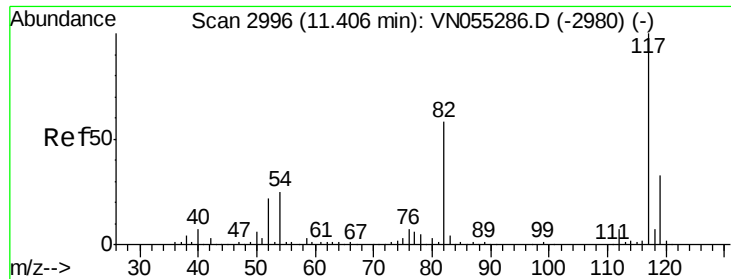
MMDadoda
 4/30/2019 11:59:21 AM



#62
 4-Bromofluorobenzene
 Concen: 50.565 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion: 95 Resp: 254966
 Ion Ratio Lower Upper
 95 100
 174 83.1 0.0 166.6
 176 81.1 0.0 157.8





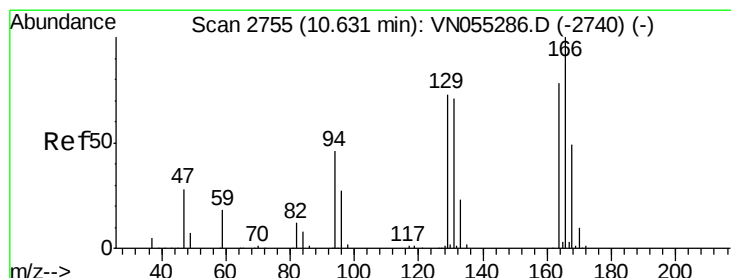
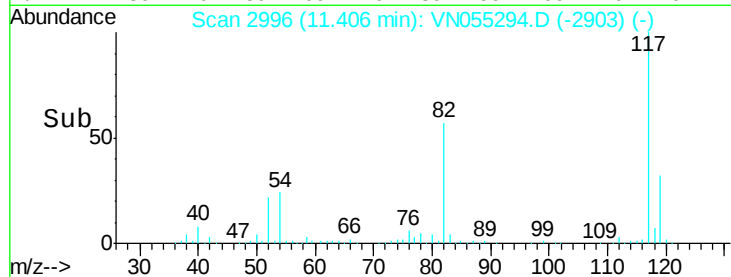
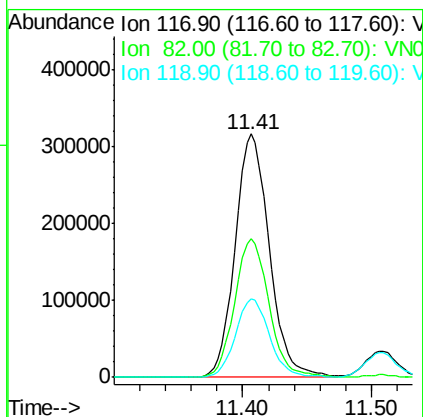
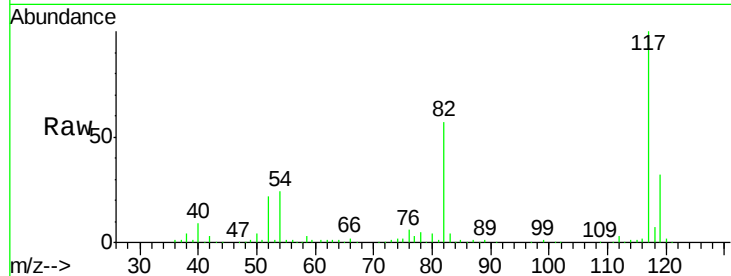
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.2	69.4
119	32.4	26.6	40.0

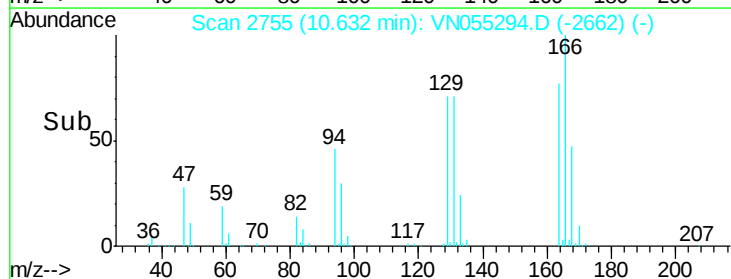
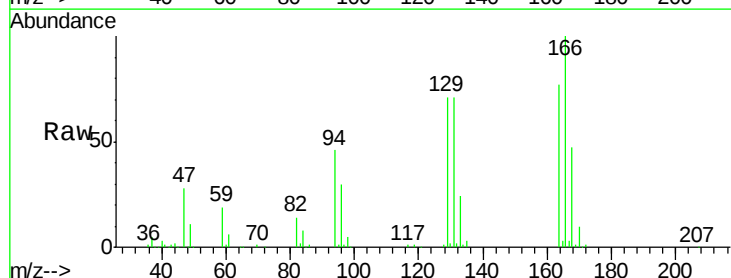
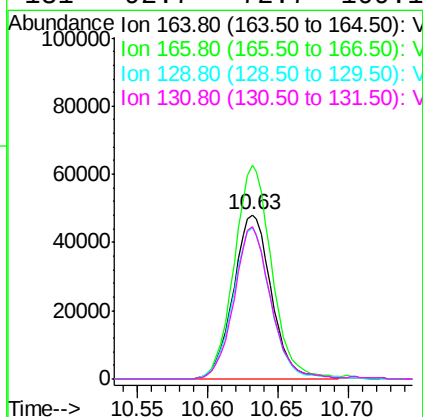
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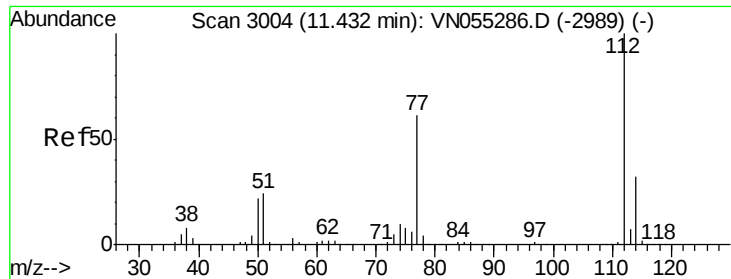
MMDadoda
4/30/2019 11:59:21 AM



#64
Tetrachloroethene
Concen: 18.980 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.3	153.5
129	91.9	75.0	112.6
131	92.7	72.7	109.1





#65

Chlorobenzene

Concen: 19.904 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

VN0429WBSD01

Tot Ion:112 Resp: 227770

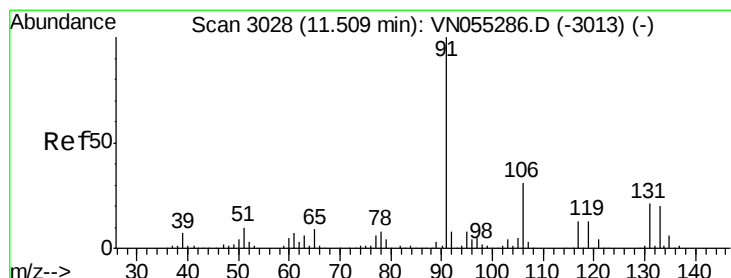
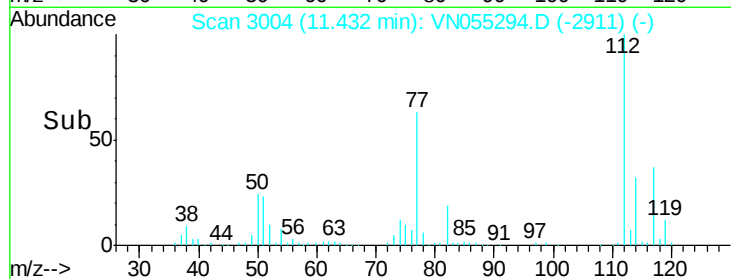
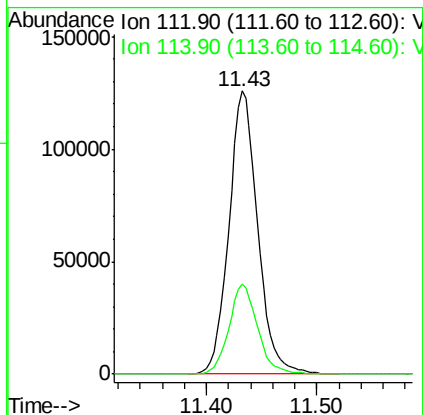
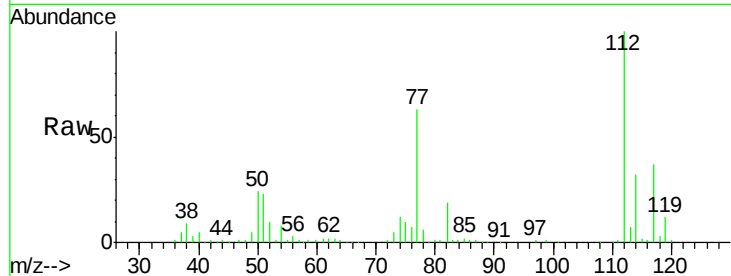
Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.494 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

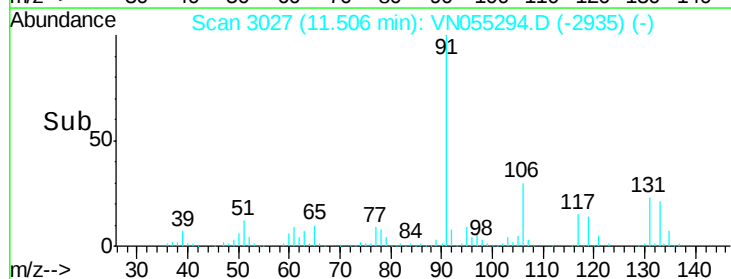
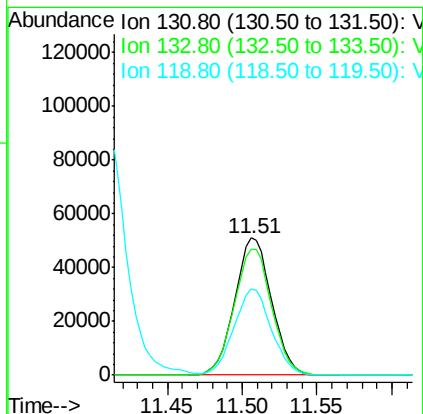
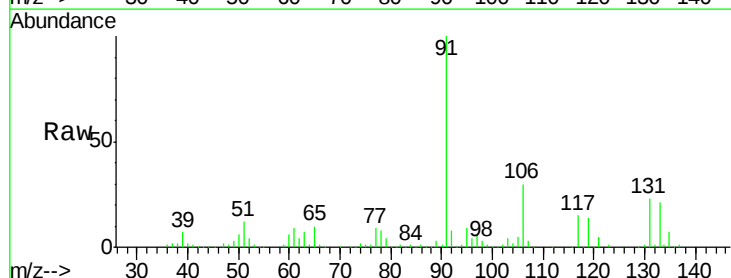
Tgt Ion:131 Resp: 87350

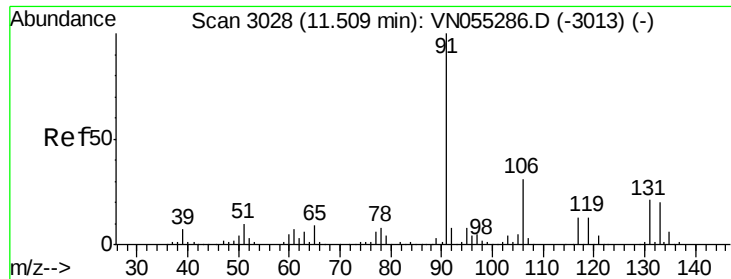
Ion Ratio Lower Upper

131 100

133 93.9 47.5 142.6

119 63.9 32.7 98.1





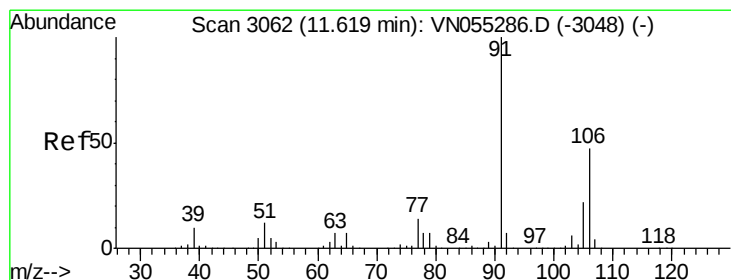
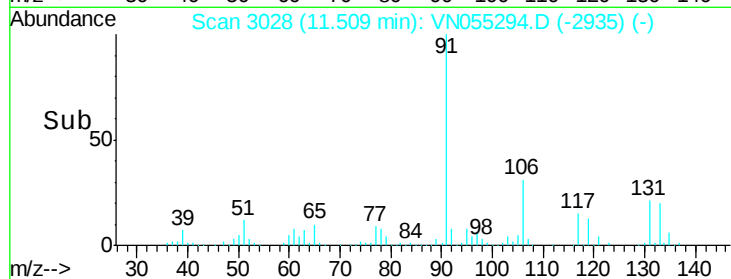
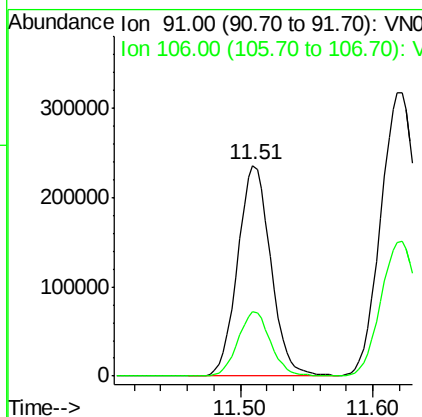
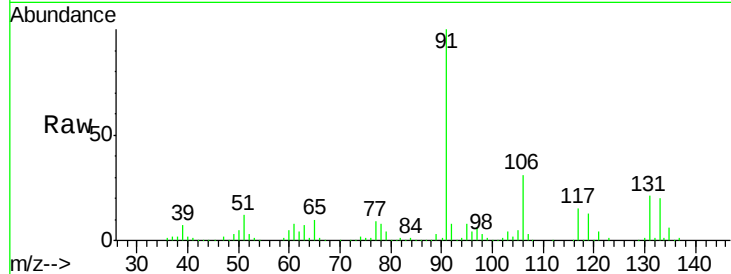
#67
Ethyl Benzene
Concen: 19.829 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampled :
VN0429WBSD01

Tot Ion: 91 Resp: 409751
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

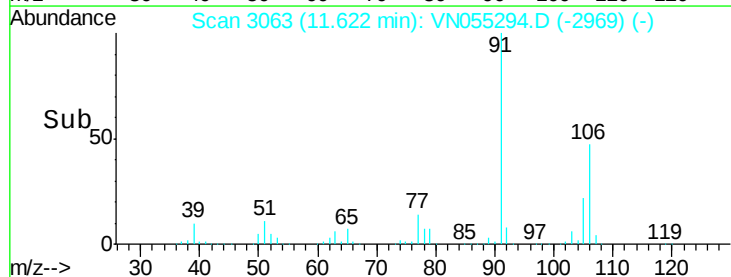
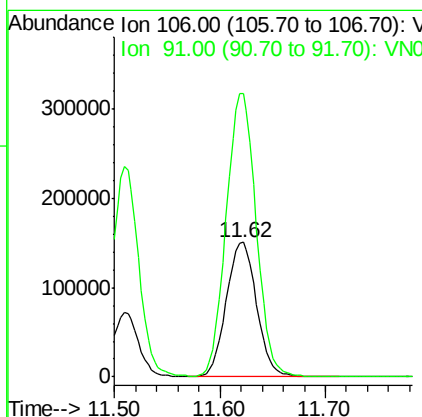
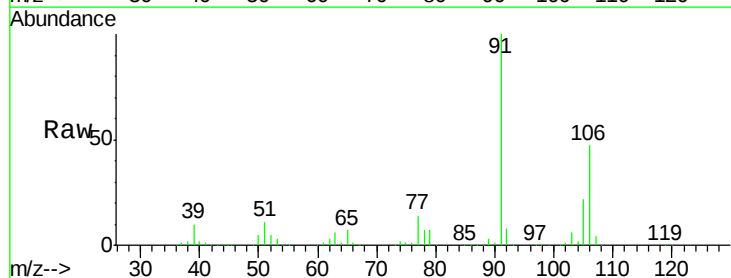
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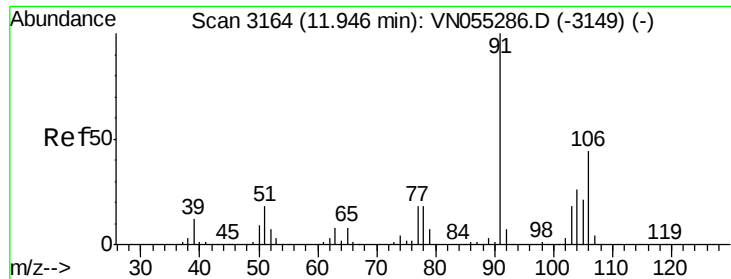
MMDadoda
4/30/2019 11:59:21 AM



#68
m/p-Xylenes
Concen: 40.677 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion: 106 Resp: 300034
Ion Ratio Lower Upper
106 100
91 208.2 169.5 254.3





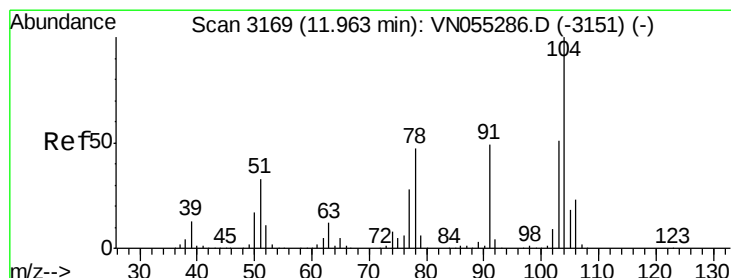
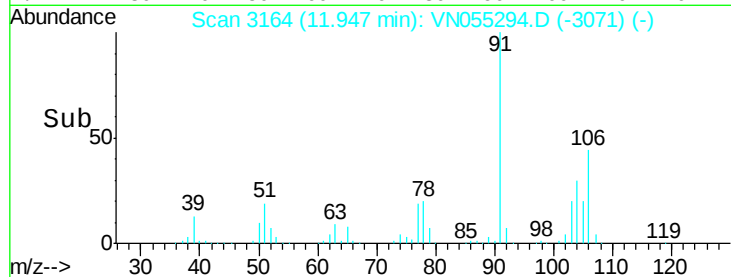
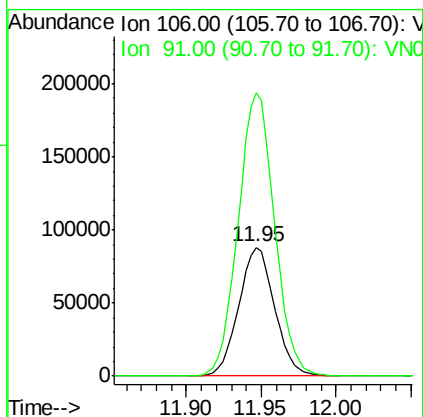
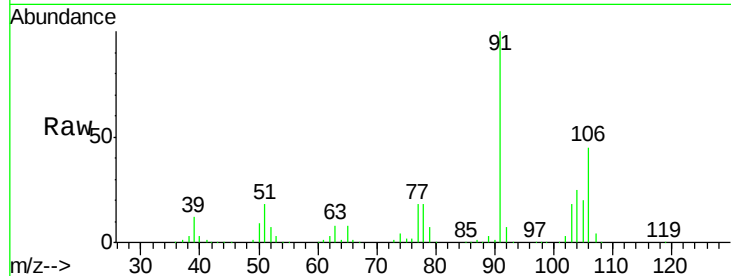
#69
o-Xylene
Concen: 20.115 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion:106 Resp: 147060
Ion Ratio Lower Upper
106 100
91 222.8 111.5 334.5

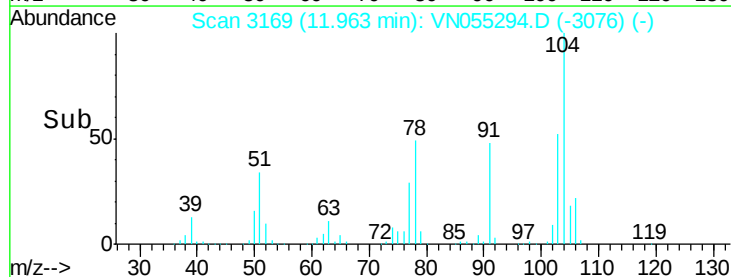
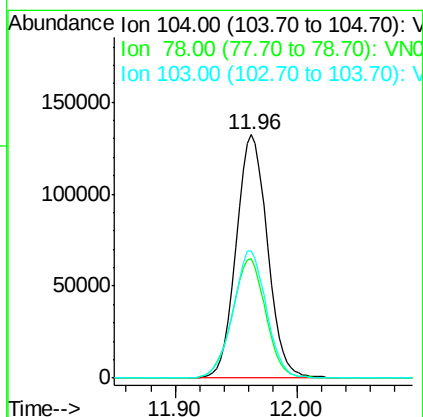
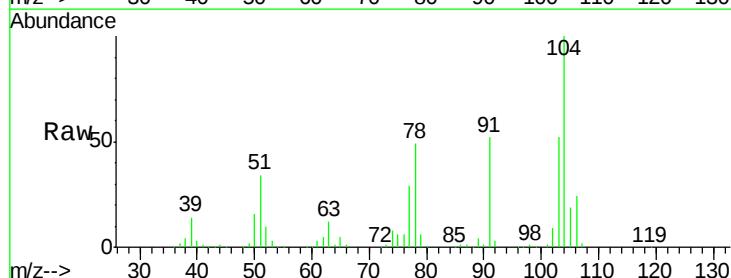
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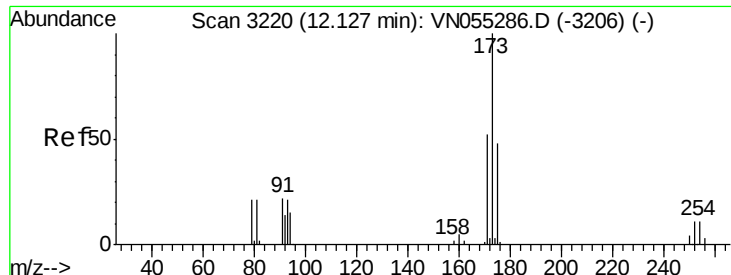
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#70
Styrene
Concen: 20.907 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion:104 Resp: 234683
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 55.7 44.6 67.0





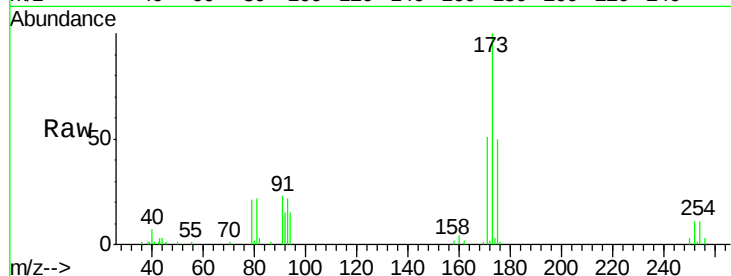
#71
Bromoform
Concen: 20.745 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

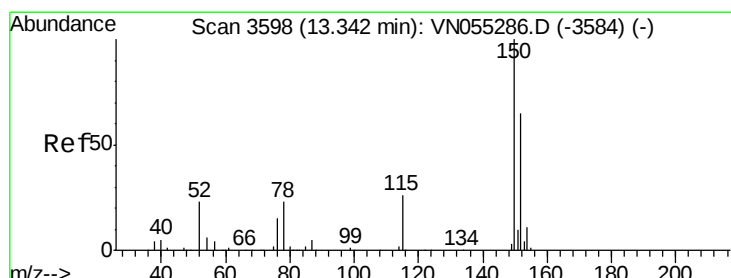
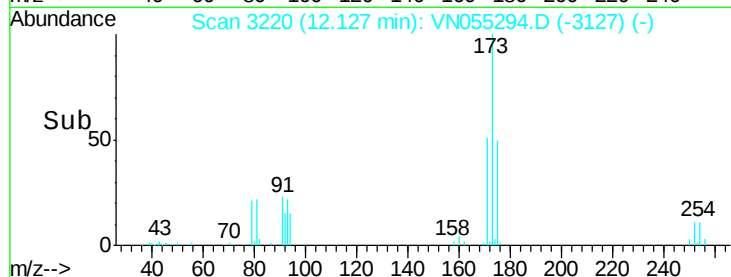
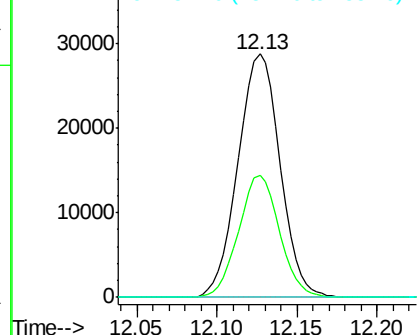
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.6	71.0
254	0.0	0.0	0.0

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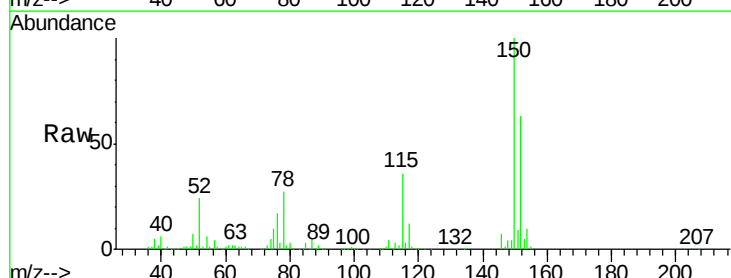


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

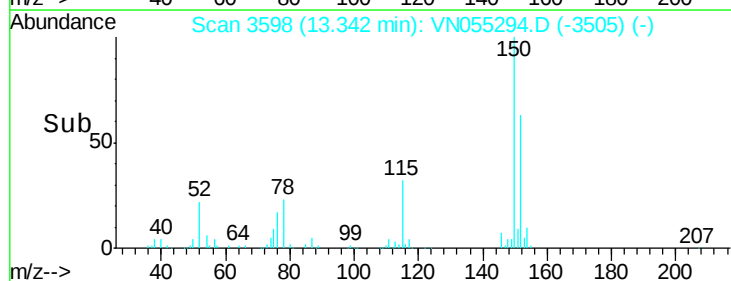
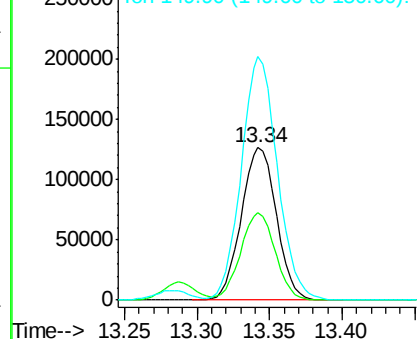


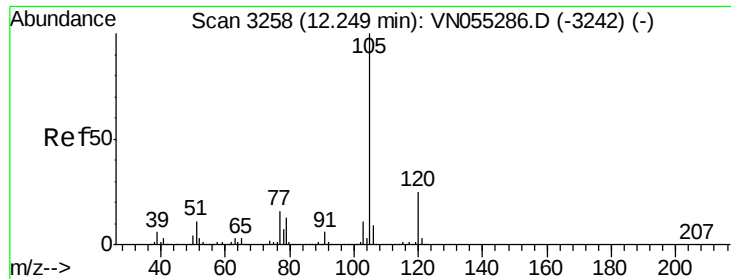
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	29.0	87.0
150	163.1	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





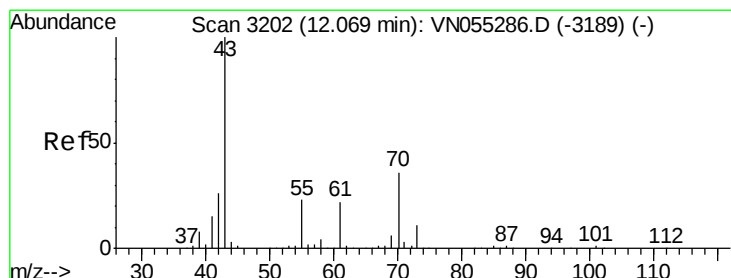
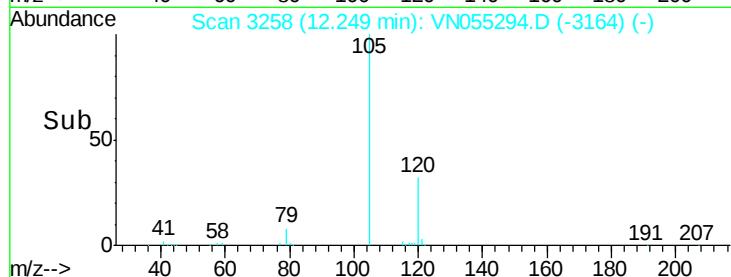
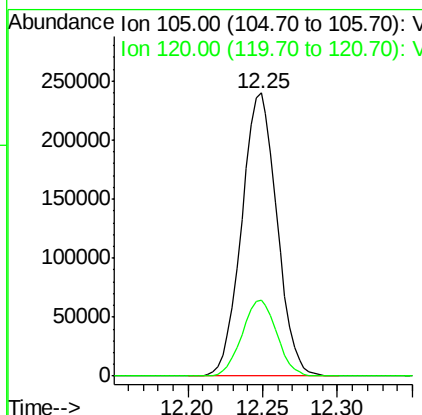
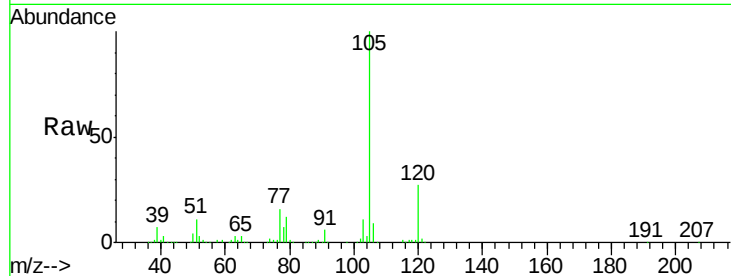
#73
Isopropylbenzene
Concen: 21.388 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampled :
VN0429WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	12.9	38.7

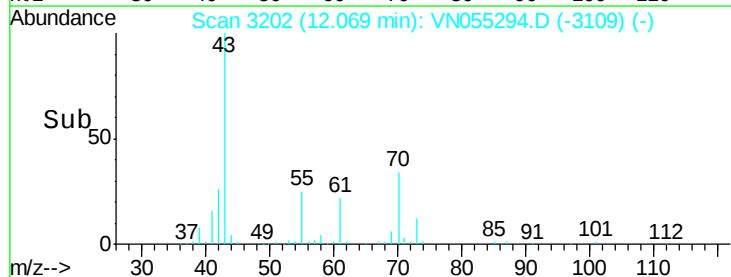
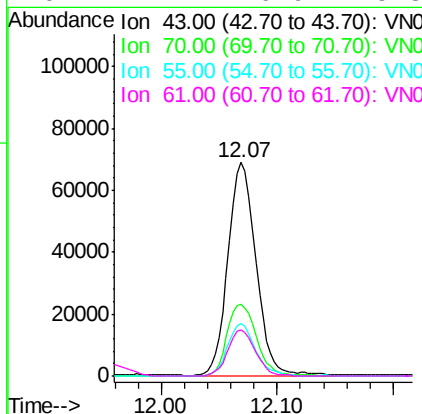
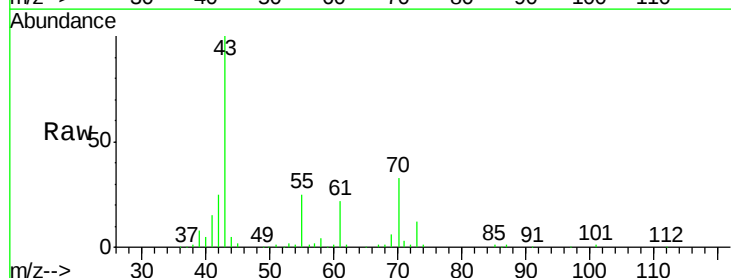
Manual Integrations
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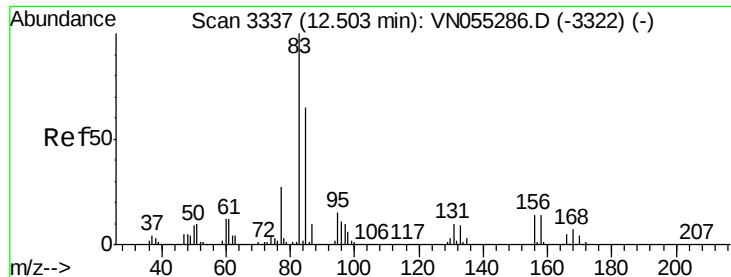
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4/30/2019 11:59:21 AM



#74
N-ethyl acetate
Concen: 21.046 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.4	27.9	41.9
55	24.4	18.2	27.2
61	21.2	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 23.126 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

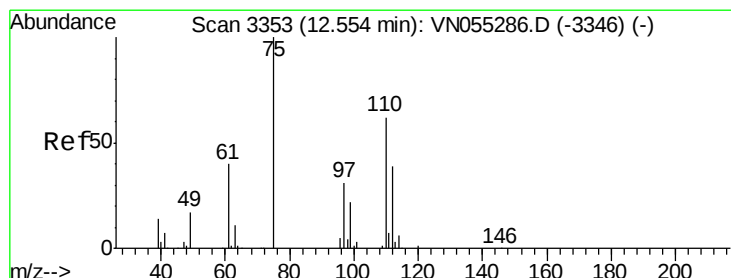
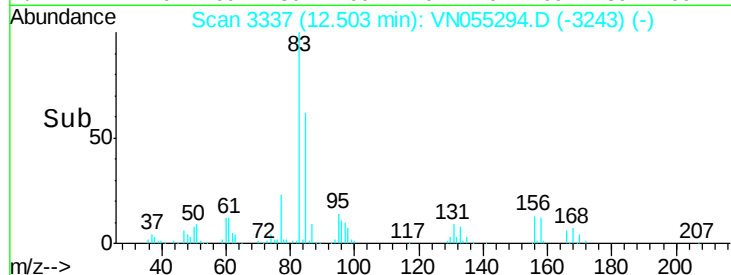
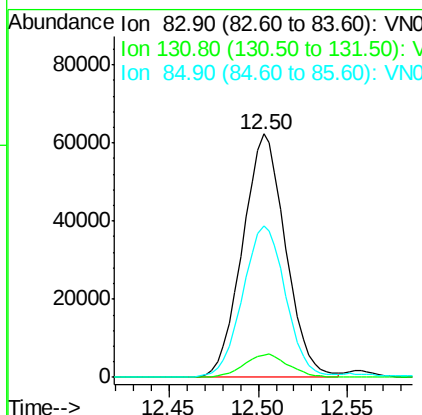
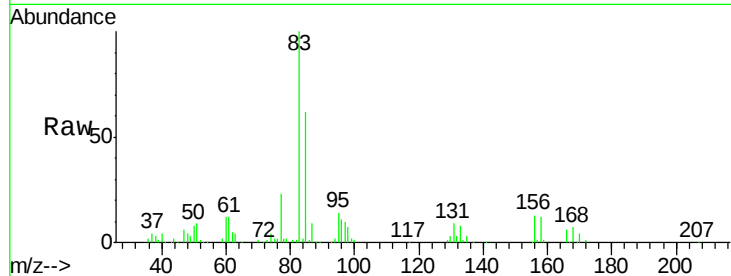
ClientSampleId :

VN0429WBSD01

Tot Ion:	83	Resp:	104960
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	62.2	32.3	96.8

Manual Integrations
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4/30/2019 11:59:21 AM



#76

1,2,3-Trichloropropane

Concen: 21.034 ug/l m

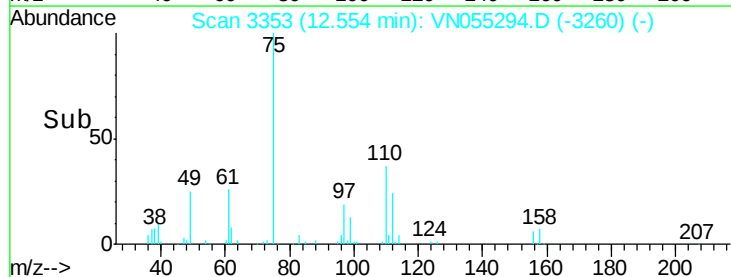
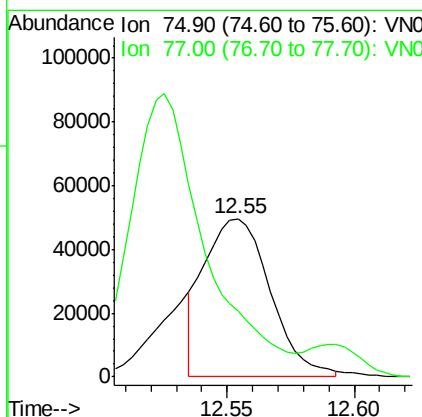
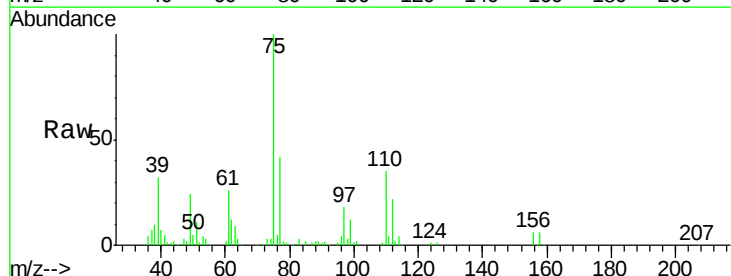
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Tgt Ion:	75	Resp:	89178
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.821 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

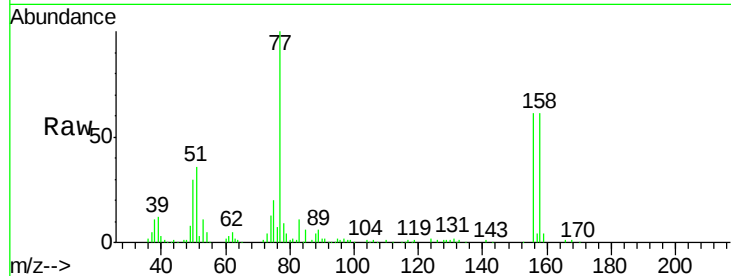
ClientSampleId :

VN0429WBSD01

Tot Ion:	156	Resp:	93850
Ion Ratio	Lower	Upper	
156	100		
77	195.4	99.6	298.8
158	98.8	49.3	147.8

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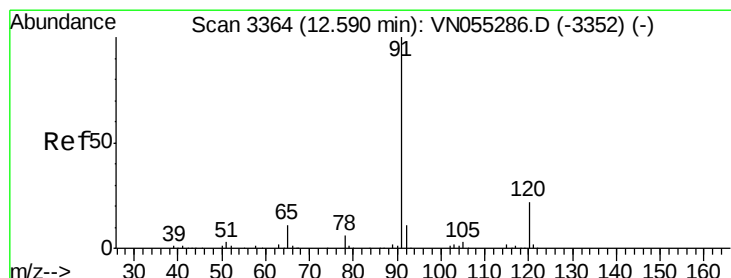
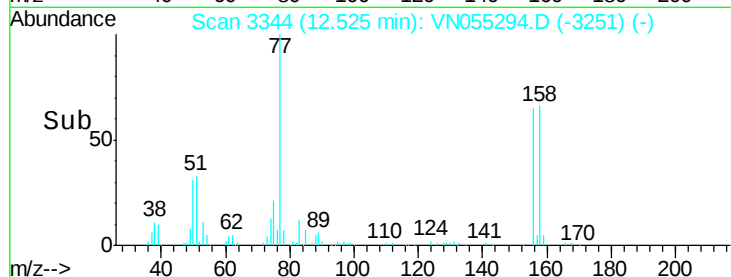
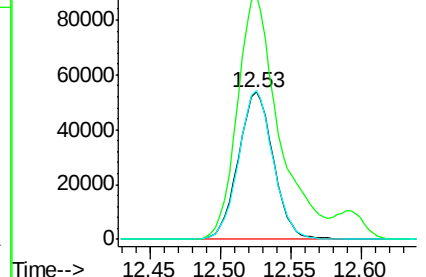
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.161 ug/l

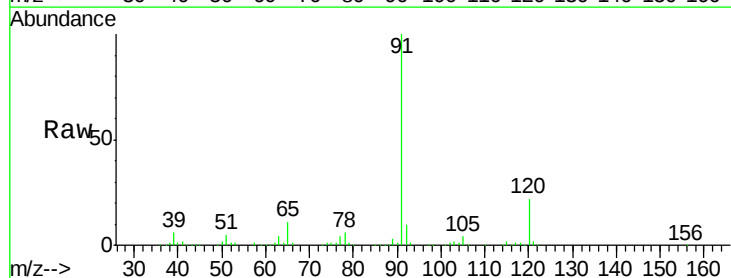
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055294.D

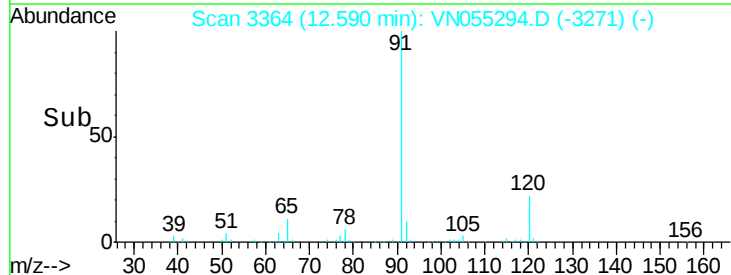
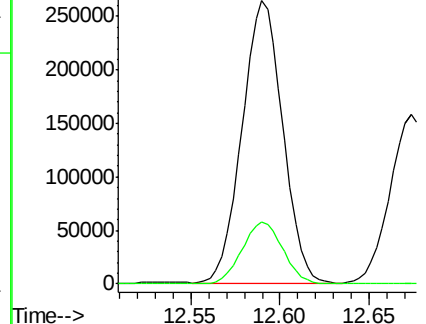
Acq: 29 Apr 2019 15:29

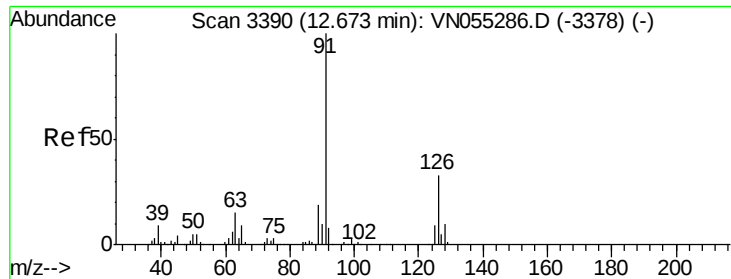
Tgt Ion:	91	Resp:	419834
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.177 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

VN0429WBSD01

Tot Ion: 91 Resp: 262555

Ion Ratio Lower Upper

91 100

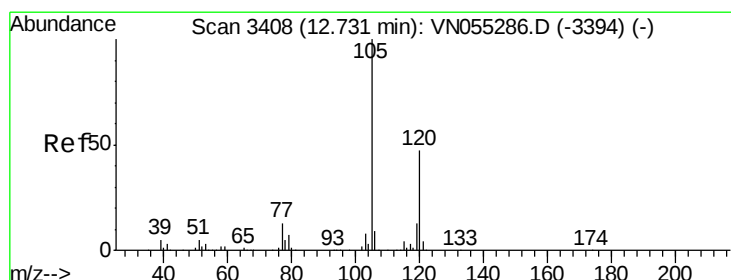
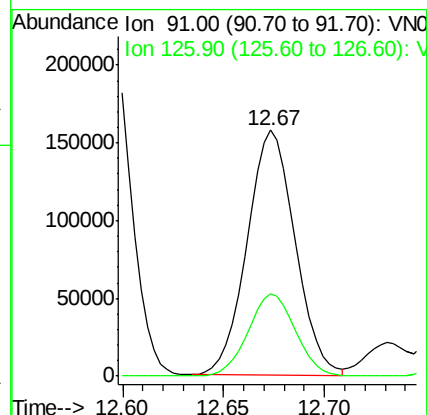
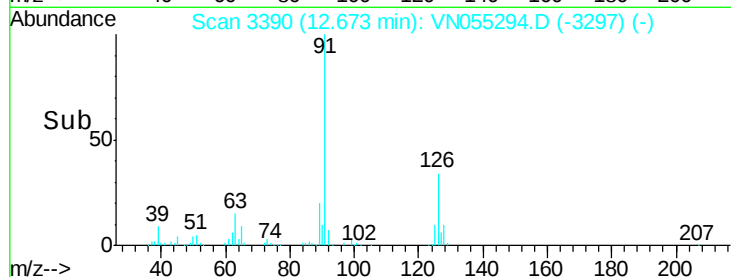
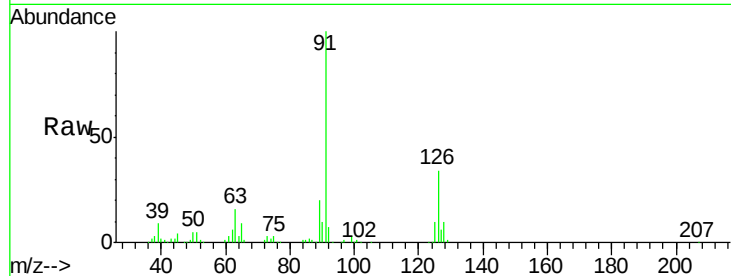
126 33.2 16.6 49.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.894 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055294.D

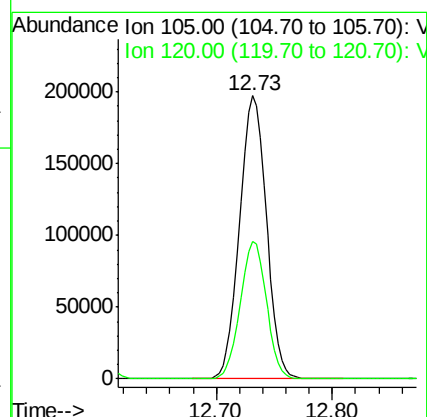
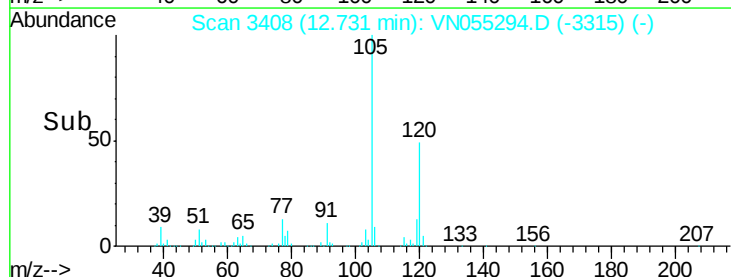
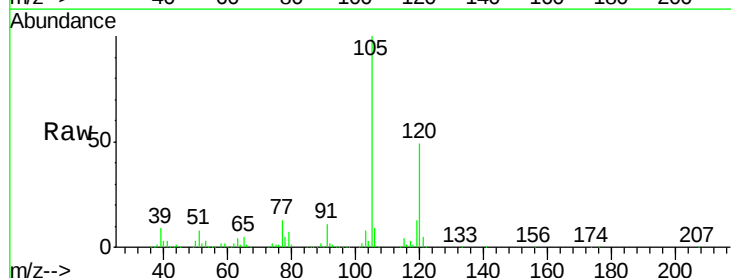
Acq: 29 Apr 2019 15:29

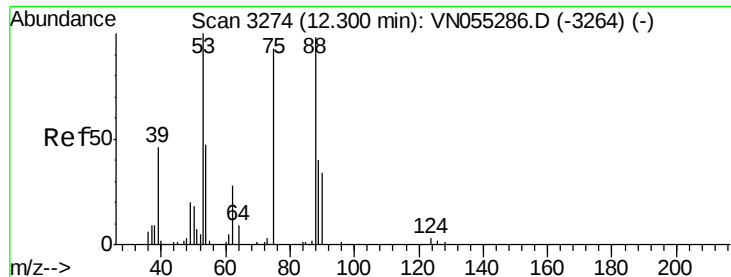
Tgt Ion: 105 Resp: 315949

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0





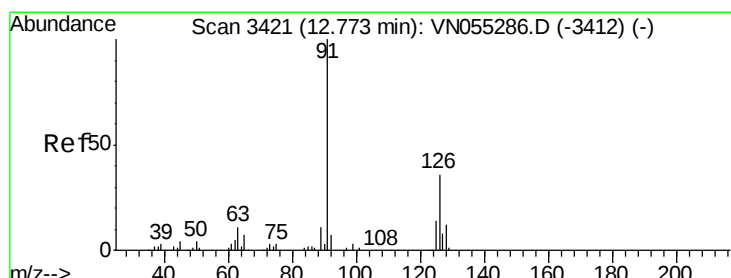
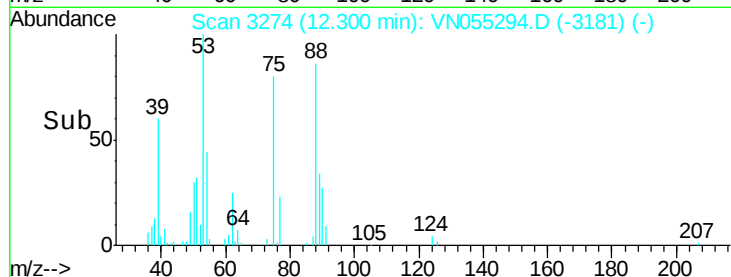
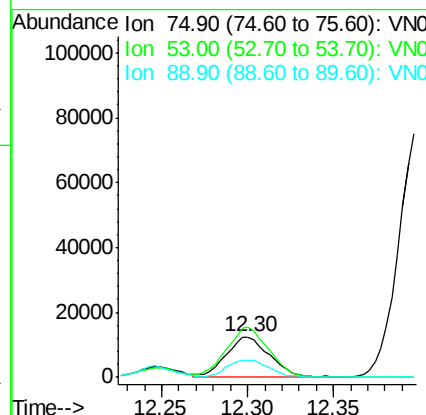
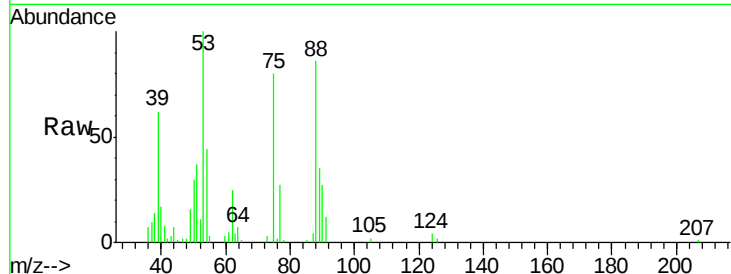
#81
trans-1,4-Dichloro-2-butene
Concen: 19.752 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.5	86.3	129.5
89	41.9	34.6	51.8

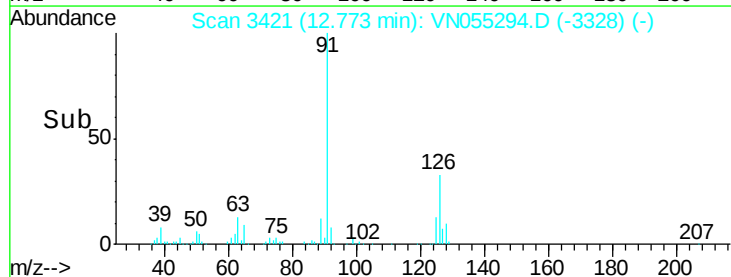
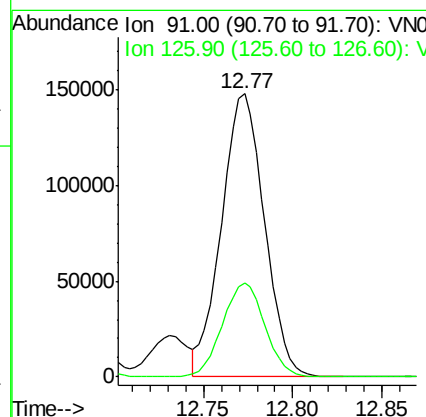
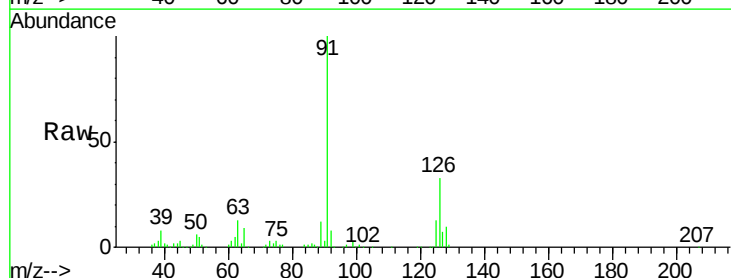
Manual Integrations
APPROVED

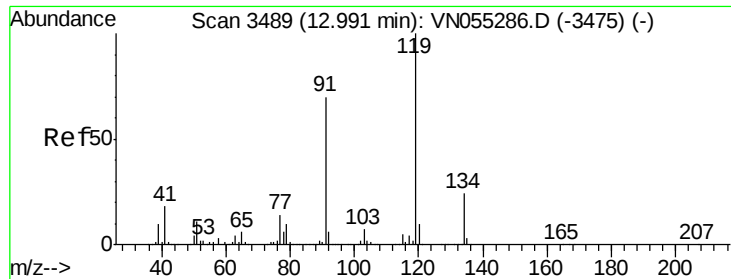
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#82
4-Chlorotoluene
Concen: 19.258 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.6	49.7





#83

tert-Butylbenzene

Concen: 21.291 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

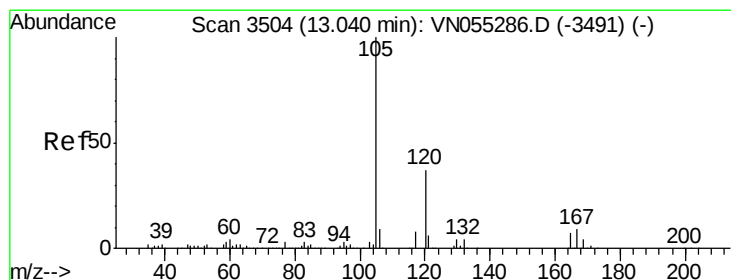
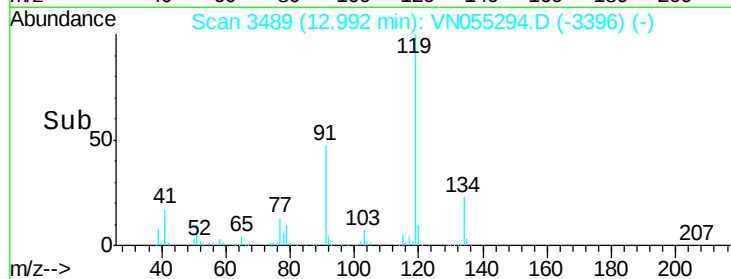
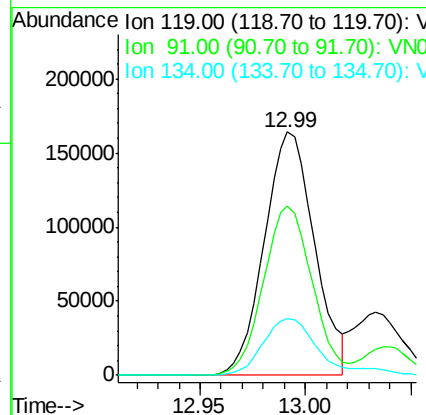
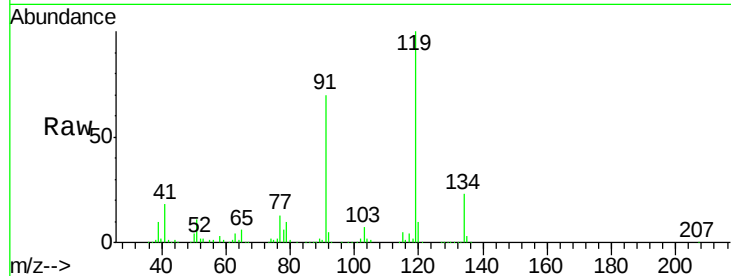
ClientSampled :

VN0429WBSD01

Tot Ion:	119	Resp:	271796
Ion Ratio	Lower	Upper	
119	100		
91	67.6	34.3	102.9
134	26.3	13.1	39.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.014 ug/l

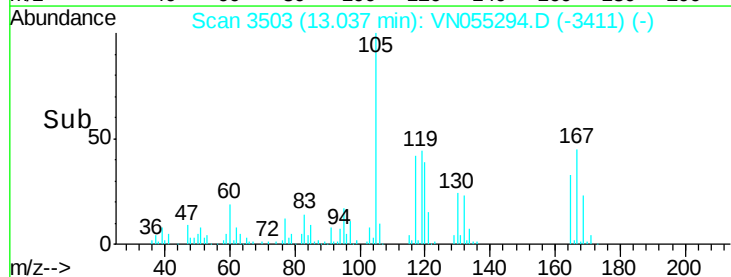
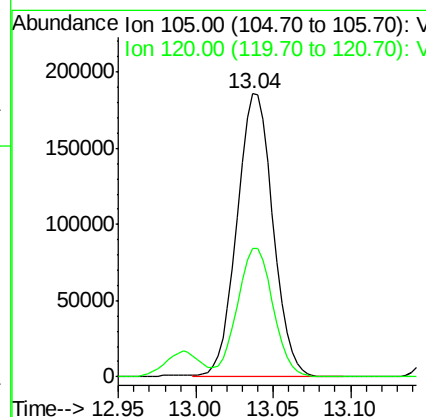
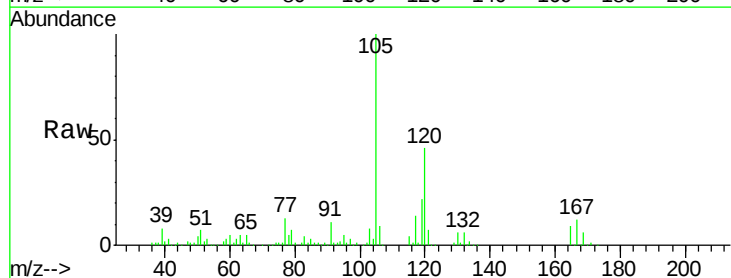
RT: 13.04 min Scan# 3503

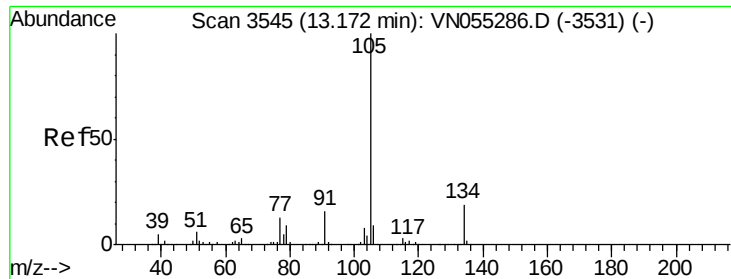
Delta R.T. -0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Tgt Ion:	105	Resp:	299318
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.1	66.5





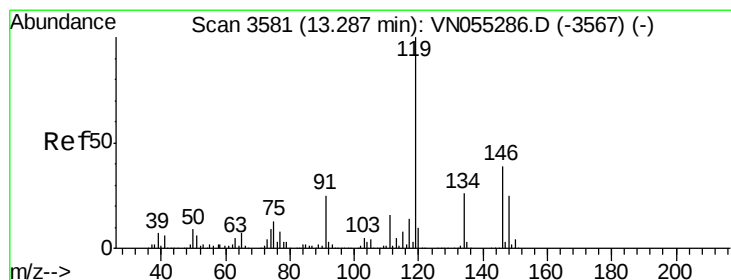
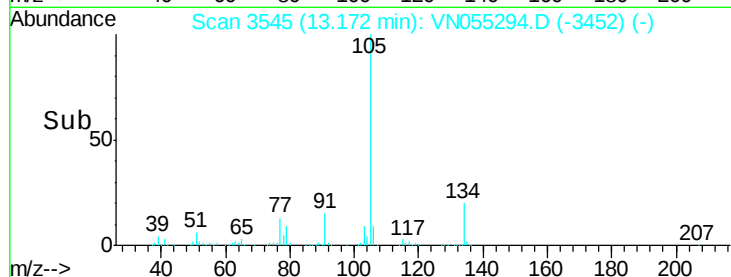
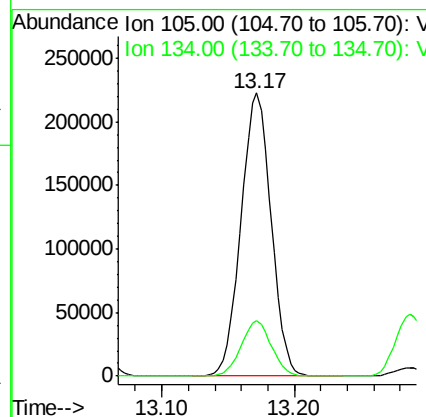
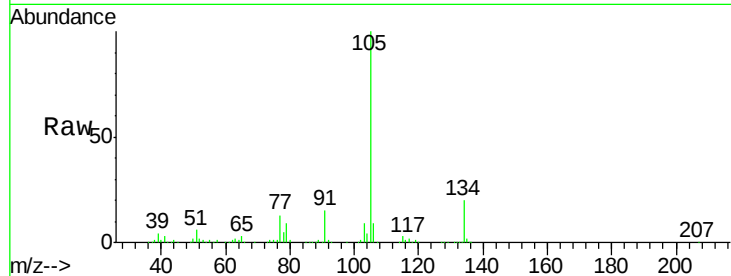
#85
 sec-Butylbenzene
 Concen: 19.300 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	350795		
134	19.6	9.6	28.8	

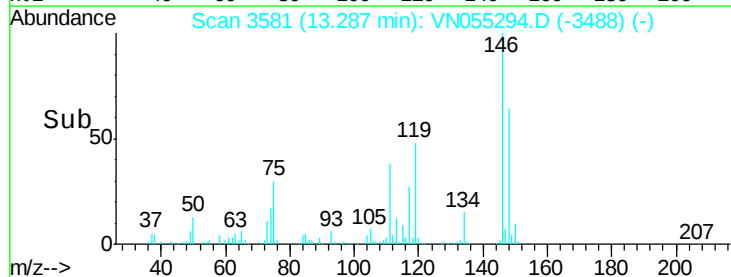
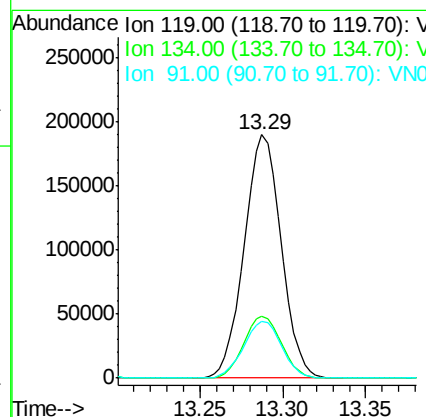
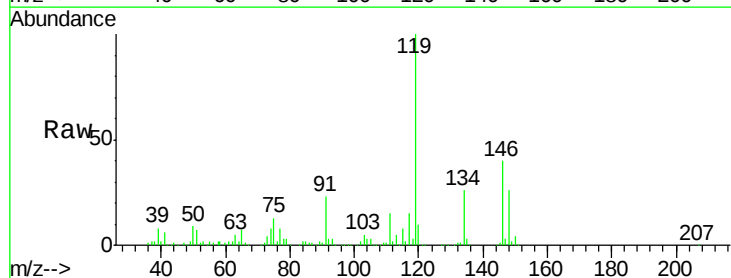
Manual Integrations
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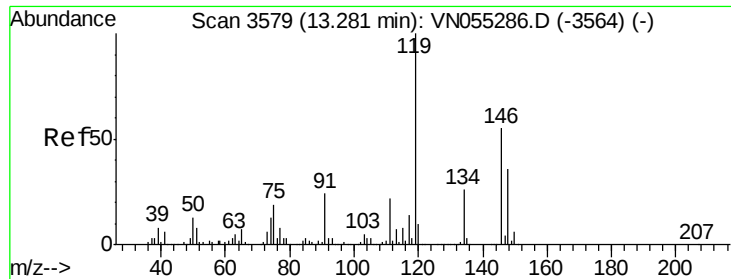
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#86
 p-Isopropyltoluene
 Concen: 19.614 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	293011		
134	26.3	13.0	38.9	
91	24.3	12.2	36.6	





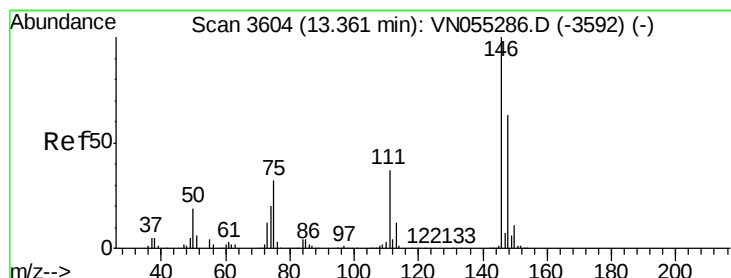
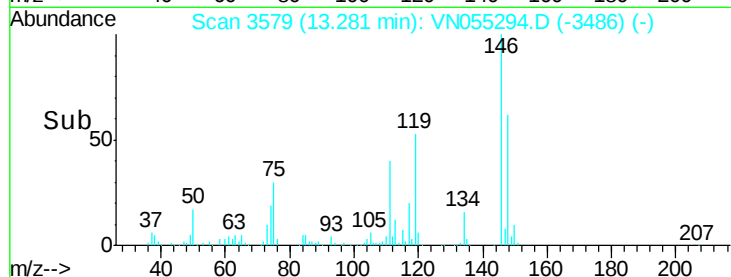
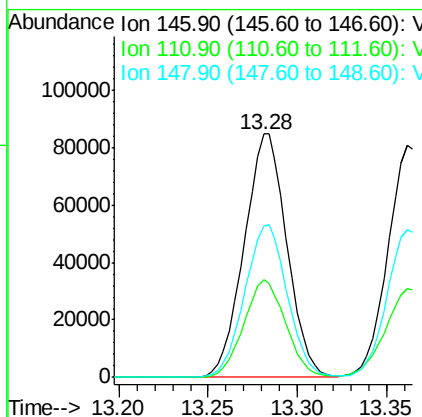
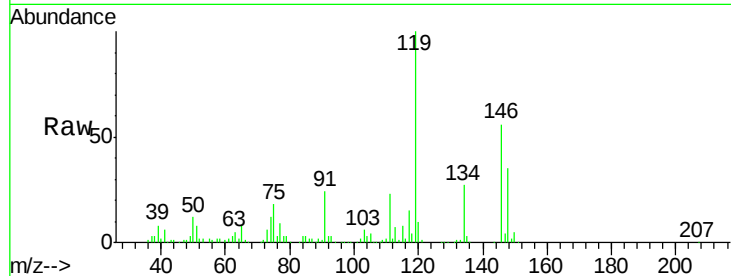
#87
 1,3-Dichlorobenzene
 Concen: 19.928 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	62.5	32.5	97.5

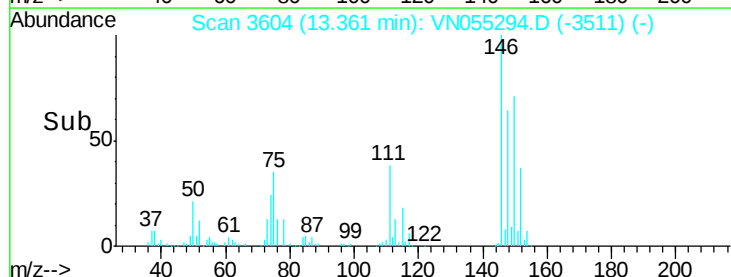
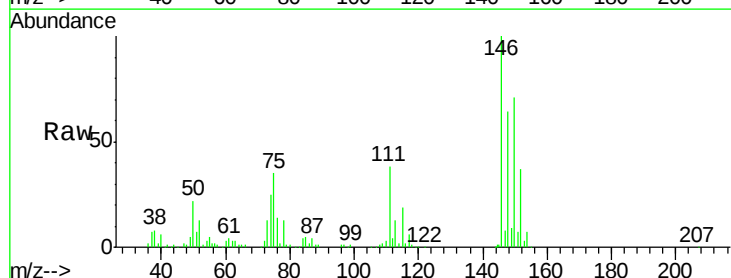
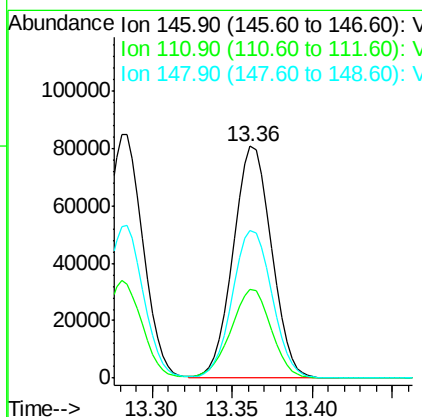
Manual Integrations
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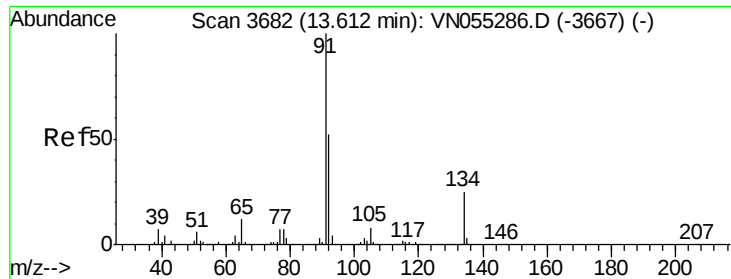
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 4/30/2019 11:59:21 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.672 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.5	58.5
148	65.8	32.5	97.4





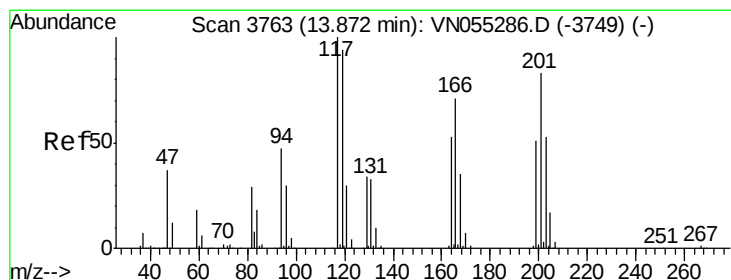
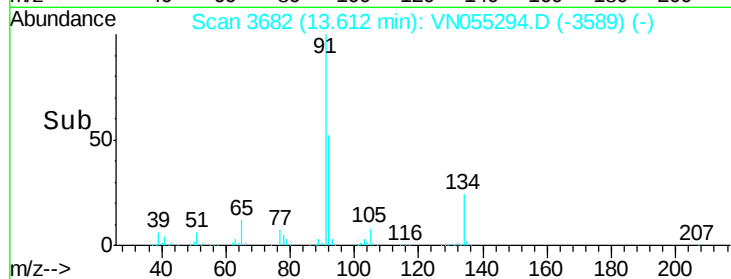
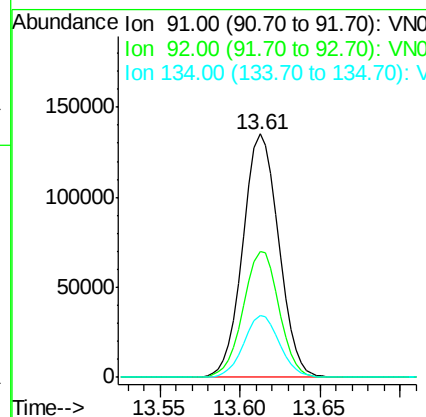
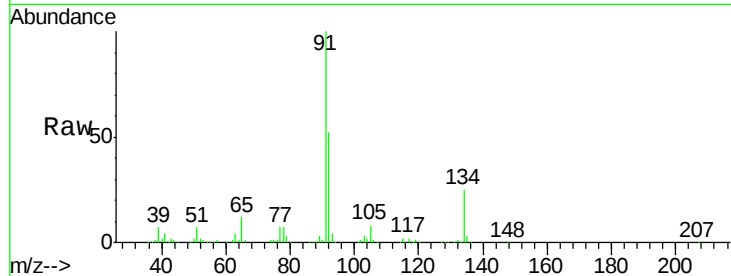
#89
n-Butylbenzene
Concen: 19.447 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
VN0429WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	25.3	12.4	37.4

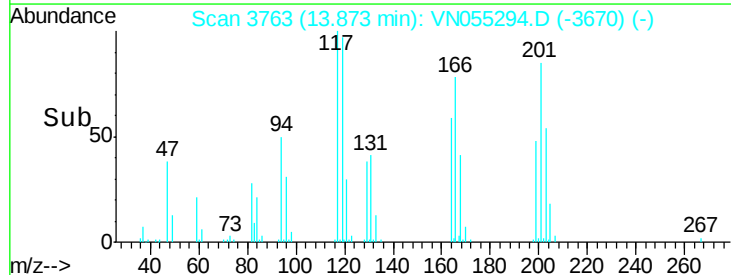
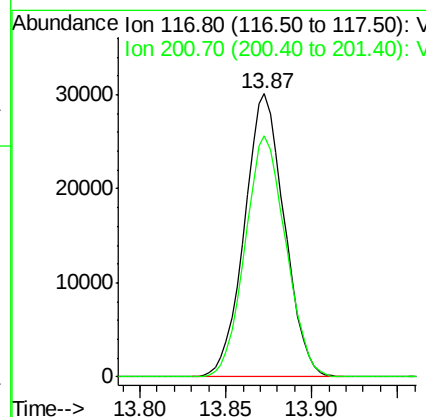
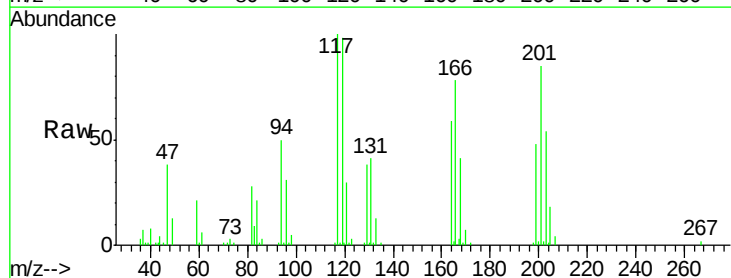
Manual Integrations
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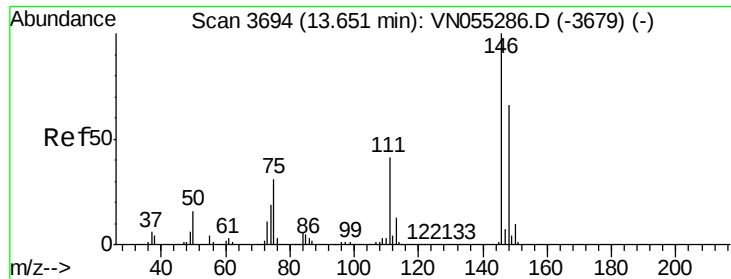
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#90
Hexachloroethane
Concen: 19.550 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055294.D
Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	41.9	125.8





#91

1,2-Dichlorobenzene

Concen: 19.788 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

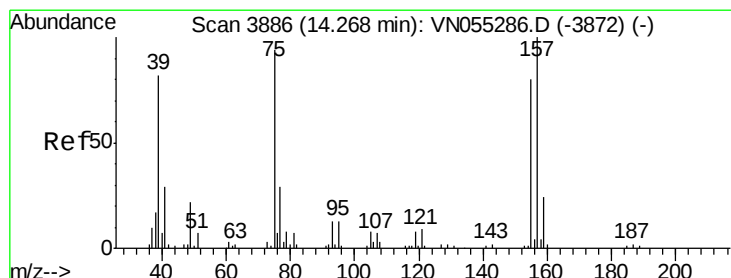
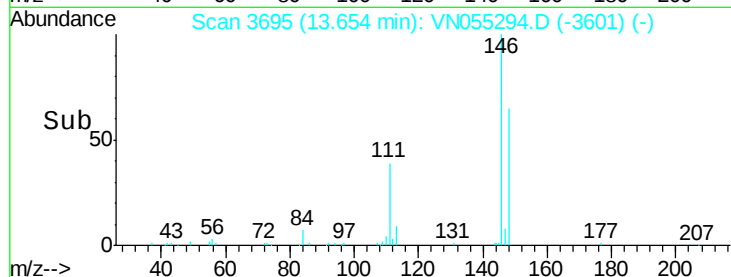
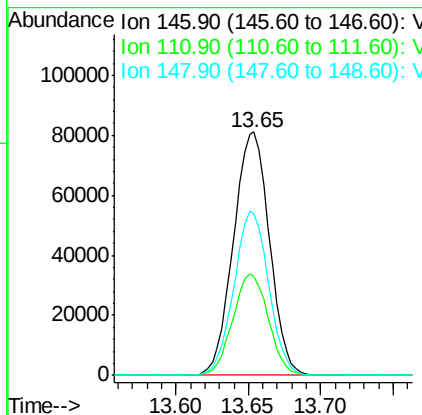
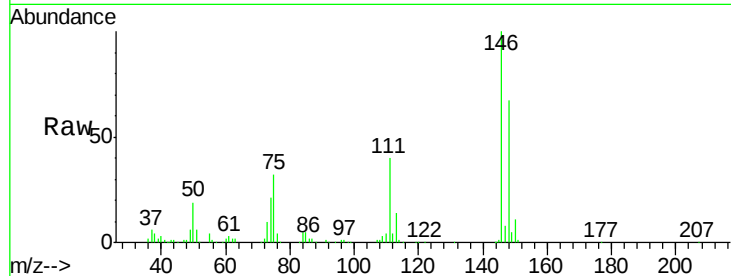
ClientSampleId :

VN0429WBSD01

Tot Ion:	146	Resp:	139987
Ion Ratio		Lower	Upper
146	100		
111	40.9	20.3	61.0
148	65.0	32.4	97.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 24.595 ug/l

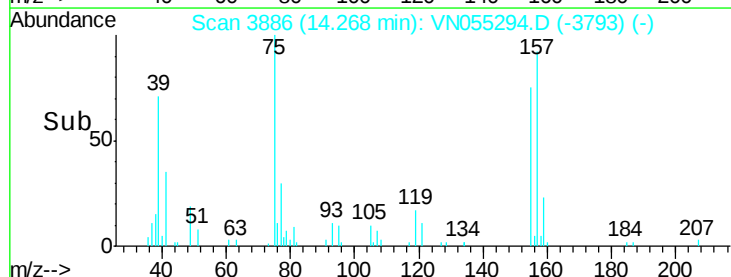
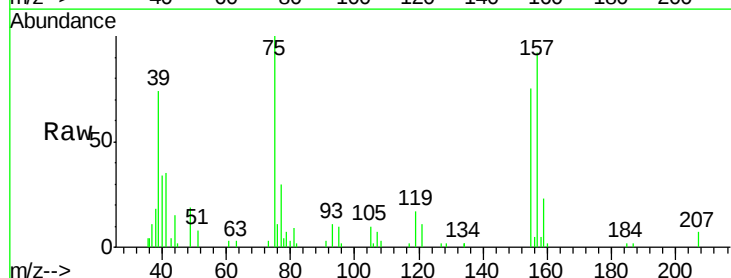
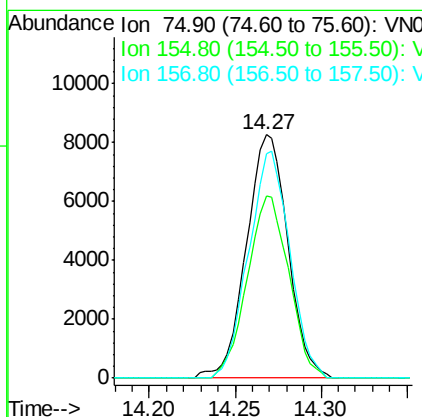
RT: 14.27 min Scan# 3886

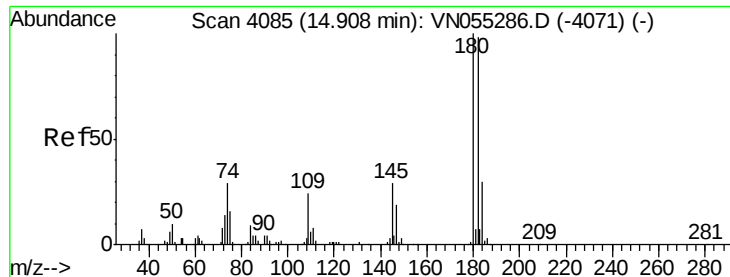
Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Tgt Ion:	75	Resp:	13802
Ion Ratio		Lower	Upper
75	100		
155	74.8	41.5	124.6
157	92.5	54.0	162.2





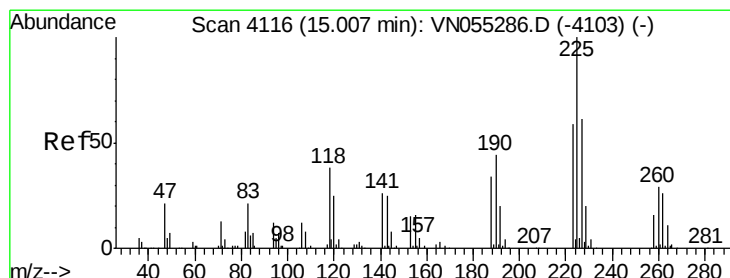
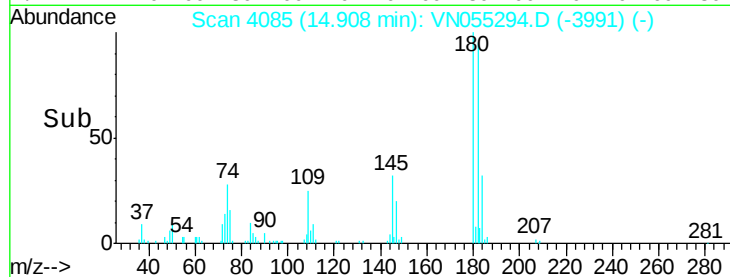
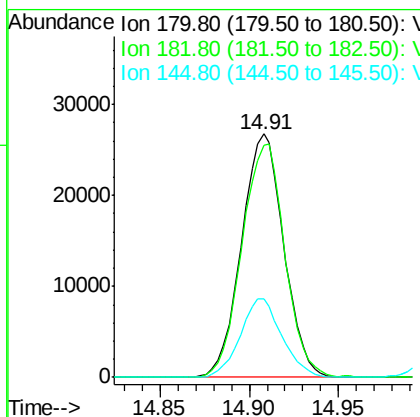
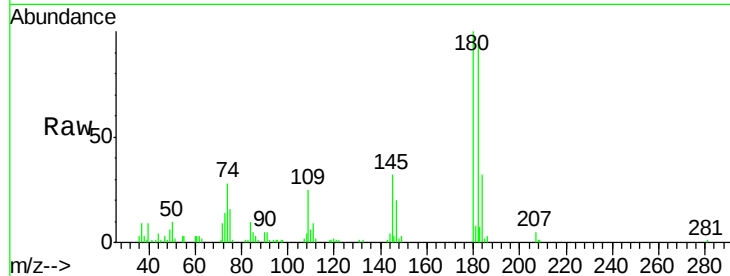
#93
 1,2,4-Trichlorobenzene
 Concen: 18.166 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0429WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.3	144.9
145	31.9	14.2	42.6

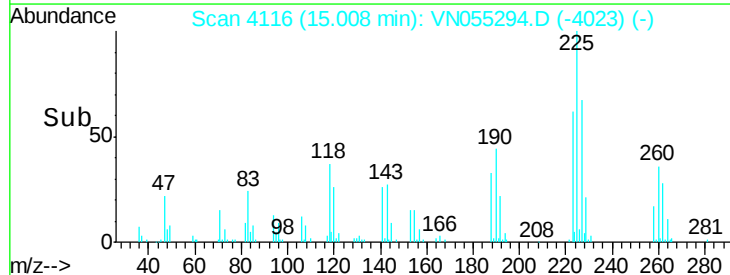
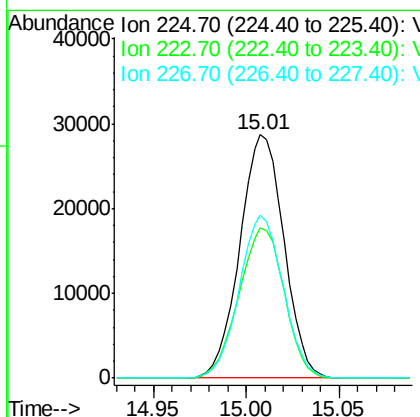
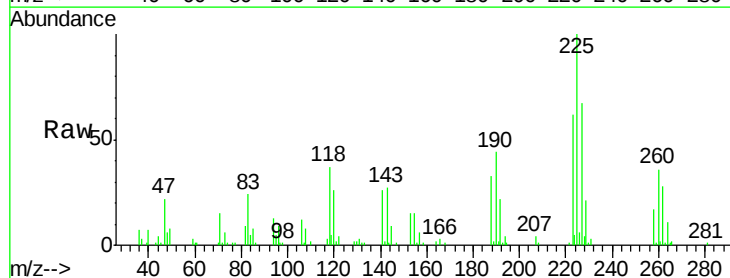
Manual Integrations
 APPROVED

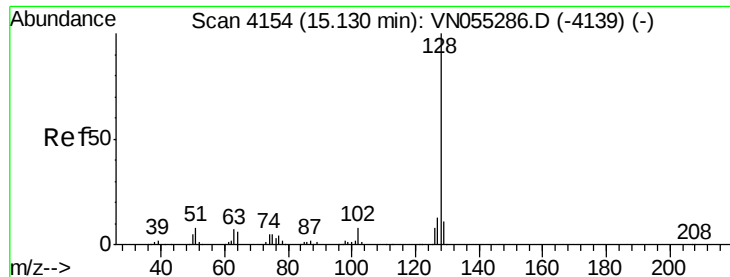
MMDadoda
 4/30/2019 11:59:21 AM



#94
 Hexachlorobutadiene
 Concen: 20.700 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055294.D
 Acq: 29 Apr 2019 15:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.3	90.8
227	66.6	30.9	92.7





#95

Naphthalene

Concen: 18.406 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Instrument :

MSVOA_N

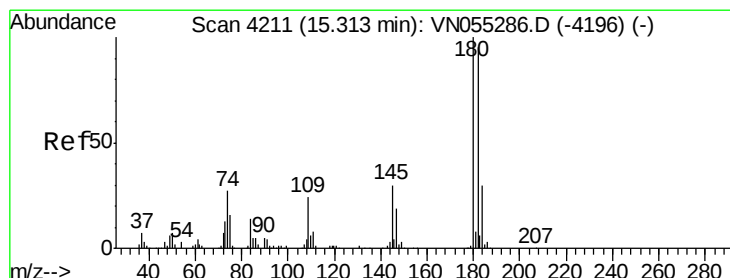
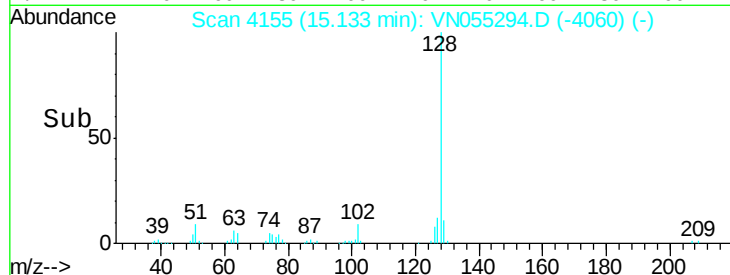
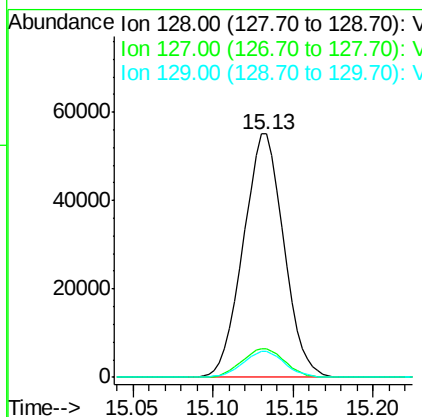
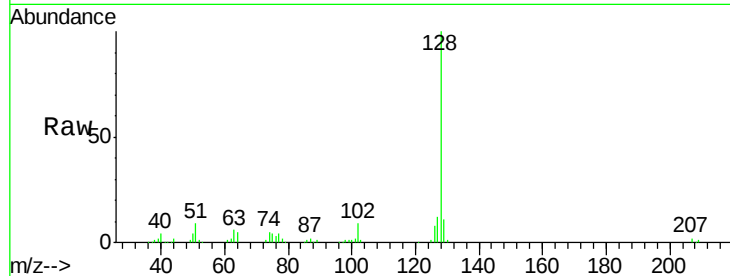
ClientSampleId :

VN0429WBSD01

Tot Ion:	128	Resp:	95769
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.7	16.1
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/30/2019 11:59:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.382 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055294.D

Acq: 29 Apr 2019 15:29

Tgt Ion:	180	Resp:	48599
Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.3	144.9
145	30.6	15.2	45.6

