

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052306.D
 Acq On : 14 Nov 2018 11:24
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:14 PM

Quant Time: Nov 15 02:52:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 02:30:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	267588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	456240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	408814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	71398	18.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.78%	
35) Dibromofluoromethane	7.59	113	54960	18.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.36%	
50) Toluene-d8	10.09	98	215713	18.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.26%	
62) 4-Bromofluorobenzene	12.40	95	67490	17.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	59499	20.983	ug/l	98
3) Chloromethane	2.06	50	78551	19.934	ug/l	98
4) Vinyl Chloride	2.19	62	68277	20.045	ug/l	99
5) Bromomethane	2.57	94	41014	19.314	ug/l	94
6) Chloroethane	2.71	64	38179	19.824	ug/l	98
7) Trichlorofluoromethane	3.02	101	90975	19.301	ug/l	99
8) Diethyl Ether	3.41	74	34271	19.077	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	57325	19.258	ug/l	99
10) Methyl Iodide	3.96	142	77144	19.302	ug/l	100
11) Tert butyl alcohol	4.79	59	17078	85.235	ug/l	100
12) 1,1-Dichloroethene	3.74	96	53229	19.324	ug/l	94
13) Acrolein	3.61	56	28375	102.948	ug/l	99
14) Allyl chloride	4.33	41	102002	18.034	ug/l	97
15) Acrylonitrile	4.99	53	110833	95.875	ug/l	99
16) Acetone	3.82	43	101828	96.227	ug/l	95
17) Carbon Disulfide	4.06	76	151970	19.240	ug/l	100
18) Methyl Acetate	4.33	43	58207	19.275	ug/l #	79
19) Methyl tert-butyl Ether	5.05	73	155615	19.658	ug/l	97
20) Methylene Chloride	4.55	84	64114	18.508	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	57510	20.155	ug/l	98
22) Diisopropyl ether	5.95	45	230186	19.735	ug/l	99
23) Vinyl Acetate	5.90	43	784379	100.194	ug/l	99
24) 1,1-Dichloroethane	5.85	63	120540	19.479	ug/l	99
25) 2-Butanone	6.83	43	145893	99.607	ug/l	99
26) 2,2-Dichloropropane	6.83	77	88810	19.517	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	66771	19.340	ug/l	99
28) Bromochloromethane	7.20	49	59969	18.847	ug/l	98
29) Tetrahydrofuran	7.21	42	92148	95.023	ug/l	99
30) Chloroform	7.37	83	115619	19.605	ug/l	99
31) Cyclohexane	7.65	56	116871	16.290	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	95899	19.089	ug/l	98
36) 1,1-Dichloropropene	7.79	75	88015	19.247	ug/l	98
37) Ethyl Acetate	6.93	43	65388	18.714	ug/l	98
38) Carbon Tetrachloride	7.78	117	81543	19.409	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	99956	19.148	ug/l	98
40) Benzene	8.04	78	257902	19.742	ug/l	99
41) Methacrylonitrile	7.17	41	23345m	12.416	ug/l	
42) 1,2-Dichloroethane	8.12	62	91405	19.621	ug/l	100
43) Isopropyl Acetate	8.17	43	120918	18.882	ug/l #	87
44) Trichloroethene	8.83	130	65063	20.219	ug/l	96
45) 1,2-Dichloropropane	9.12	63	73272	19.764	ug/l	97
46) Dibromomethane	9.21	93	41556	19.362	ug/l	98
47) Bromodichloromethane	9.40	83	85911	19.506	ug/l	98
48) Methyl methacrylate	9.20	41	59530	18.320	ug/l	99
49) 1,4-Dioxane	9.20	88	8966	359.429	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	317948	98.631	ug/l	99
52) Toluene	10.16	92	153233	19.608	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	85819	19.320	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	99267	19.604	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	55430	19.566	ug/l	98
56) Ethyl methacrylate	10.43	69	73617	19.759	ug/l	98
57) 1,3-Dichloropropane	10.71	76	99412	19.811	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	211405	99.664	ug/l	100
59) 2-Hexanone	10.75	43	220345	99.375	ug/l	100
60) Dibromochloromethane	10.90	129	58775	19.175	ug/l	100
61) 1,2-Dibromoethane	11.00	107	54311	19.246	ug/l	99
64) Tetrachloroethene	10.63	164	56669	19.498	ug/l	98
65) Chlorobenzene	11.43	112	165838	19.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	58135	19.729	ug/l	99
67) Ethyl Benzene	11.51	91	295030	19.671	ug/l	100
68) m/p-Xylenes	11.62	106	217646	39.717	ug/l	99
69) o-Xylene	11.95	106	106331	20.242	ug/l	99
70) Styrene	11.96	104	169957	20.207	ug/l	99
71) Bromoform	12.12	173	33019	18.978	ug/l #	99
73) Isopropylbenzene	12.25	105	279038	19.757	ug/l	100
74) N-amyl acetate	12.07	43	99435	19.766	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	67315	19.716	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	55031m	19.925	ug/l	
77) Bromobenzene	12.53	156	64468	19.618	ug/l	99
78) n-propylbenzene	12.59	91	326505	19.767	ug/l	100
79) 2-Chlorotoluene	12.67	91	192883	19.989	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	227823	20.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	16564	18.024	ug/l	93
82) 4-Chlorotoluene	12.77	91	190933	19.313	ug/l	99
83) tert-Butylbenzene	12.99	119	198062	19.974	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	227631	20.189	ug/l	99
85) sec-Butylbenzene	13.17	105	270348	20.015	ug/l	99
86) p-Isopropyltoluene	13.29	119	231529	20.235	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	114231	19.572	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	112854	19.449	ug/l	98
89) n-Butylbenzene	13.61	91	192496	19.588	ug/l	98
90) Hexachloroethane	13.87	117	38378	18.937	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	113673	20.103	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9198	18.270	ug/l	95

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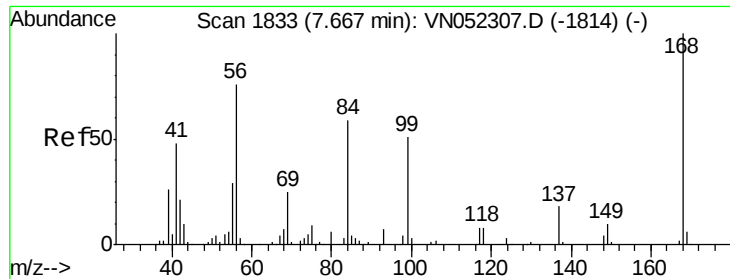
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45089	19.379	ug/l	98
94) Hexachlorobutadiene	15.01	225	25468	19.678	ug/l	98
95) Naphthalene	15.13	128	102758	19.545	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	41541	19.334	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 267588

Ion Ratio Lower Upper

168 100

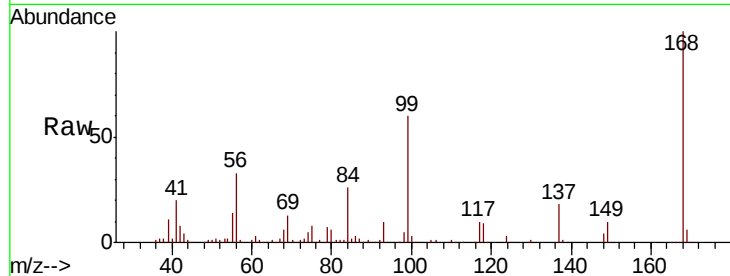
99 59.2 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

120000

100000

80000

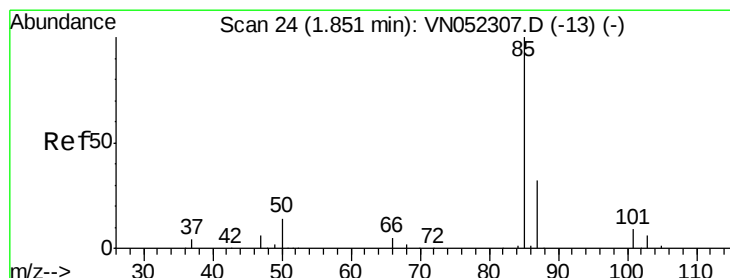
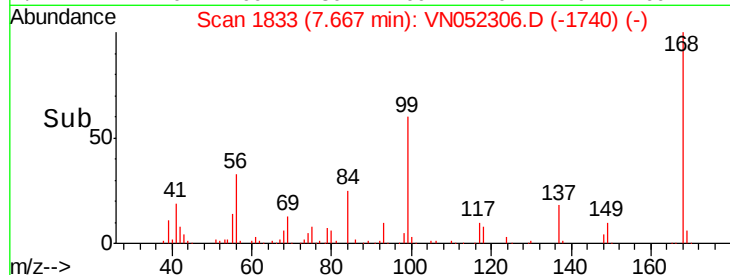
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.983 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052306.D

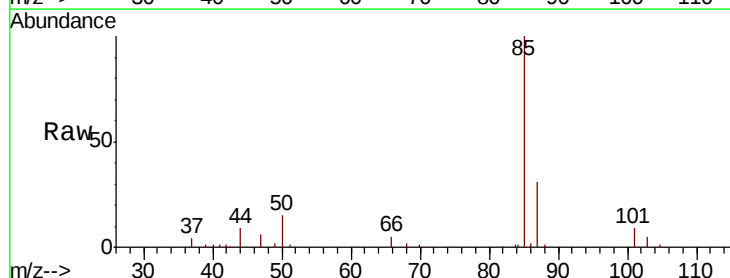
Acq: 14 Nov 2018 11:24

Tgt Ion: 85 Resp: 59499

Ion Ratio Lower Upper

85 100

87 30.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

50000

40000

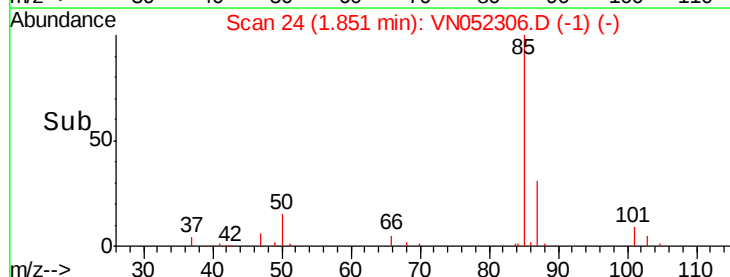
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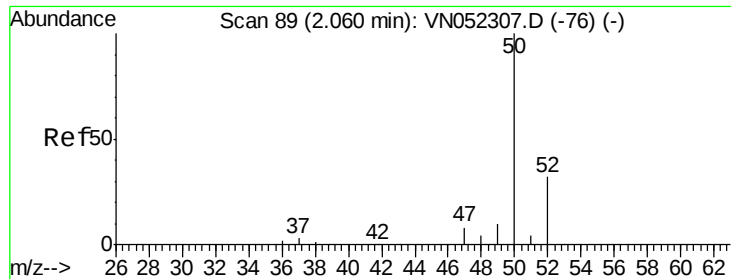
20000

10000

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Time-->





#3

Chloromethane

Concen: 19.934 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 78551

Ion Ratio Lower Upper

50 100

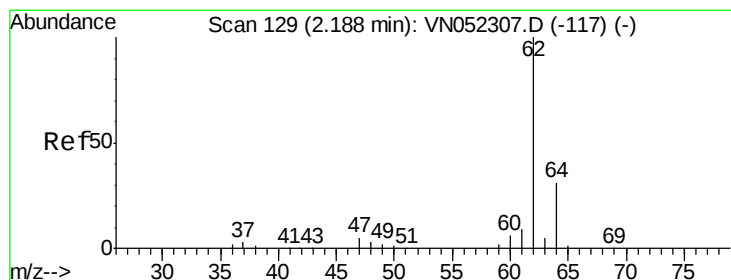
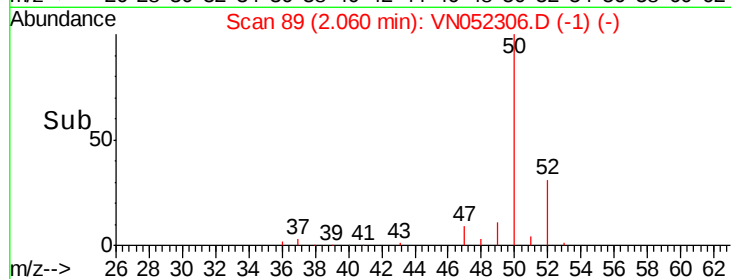
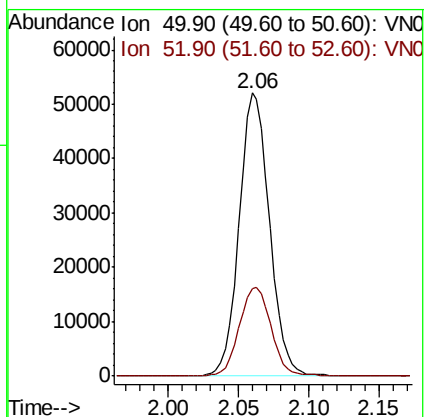
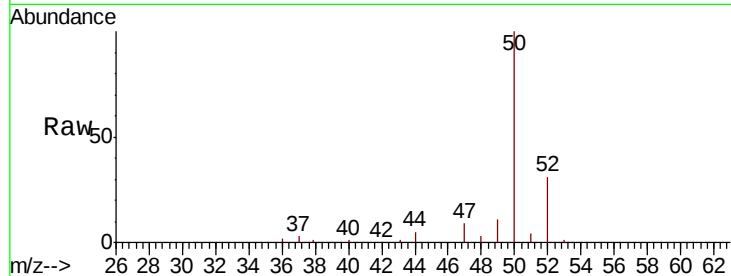
52 30.8 25.5 38.3

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 20.045 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052306.D

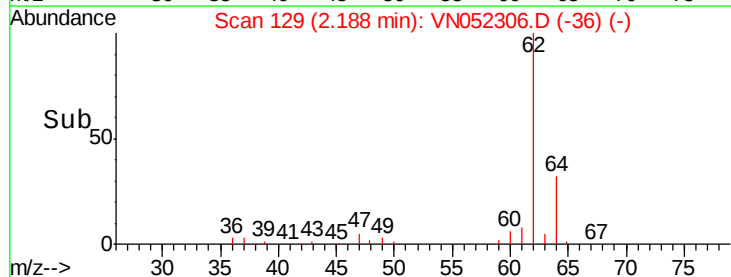
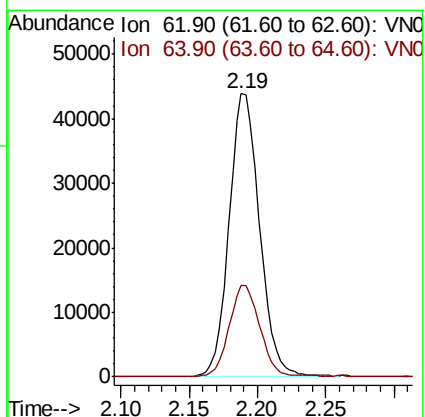
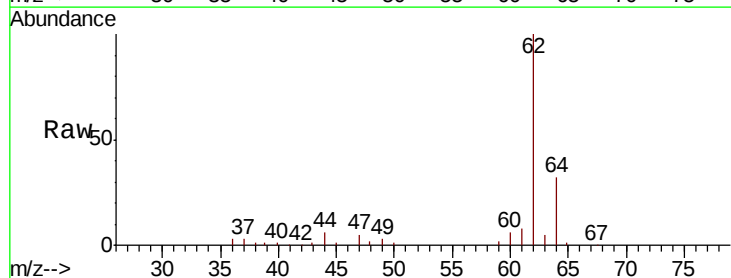
Acq: 14 Nov 2018 11:24

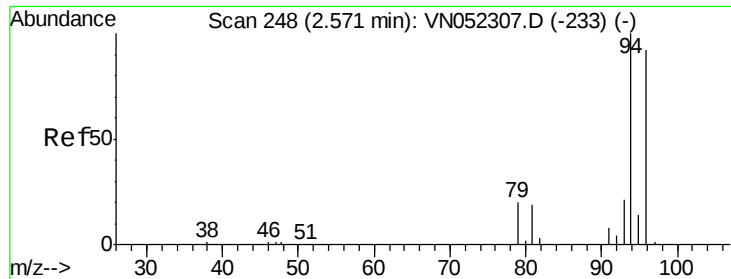
Tgt Ion: 62 Resp: 68277

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 19.314 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 41014

Ion Ratio Lower Upper

94 100

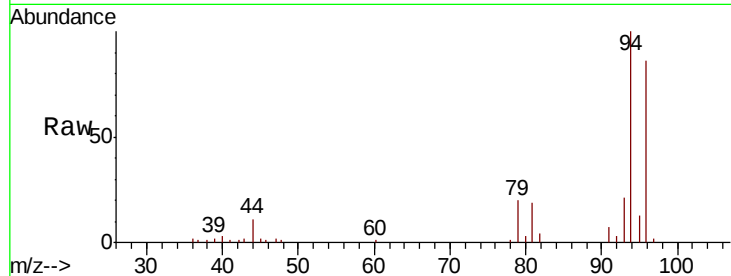
96 86.2 73.6 110.4

Manual Integrations

APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

20000

15000

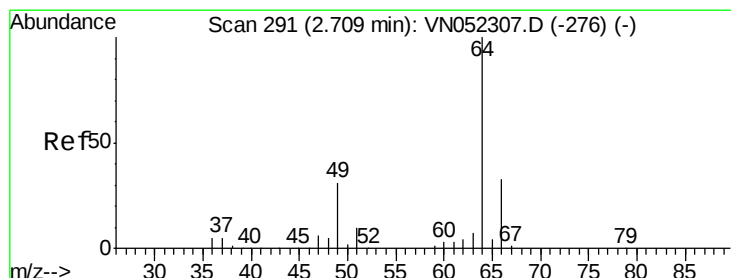
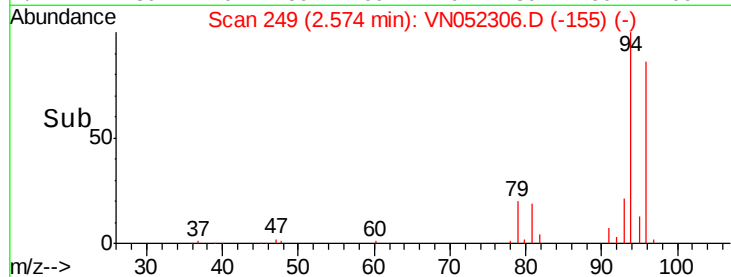
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5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.824 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052306.D

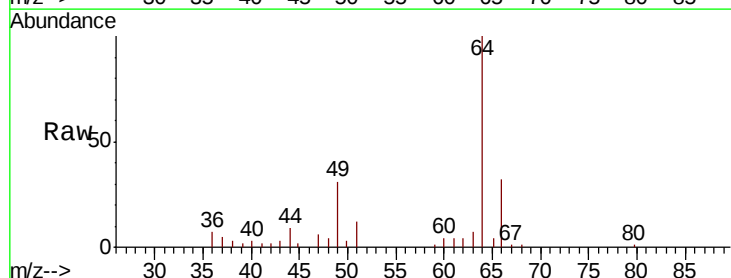
Acq: 14 Nov 2018 11:24

Tgt Ion: 64 Resp: 38179

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

20000

15000

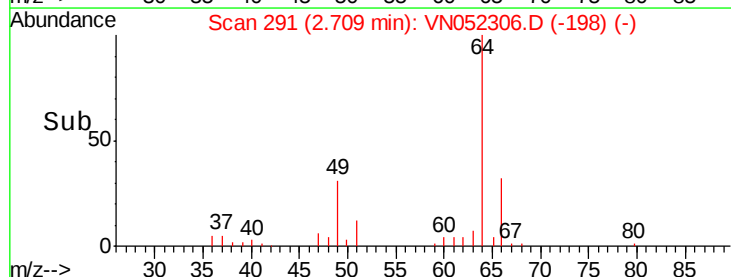
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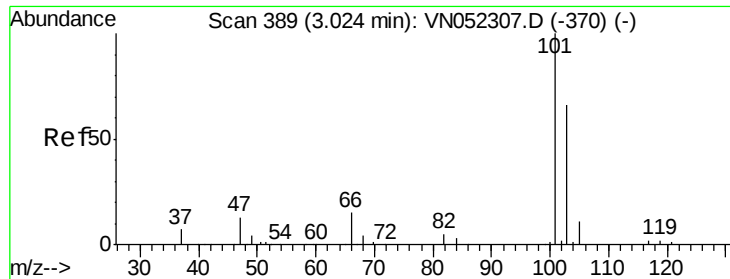
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

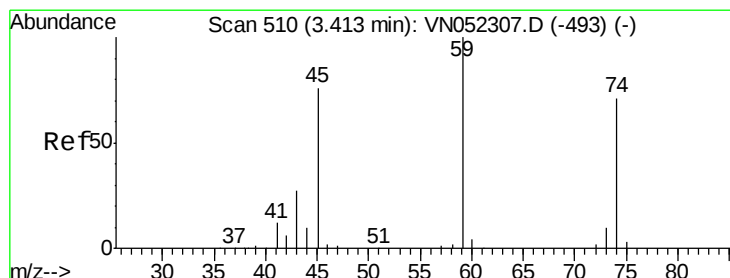
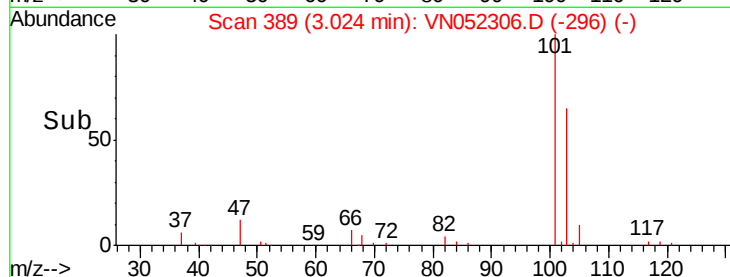
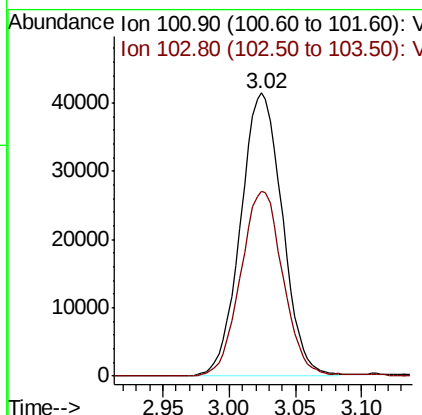
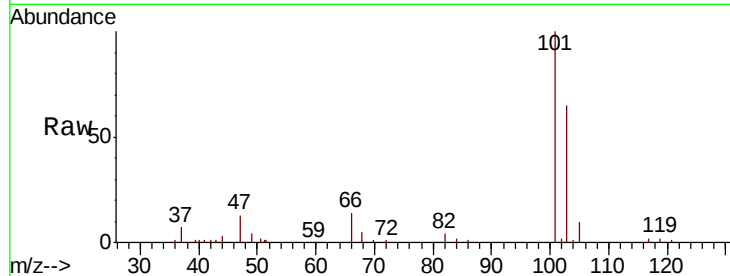
Trichlorofluoromethane
Concen: 19.301 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
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ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 90975
Ion Ratio Lower Upper
101 100
103 65.3 52.8 79.2

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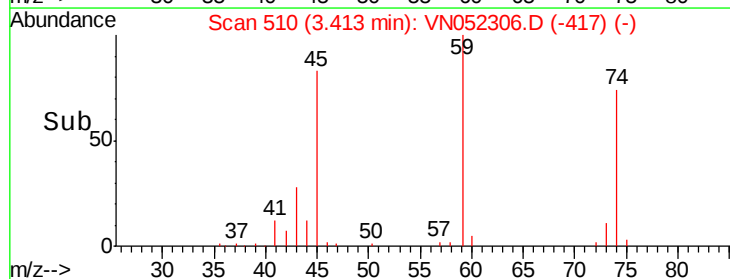
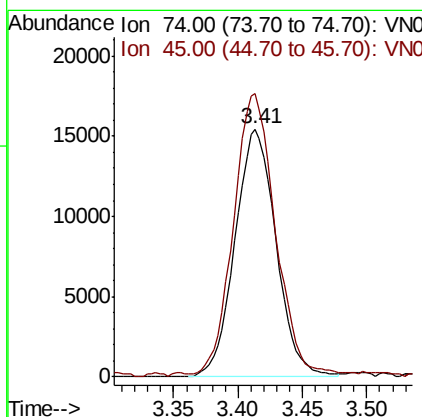
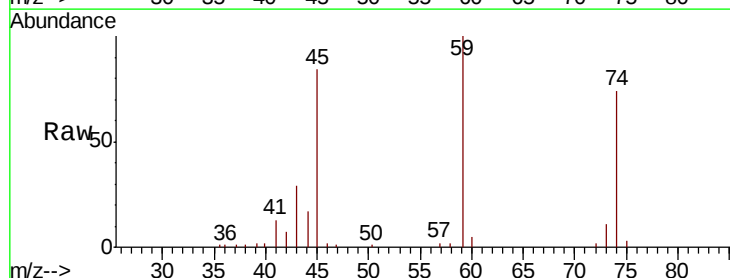
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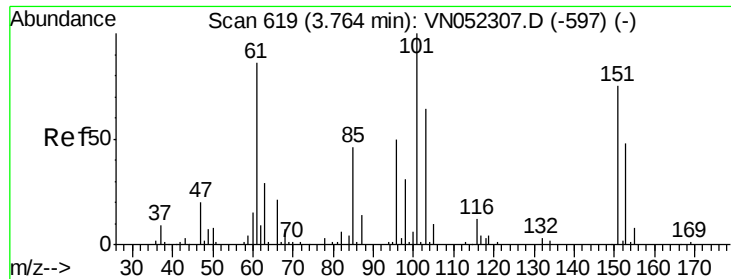


#8

Diethyl Ether
Concen: 19.077 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 74 Resp: 34271
Ion Ratio Lower Upper
74 100
45 113.9 54.3 162.9





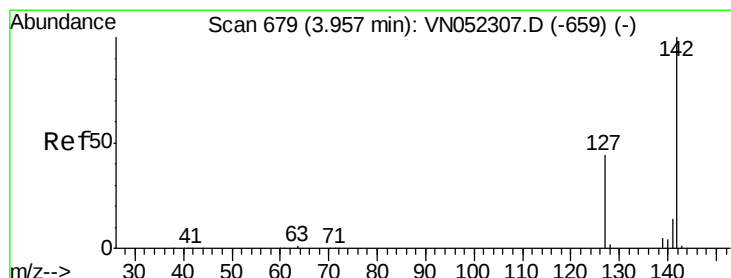
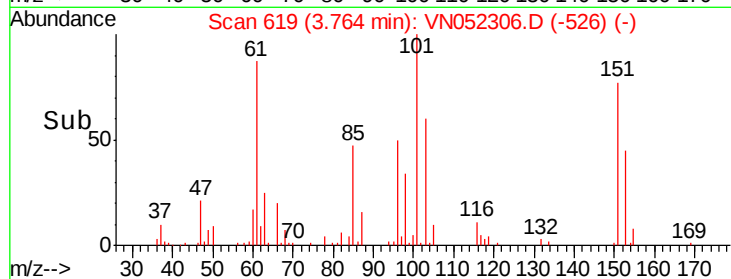
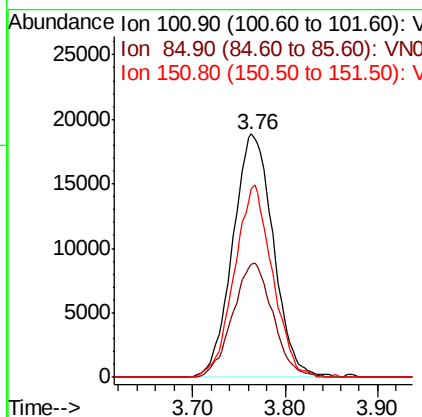
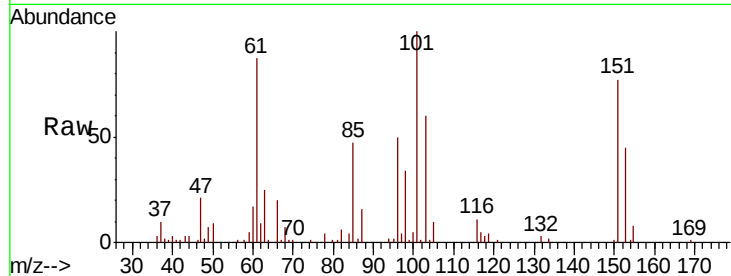
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.258 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

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Tot Ion	Ratio	Lower	Upper
101	100		
85	46.5	37.4	56.0
151	74.1	58.6	88.0

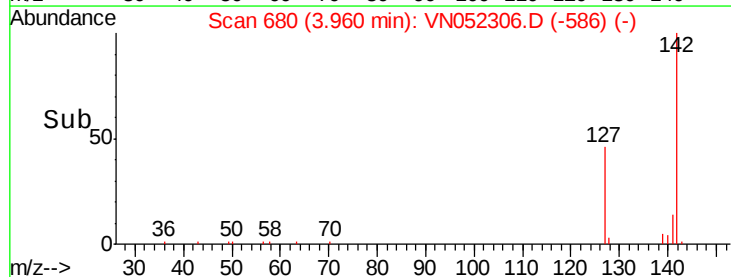
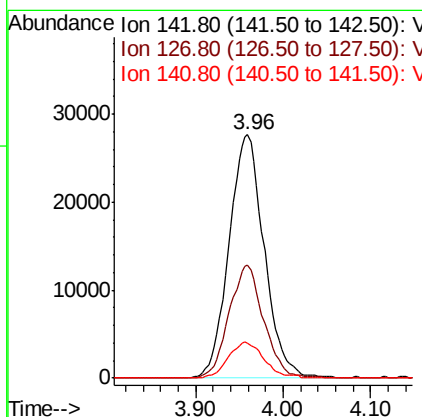
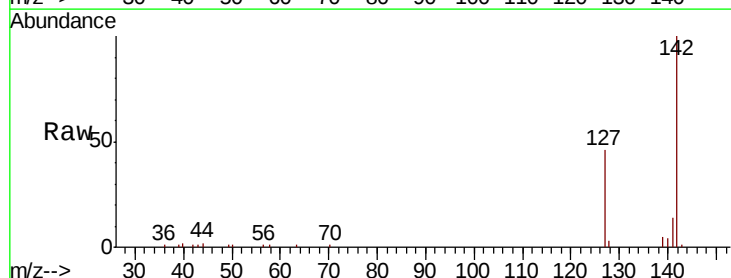
Manual Integrations
 APPROVED

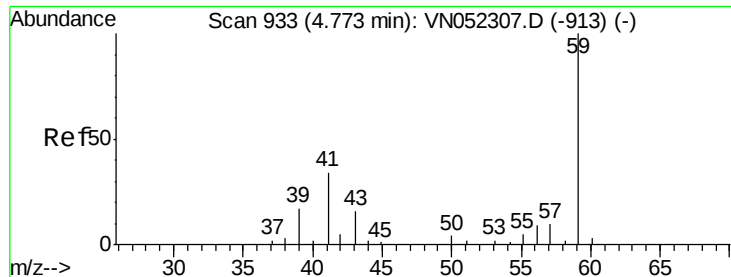
MMDadoda
 11/20/2018 2:58:14 PM



#10
 Methyl Iodide
 Concen: 19.302 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.3	54.5
141	14.8	11.4	17.2





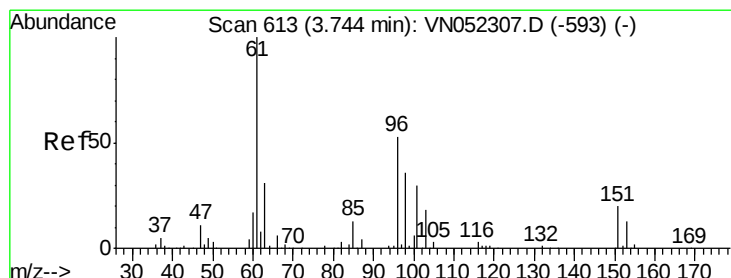
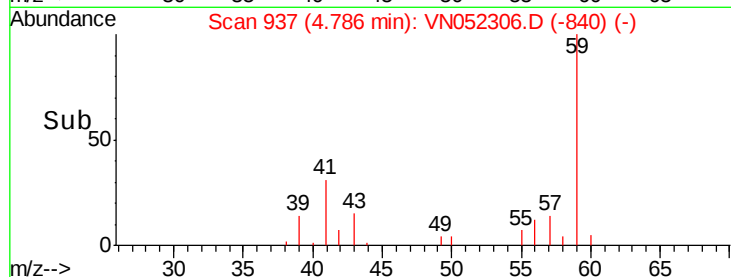
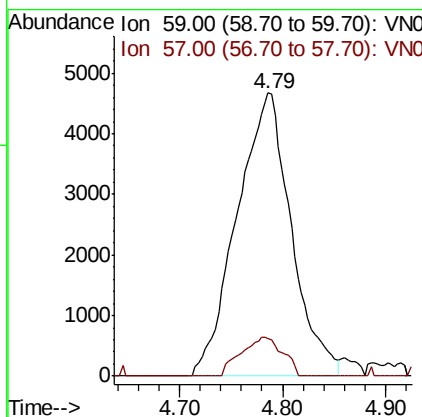
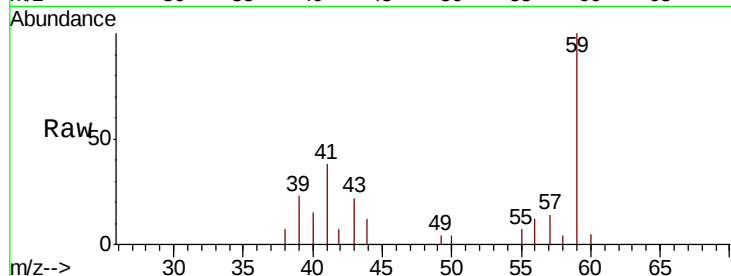
#11
Tert butyl alcohol
Concen: 85.235 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 17078
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

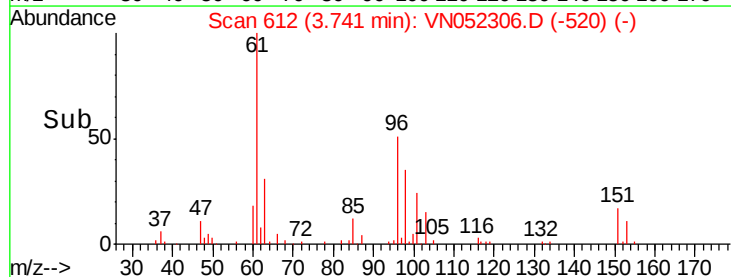
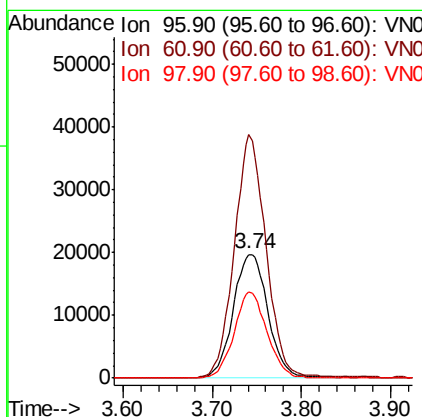
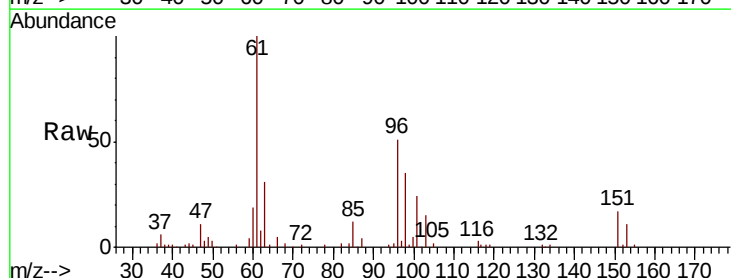
Manual Integrations
APPROVED

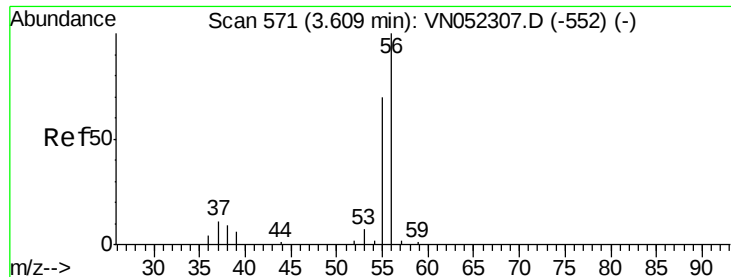
MMDadoda
11/20/2018 2:58:14 PM



#12
1,1-Dichloroethene
Concen: 19.324 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 96 Resp: 53229
Ion Ratio Lower Upper
96 100
61 197.1 149.6 224.4
98 69.8 54.2 81.2





#13

Acrolein

Concen: 102.948 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 28375

Ion Ratio Lower Upper

56 100

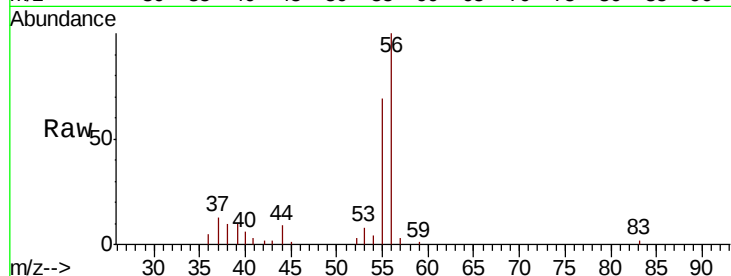
55 72.4 57.6 86.4

Manual Integrations

APPROVED

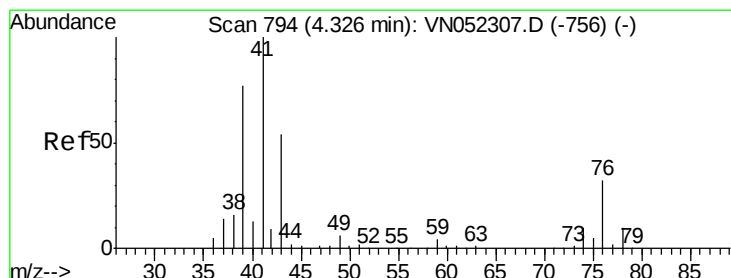
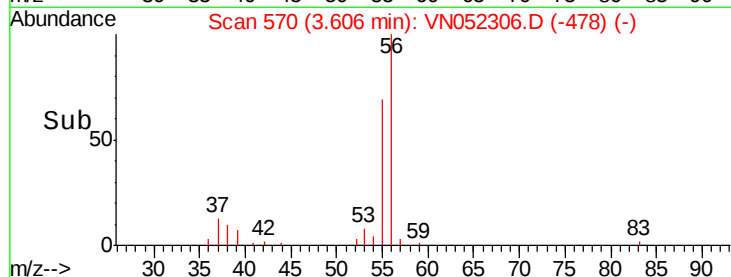
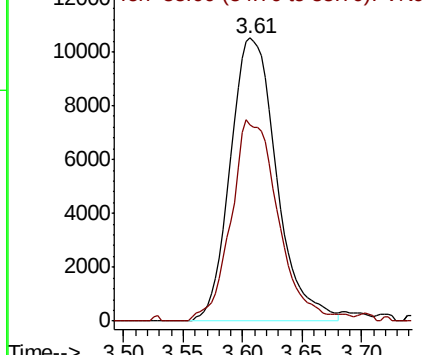
MMDadoda

11/20/2018 2:58:14 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.034 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

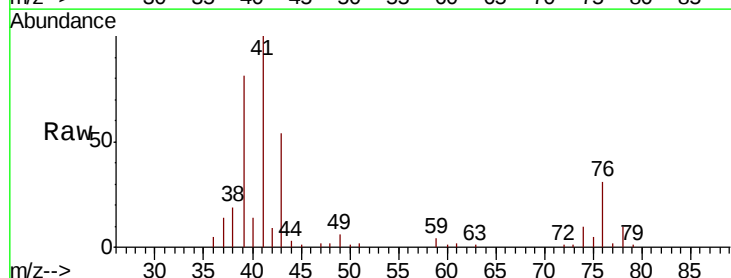
Tgt Ion: 41 Resp: 102002

Ion Ratio Lower Upper

41 100

39 76.3 59.1 88.7

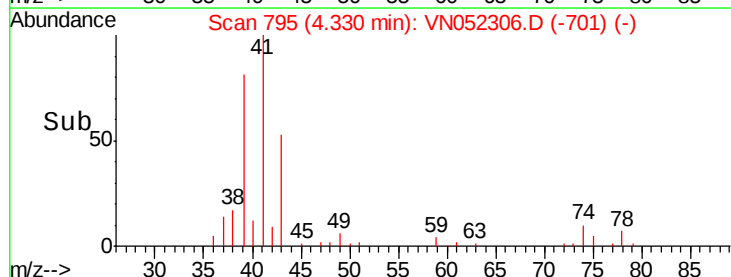
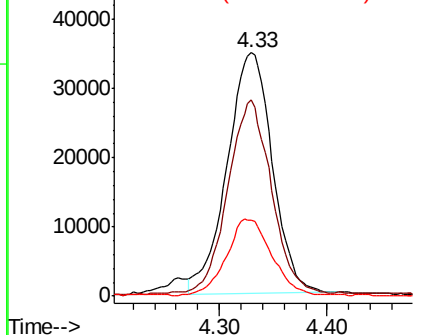
76 32.1 24.1 36.1

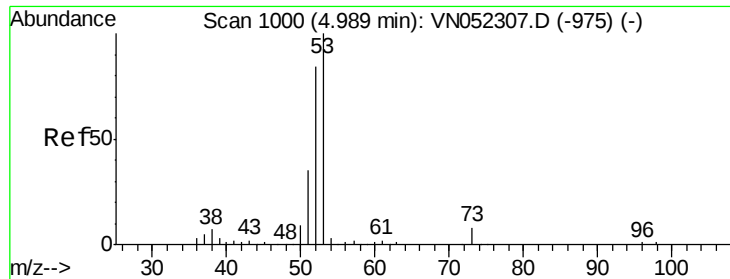


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 95.875 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

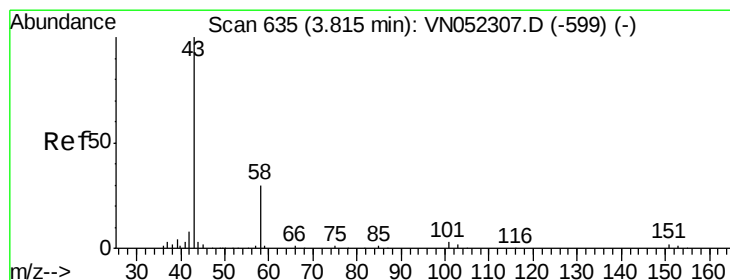
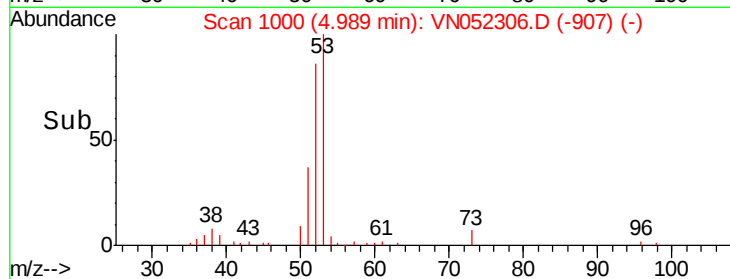
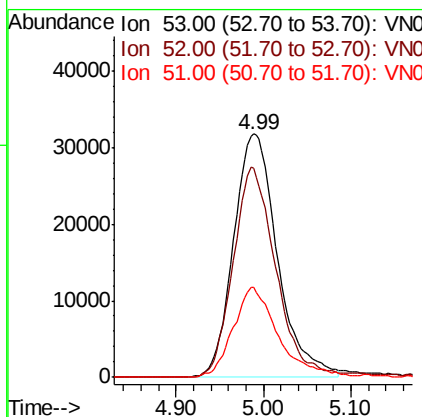
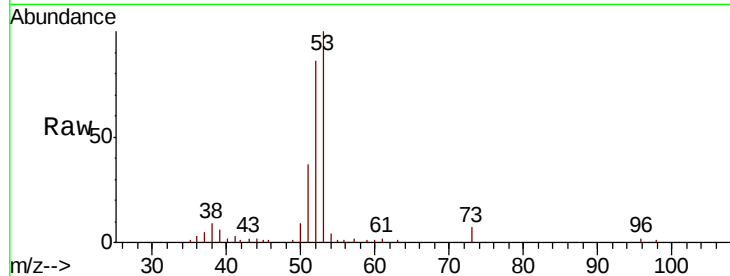
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	110833
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.5	101.3
51	38.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 96.227 ug/l

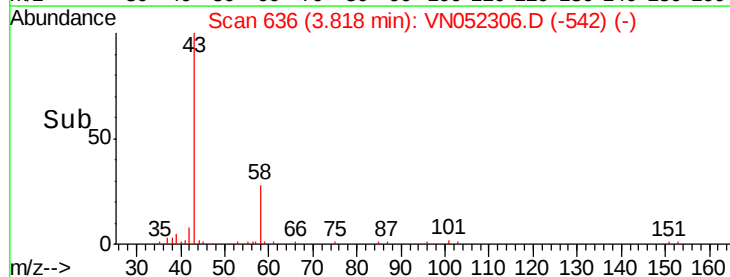
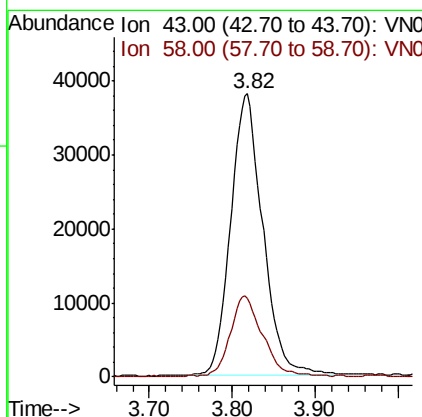
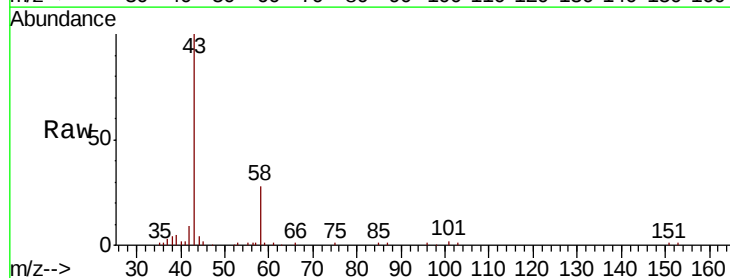
RT: 3.82 min Scan# 636

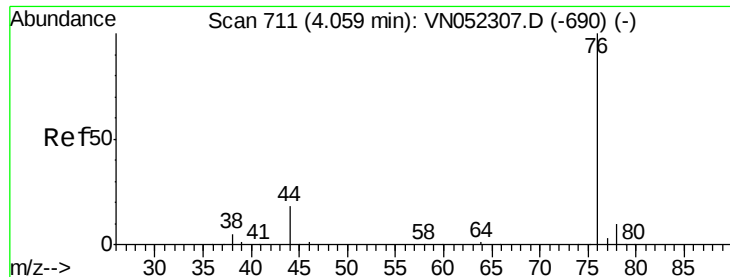
Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion:	43	Resp:	101828
Ion	Ratio	Lower	Upper
43	100		
58	27.8	24.2	36.4





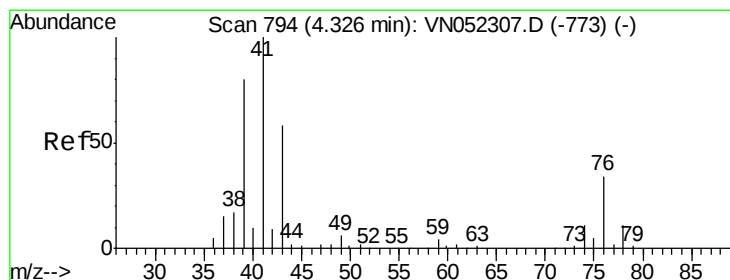
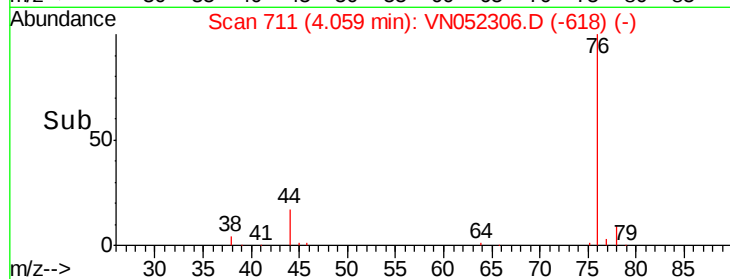
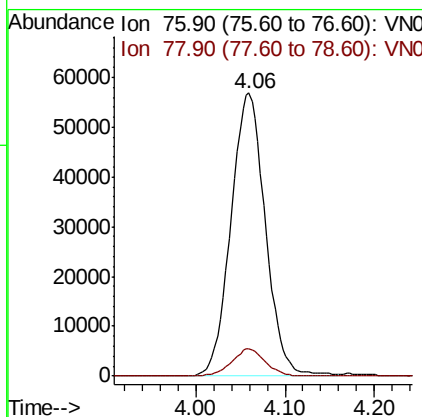
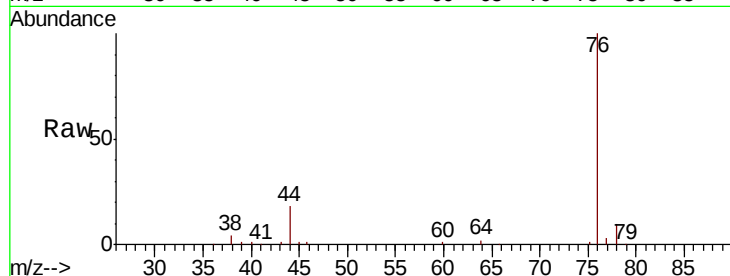
#17
Carbon Disulfide
Concen: 19.240 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 151970
Ion Ratio Lower Upper
76 100
78 9.8 7.7 11.5

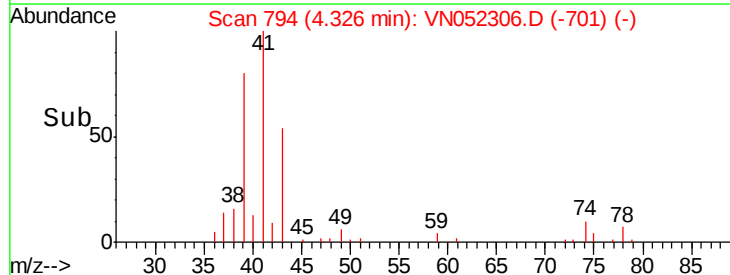
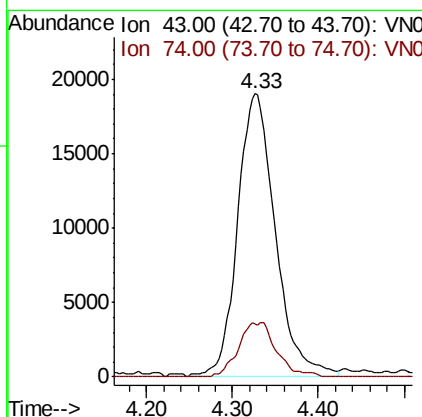
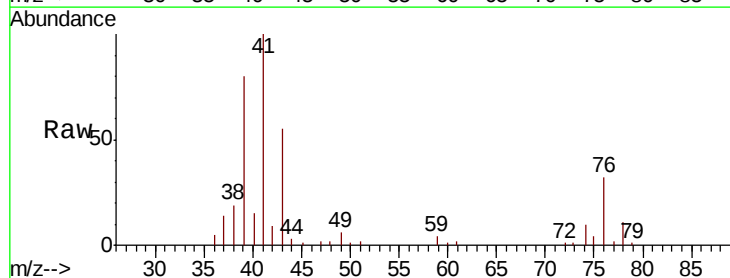
Manual Integrations
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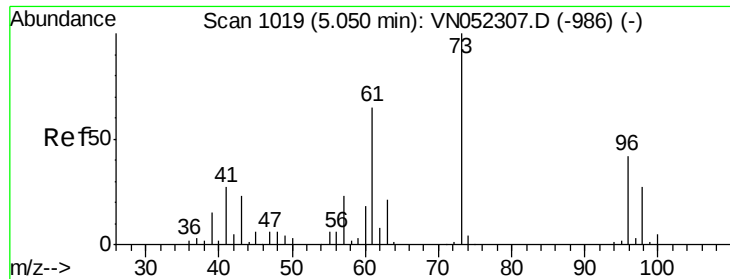
MMDadoda
11/20/2018 2:58:14 PM



#18
Methyl Acetate
Concen: 19.275 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 43 Resp: 58207
Ion Ratio Lower Upper
43 100
74 10.2 15.9 23.9#





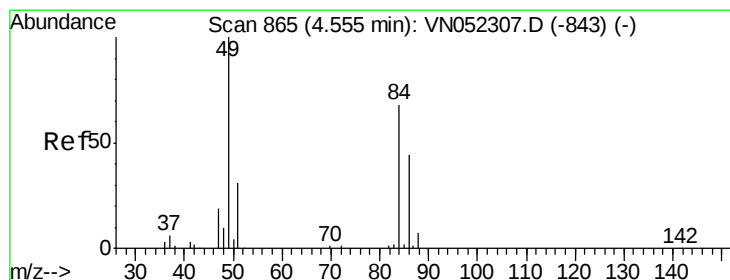
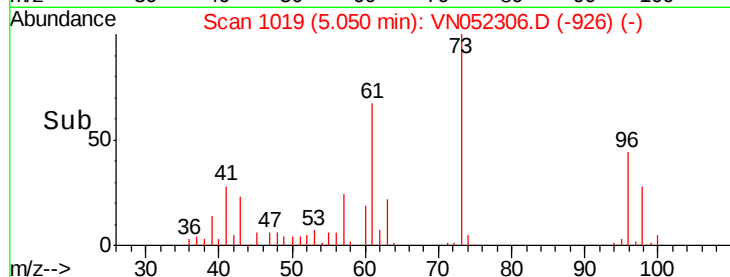
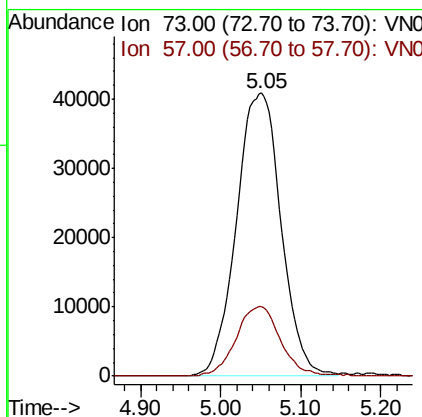
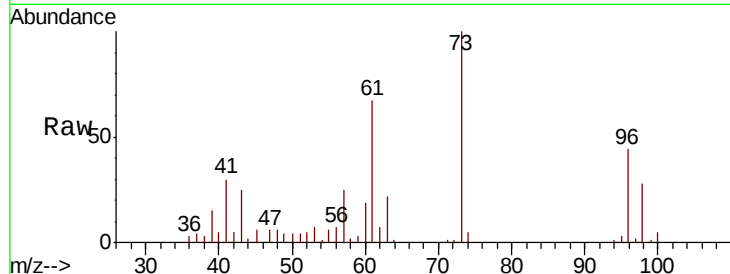
#19
Methvl tert-butvl Ether
Concen: 19.658 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 155615
Ion Ratio Lower Upper
73 100
57 24.7 18.7 28.1

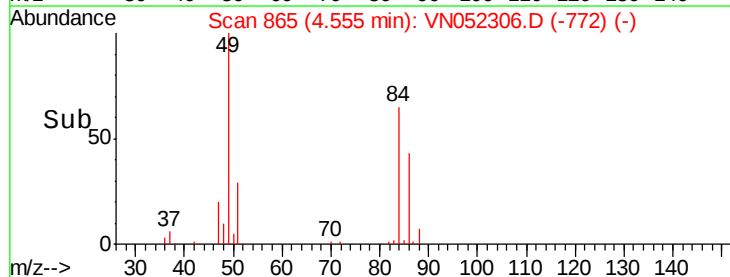
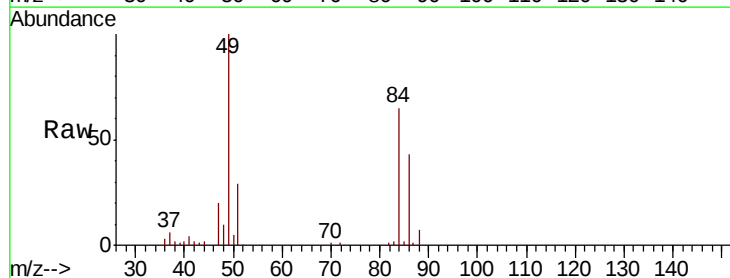
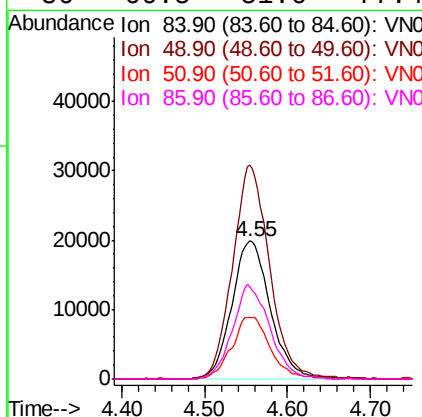
Manual Integrations
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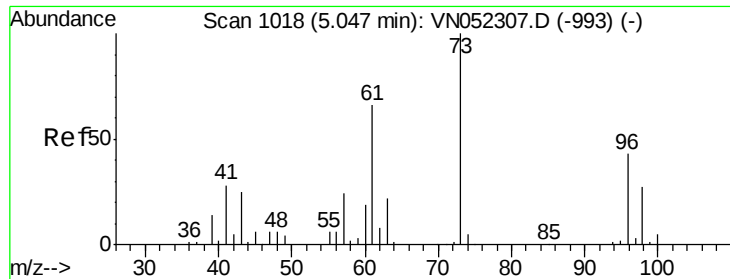
MMDadoda
11/20/2018 2:58:14 PM



#20
Methylene Chloride
Concen: 18.508 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 84 Resp: 64114
Ion Ratio Lower Upper
84 100
49 154.8 118.2 177.2
51 44.8 36.1 54.1
86 66.5 51.6 77.4





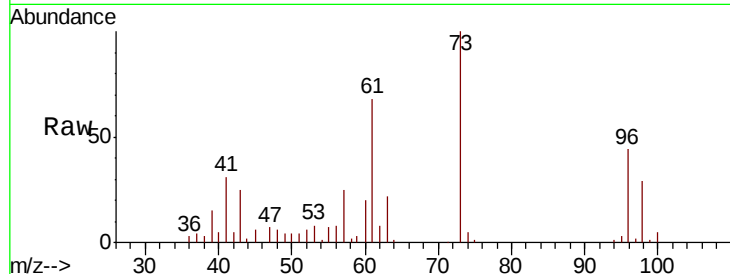
#21
trans-1,2-Dichloroethene
Concen: 20.155 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

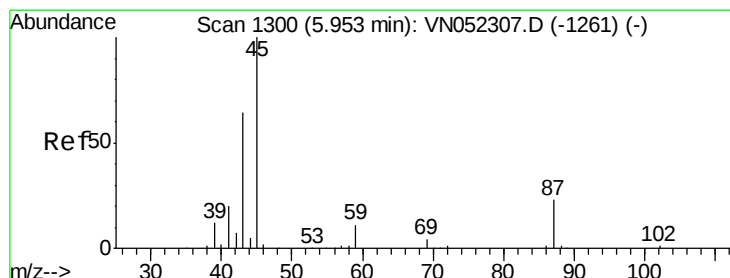
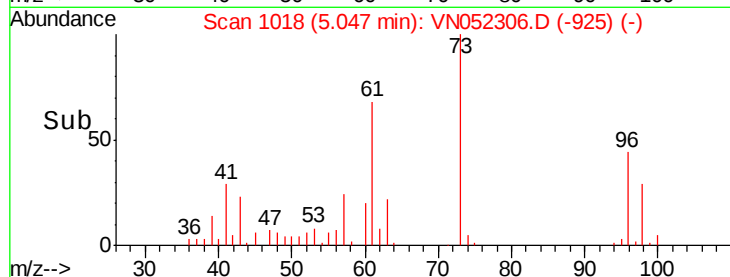
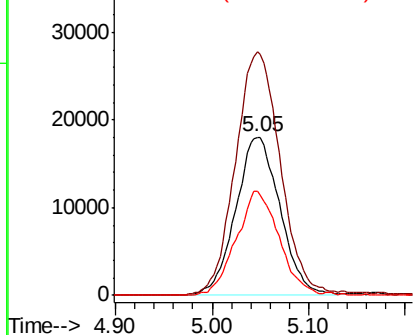
Tot Ion	Ratio	Lower	Upper
96	100		
61	152.7	123.6	185.4
98	66.0	50.7	76.1

Manual Integrations
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11/20/2018 2:58:14 PM



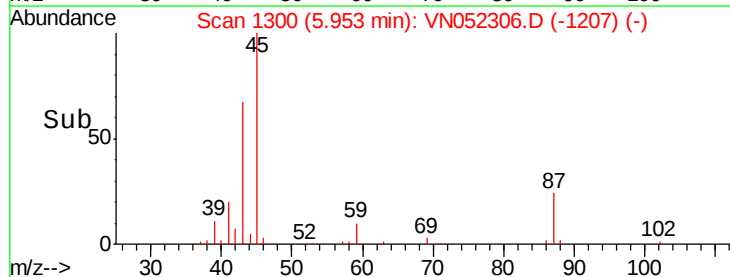
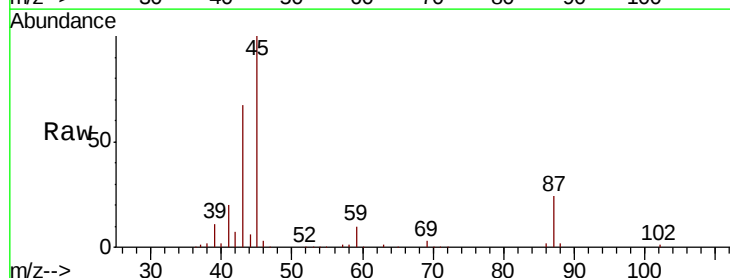
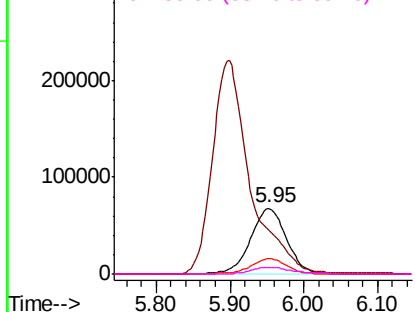
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

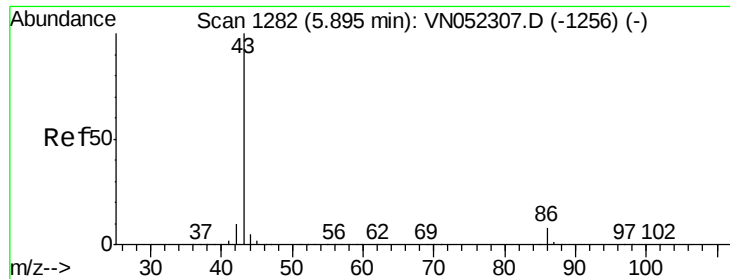


#22
Diisopropyl ether
Concen: 19.735 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.4	51.4	77.2
87	24.0	18.8	28.2
59	9.9	8.6	12.8

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





#23

Vinyl Acetate

Concen: 100.194 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 784379

Ion Ratio Lower Upper

43 100

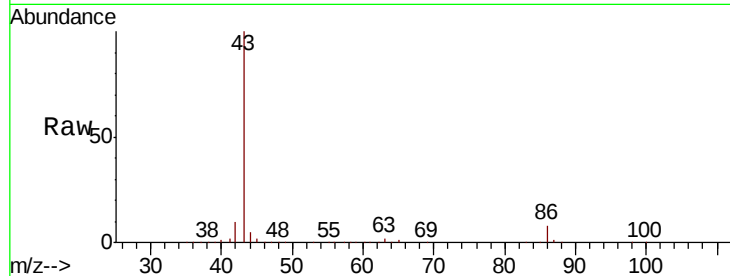
86 8.3 6.5 9.7

Manual Integrations

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11/20/2018 2:58:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN052306.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052306.D (-1189) (-)

250000

200000

150000

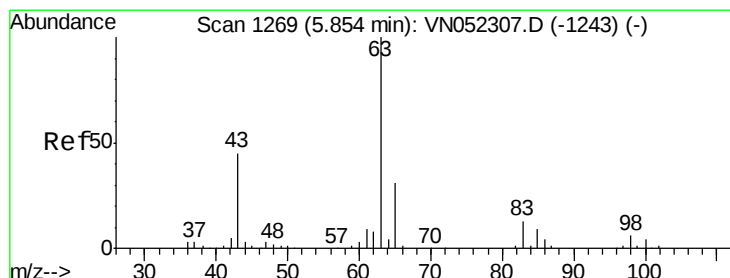
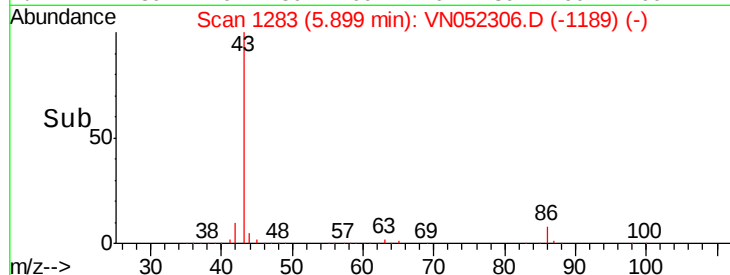
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.479 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

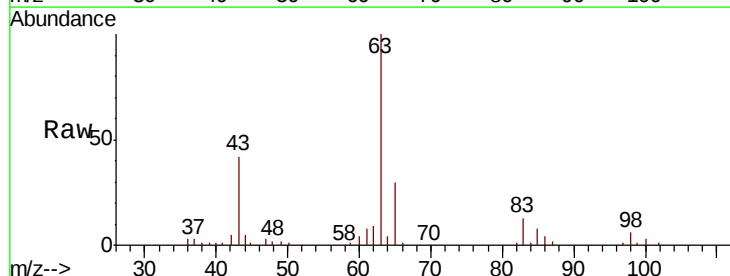
Tgt Ion: 63 Resp: 120540

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 3.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN052306.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN052306.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN052306.D (-1176) (-)

50000

40000

30000

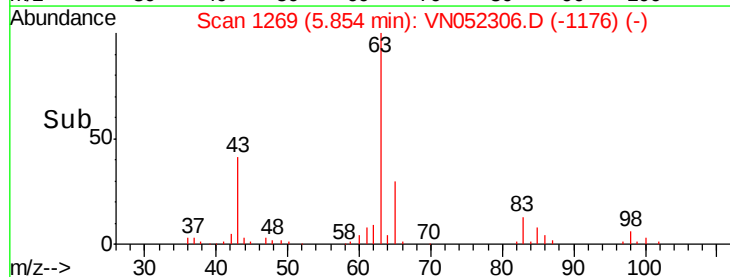
20000

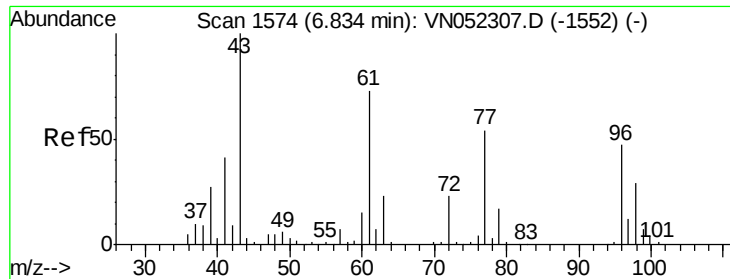
10000

0

5.70 5.80 5.90

Time-->





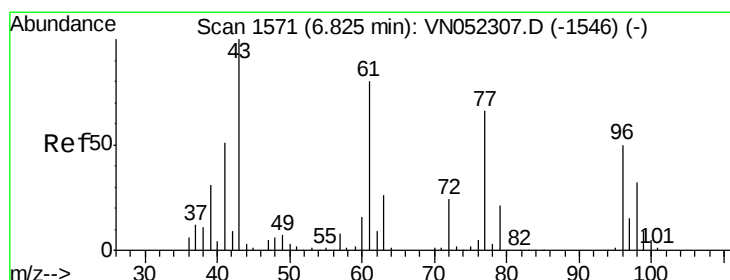
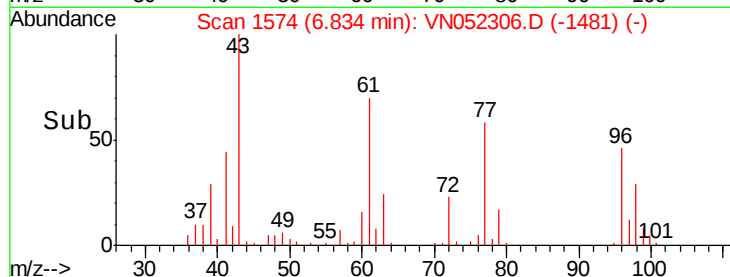
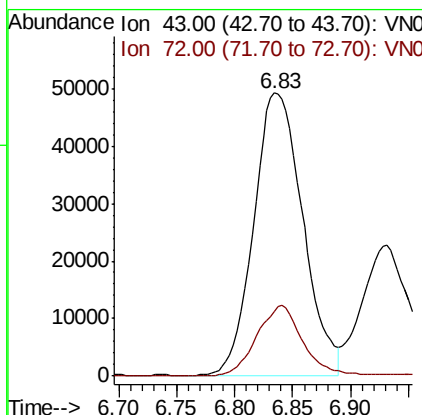
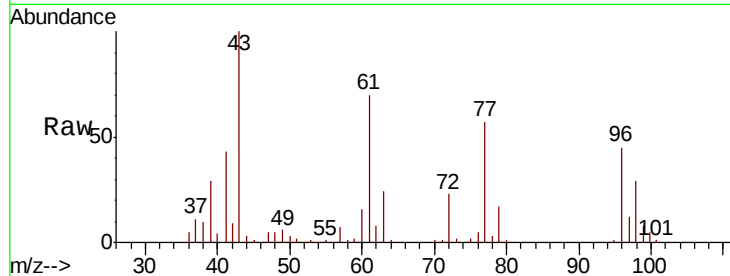
#25
2-Butanone
Concen: 99.607 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 145893
Ion Ratio Lower Upper
43 100
72 22.7 18.6 27.8

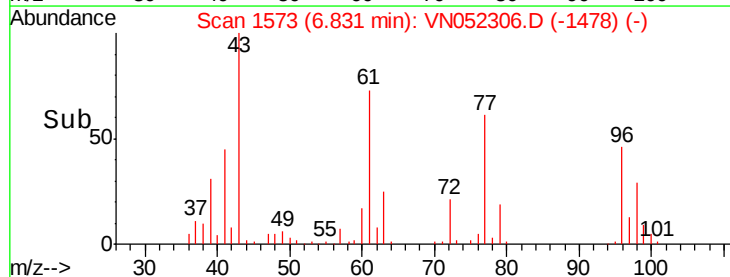
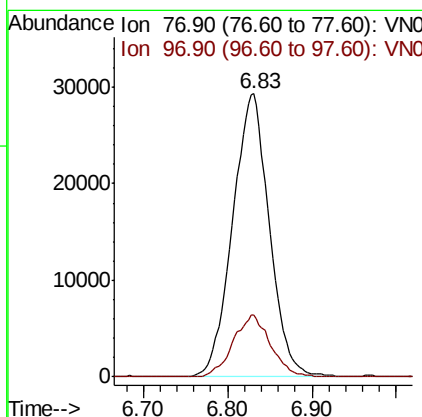
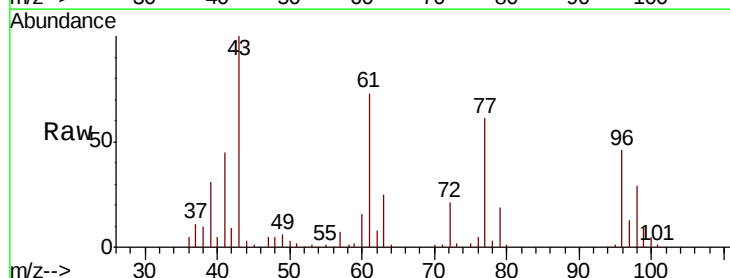
Manual Integrations
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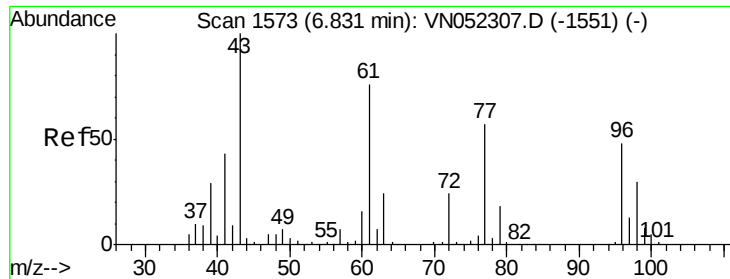
MMDadoda
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#26
2,2-Dichloropropane
Concen: 19.517 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 77 Resp: 88810
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.1





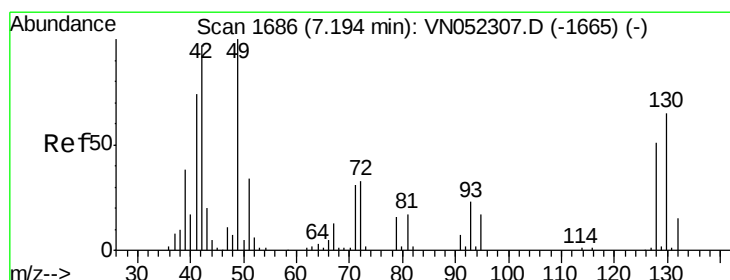
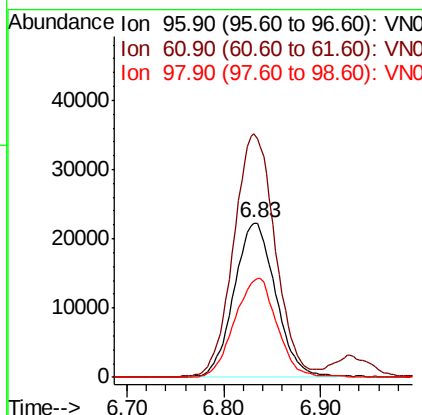
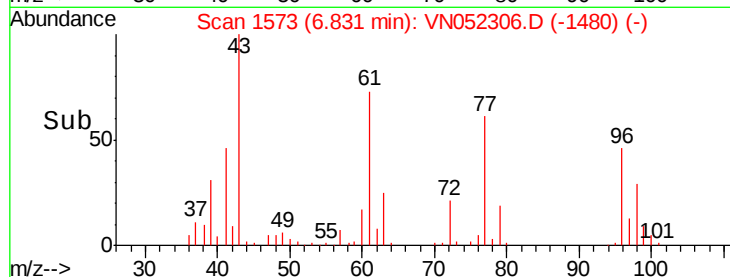
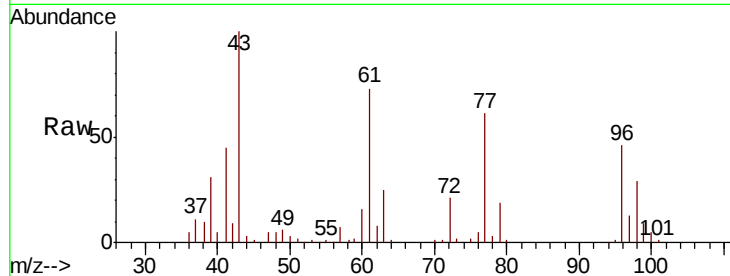
#27
 cis-1,2-Dichloroethene
 Concen: 19.340 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.1	0.0	316.8
98	64.7	0.0	126.6

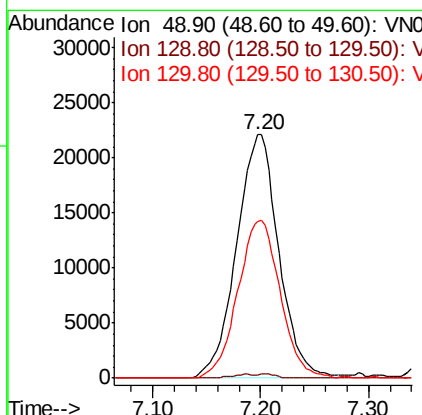
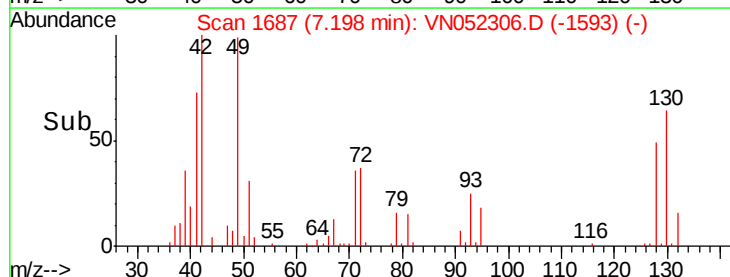
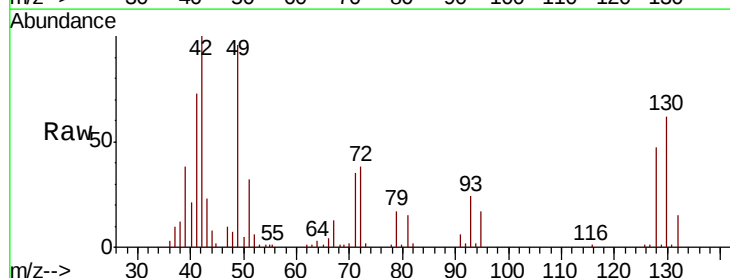
Manual Integrations
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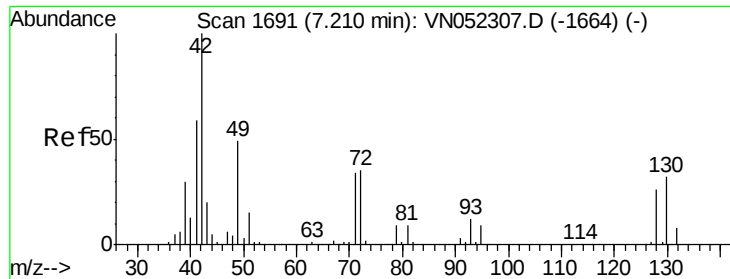
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#28
 Bromochloromethane
 Concen: 18.847 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	64.9	50.4	75.6





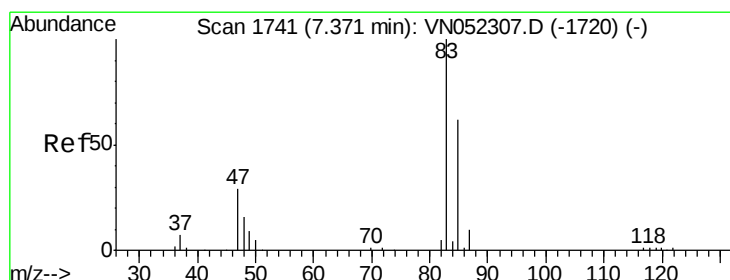
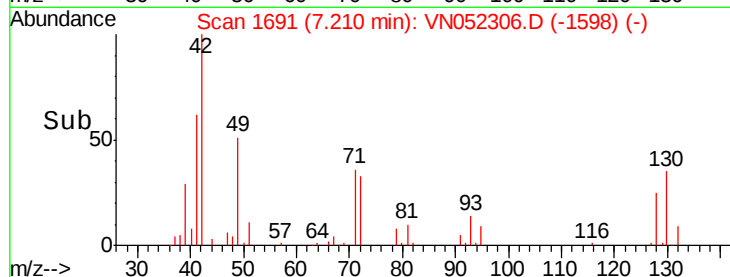
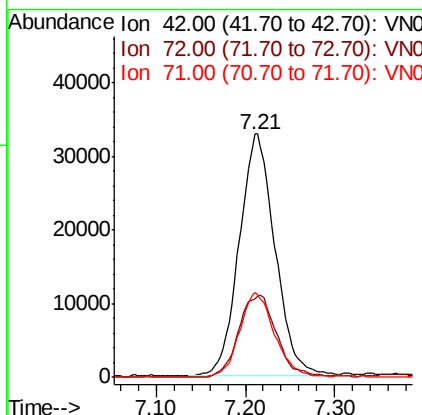
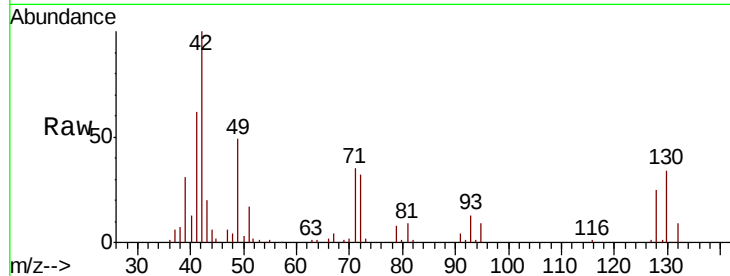
#29
Tetrahydrofuran
Concen: 95.023 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	28.6	42.8
71	33.9	26.7	40.1

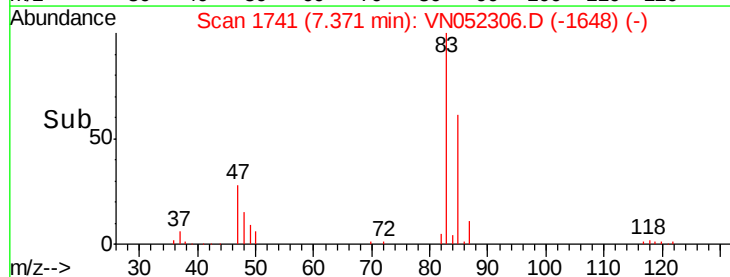
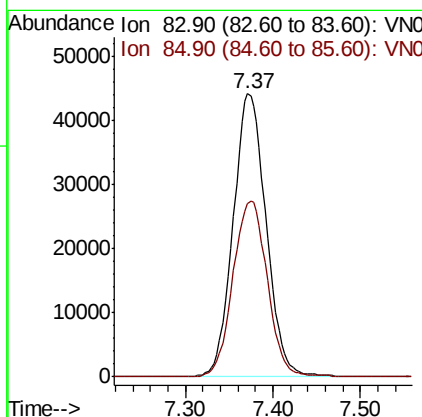
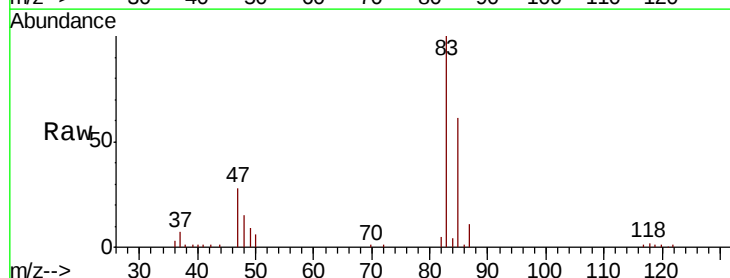
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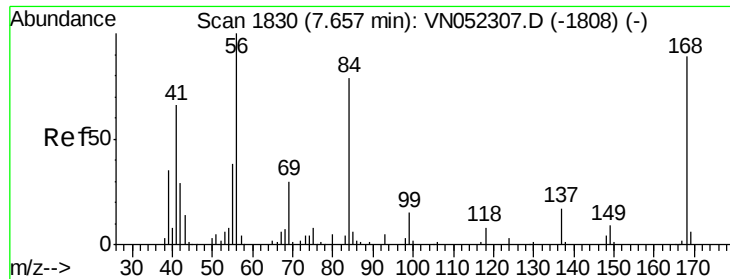
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#30
Chloroform
Concen: 19.605 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	49.4	74.2





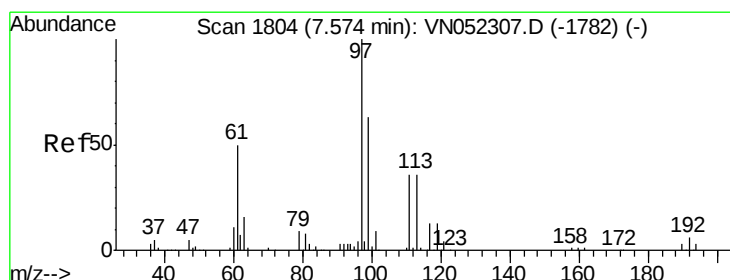
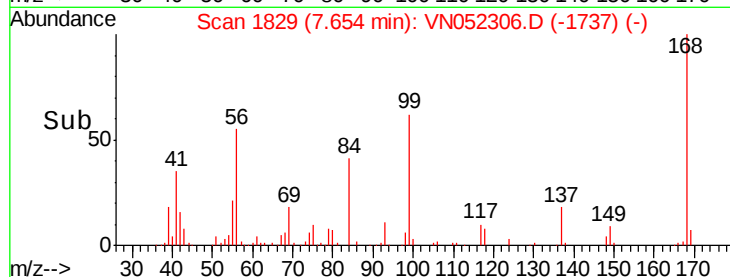
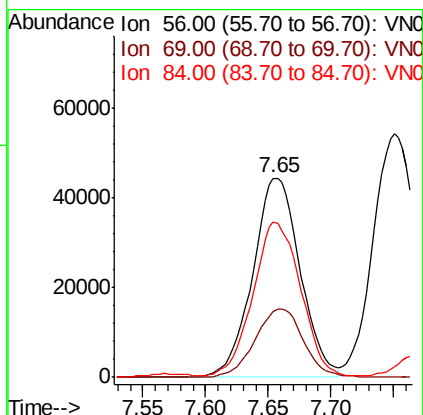
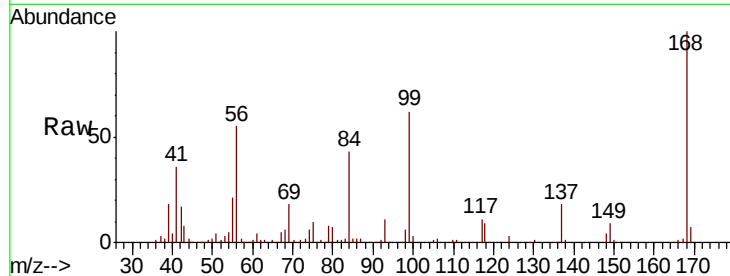
#31
Cyclohexane
Concen: 16.290 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	23.8	35.8
84	76.9	63.0	94.6

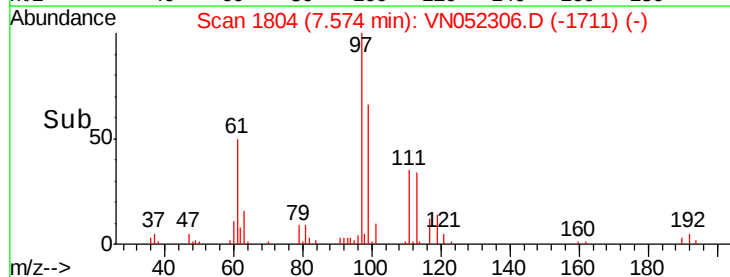
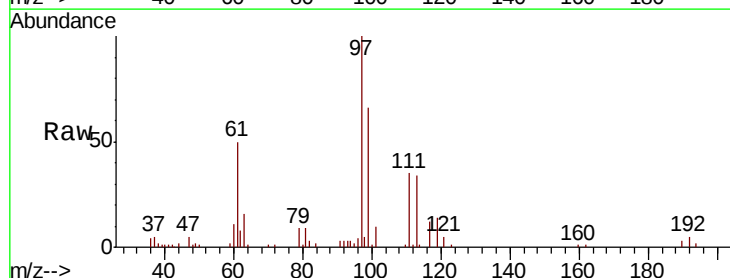
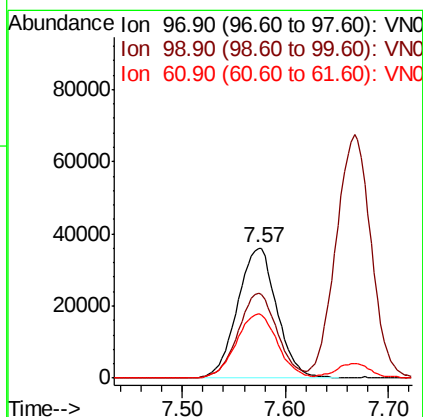
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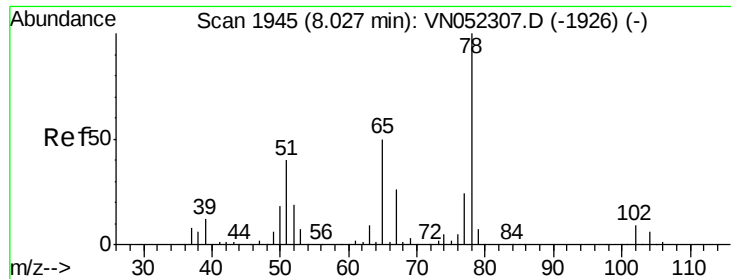
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#32
1,1,1-Trichloroethane
Concen: 19.089 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.2	75.2
61	51.7	40.2	60.4





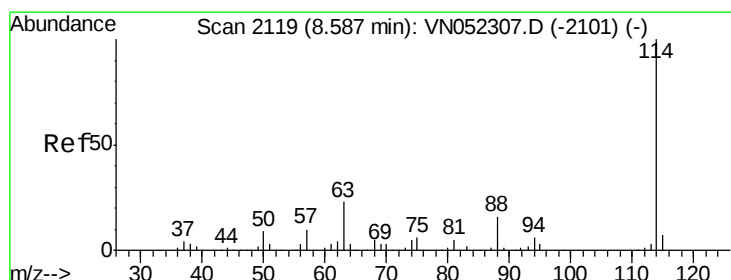
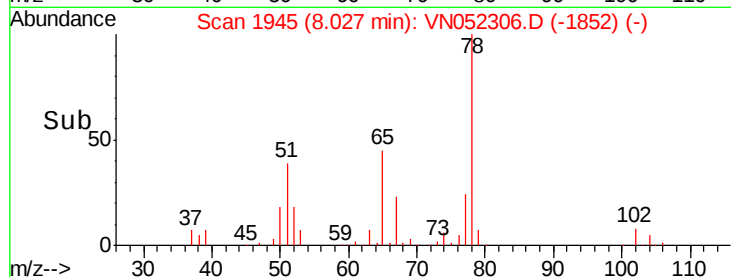
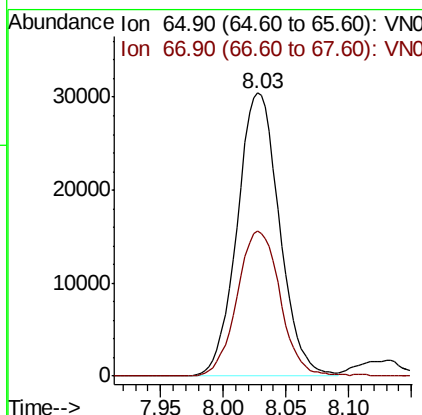
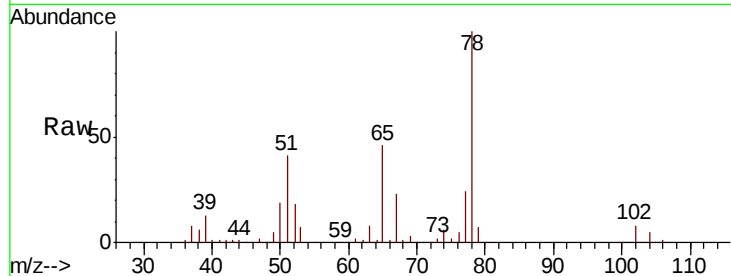
#33
 1,2-Dichloroethane-d4
 Concen: 19.089 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	105.2

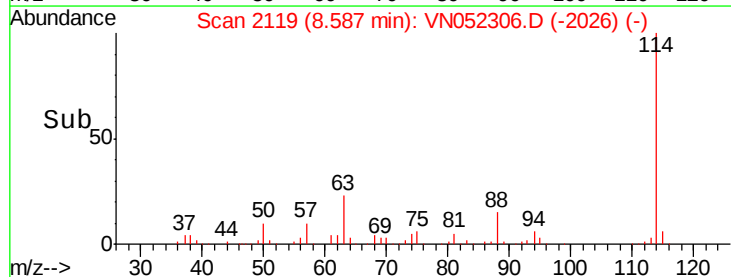
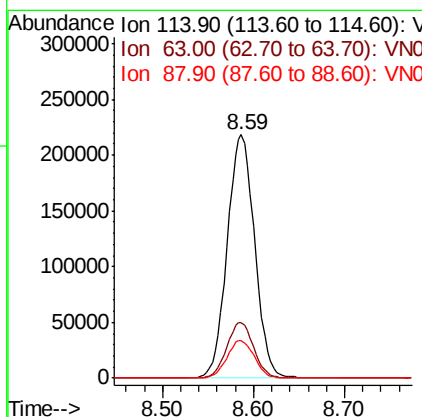
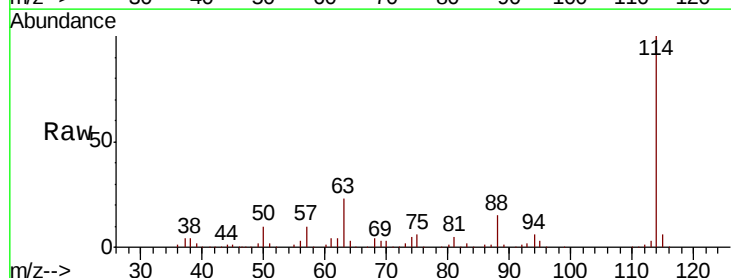
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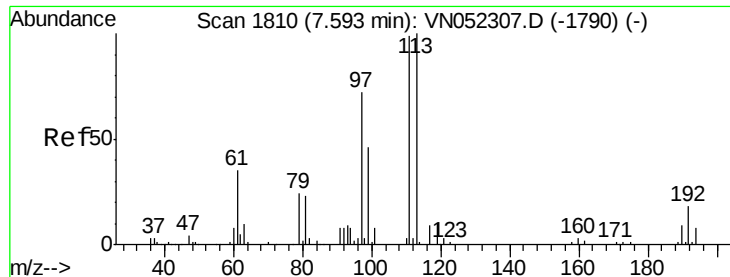
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	45.4
88	15.3	0.0	31.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

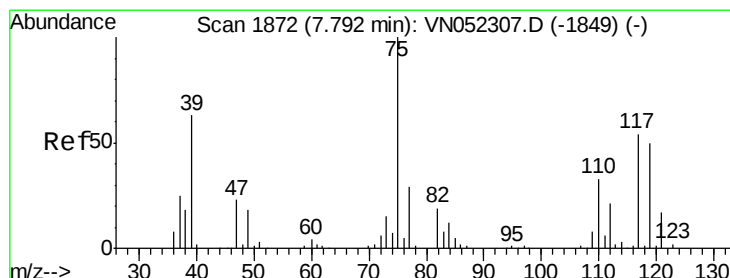
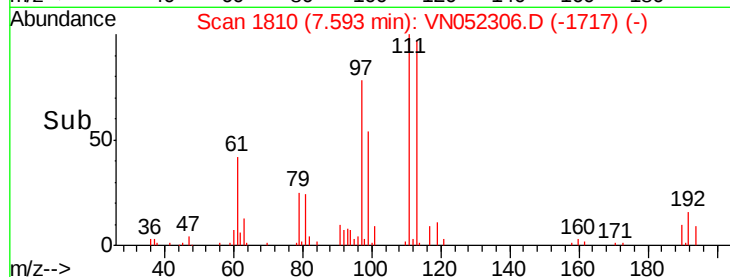
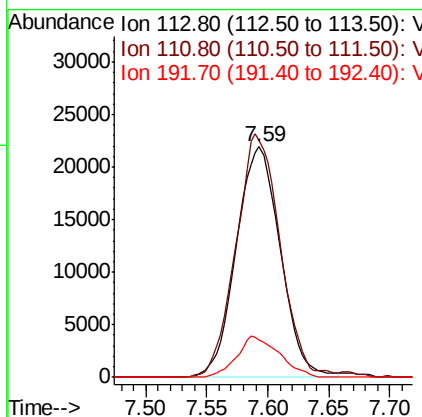
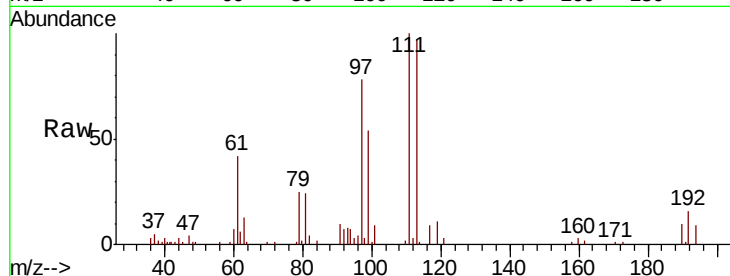
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	54960
Ion	Ratio	Lower	Upper
113	100		
111	105.5	81.0	121.6
192	17.1	13.8	20.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.247 ug/l

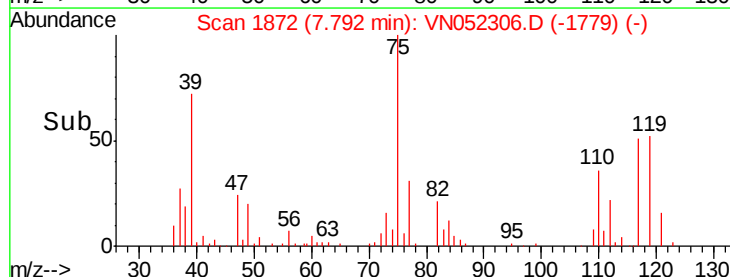
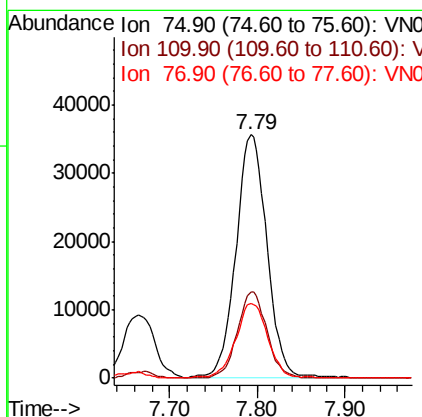
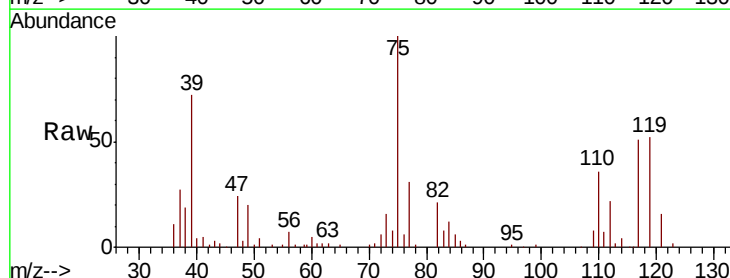
RT: 7.79 min Scan# 1872

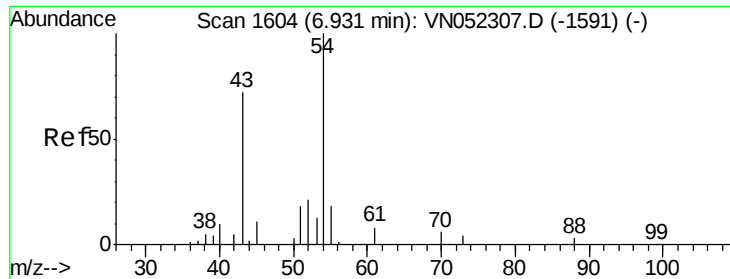
Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion:	75	Resp:	88015
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.5	49.5
77	31.5	24.2	36.2





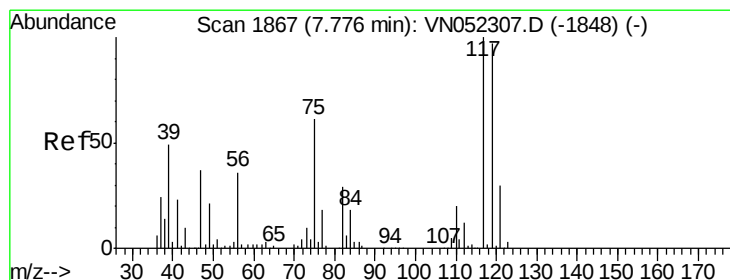
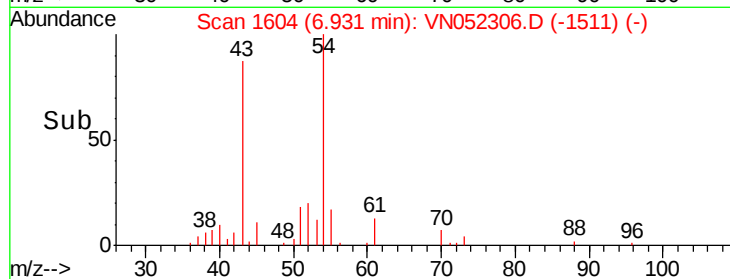
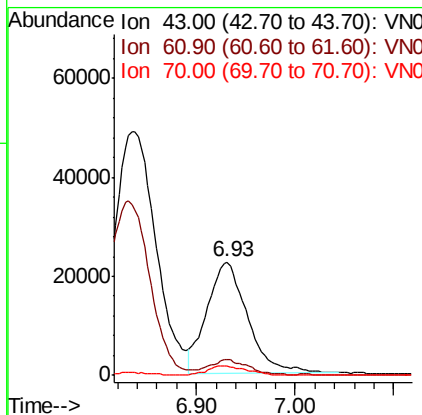
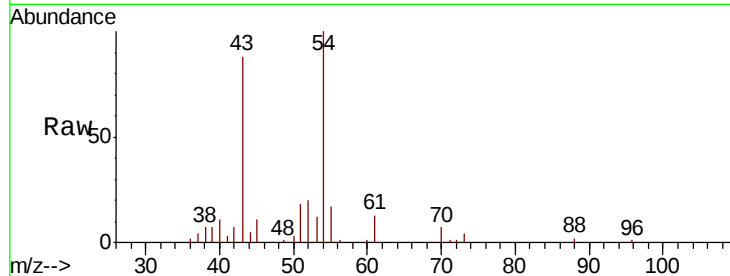
#37
Ethyl Acetate
Concen: 18.714 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70
Ratio	100	12.4	8.1
Lower		10.3	5.6
Upper		15.5	8.4

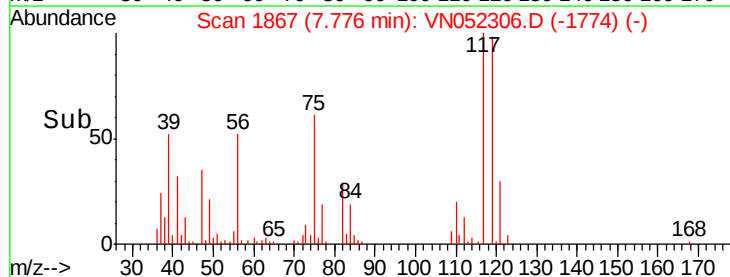
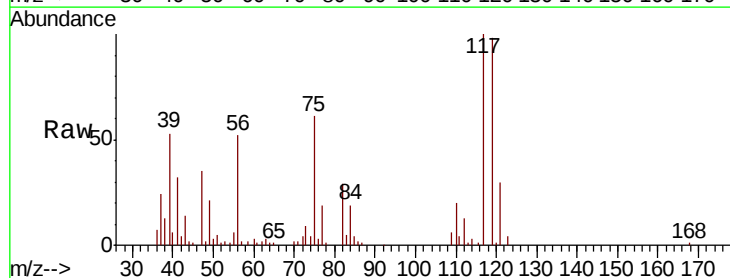
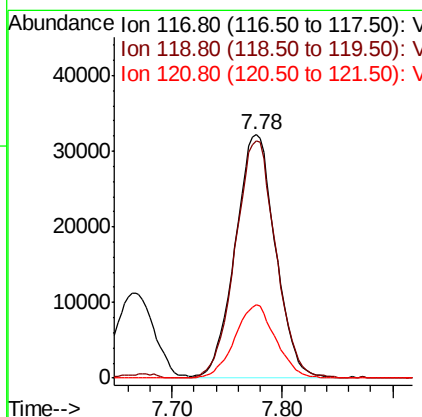
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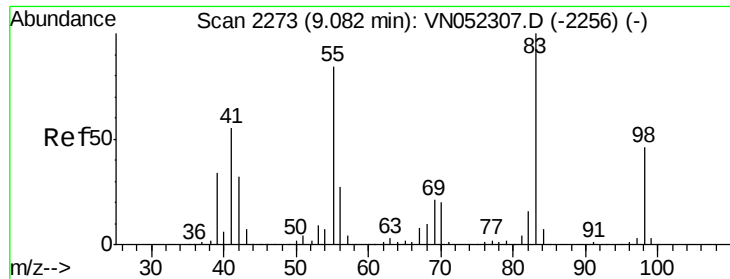
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#38
Carbon Tetrachloride
Concen: 19.409 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	117	119	121
Ratio	100	97.6	30.3
Lower		77.4	24.0
Upper		116.0	36.0





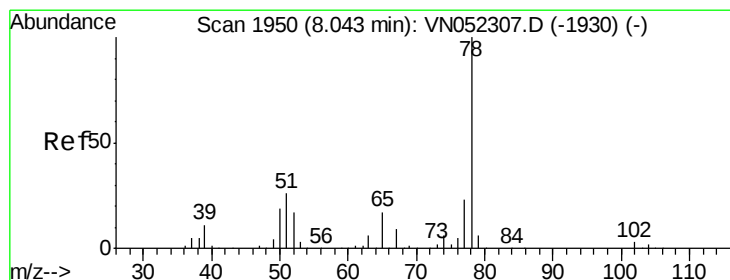
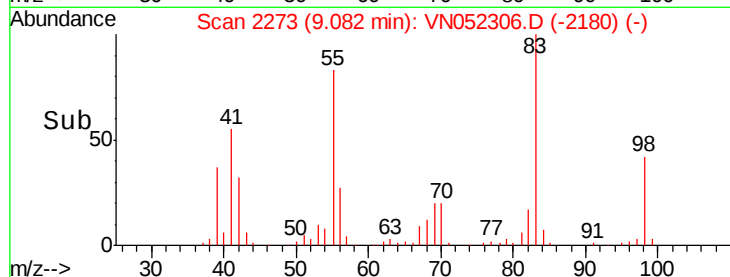
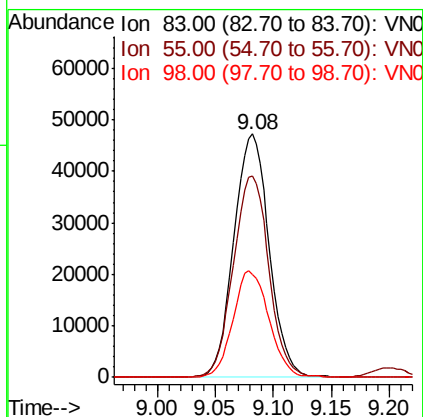
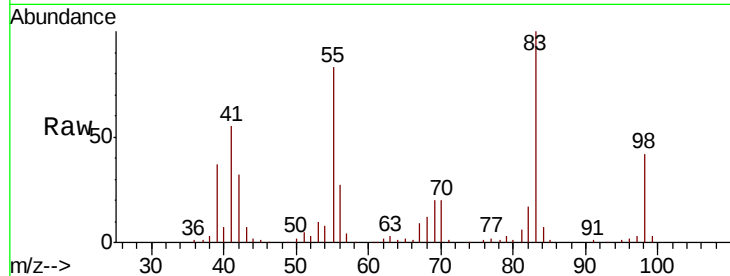
#39
Methvlcvclohexane
Concen: 19.148 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	99956
Ion Ratio	100	Lower	Upper
83	100		
55	82.7	66.8	100.2
98	42.5	36.4	54.6

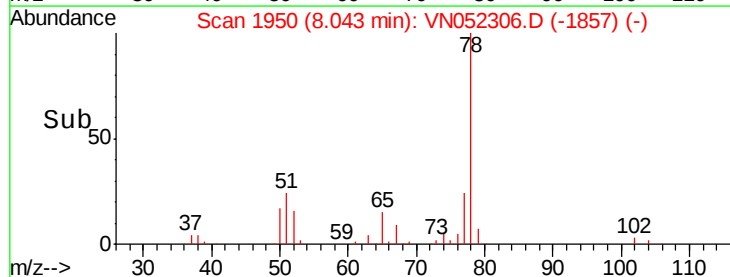
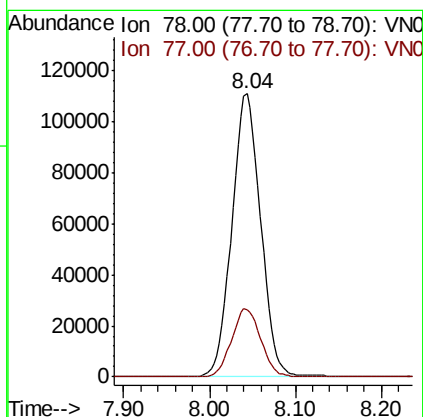
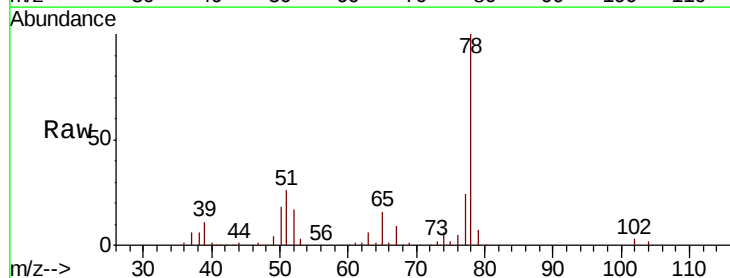
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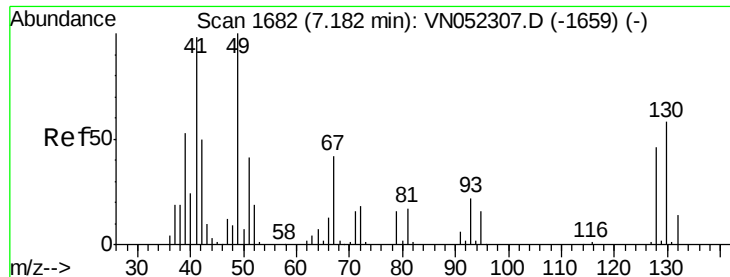
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#40
Benzene
Concen: 19.742 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	78	Resp	257902
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.7	28.1





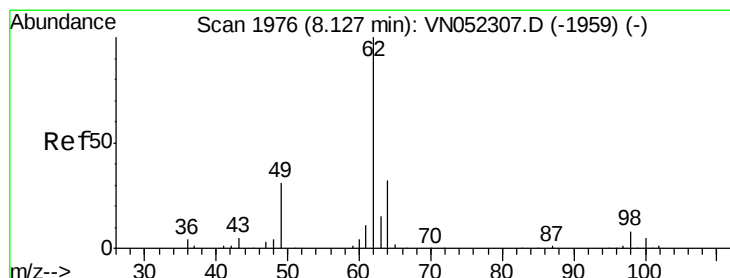
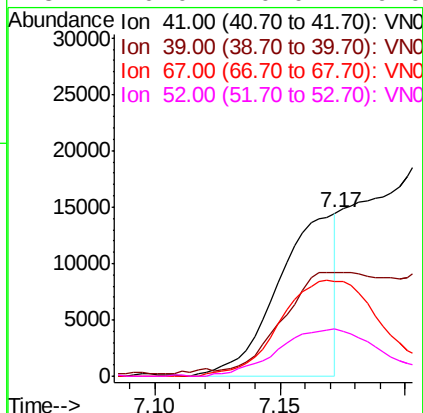
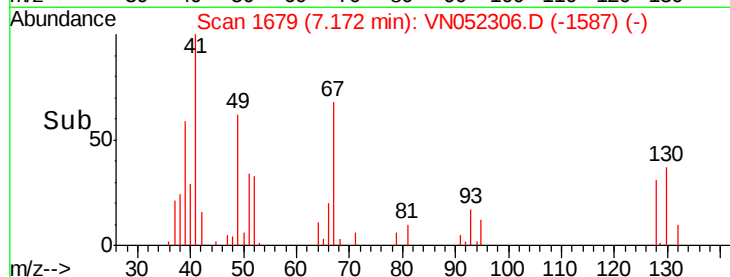
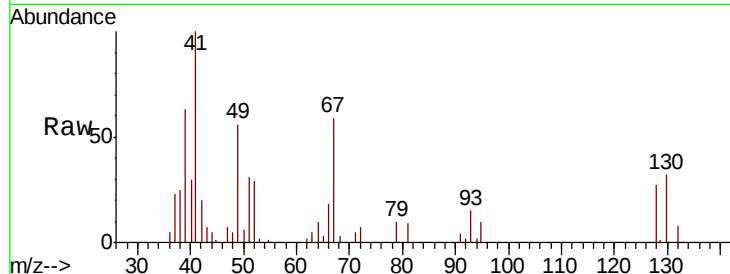
#41
Methacrylonitrile
Concen: 12.416 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

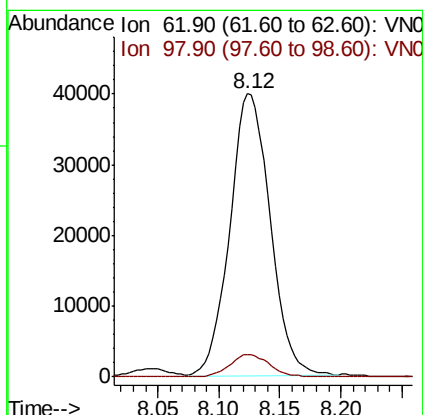
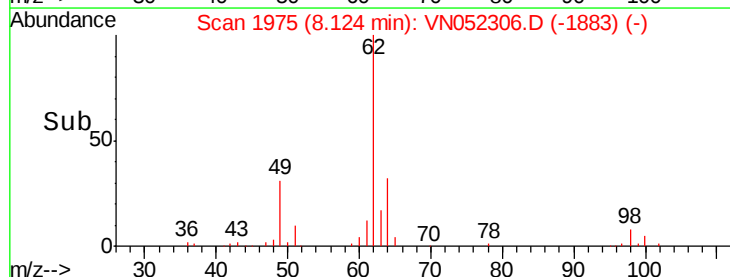
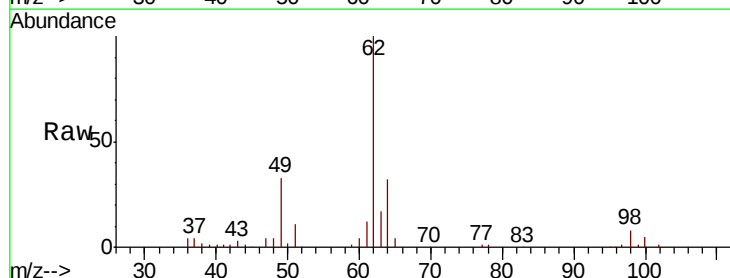
Manual Integrations
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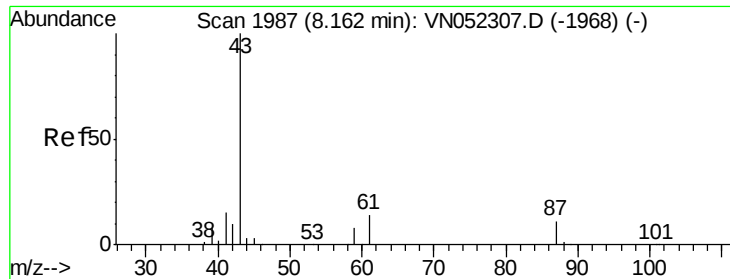
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.621 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6





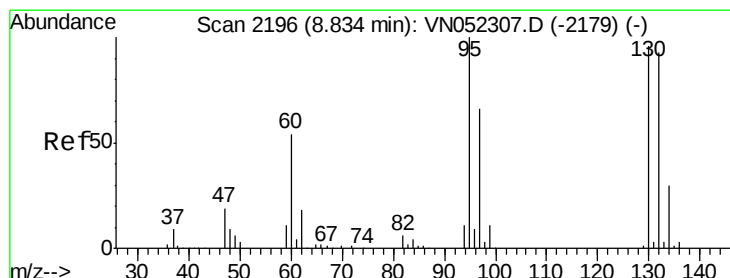
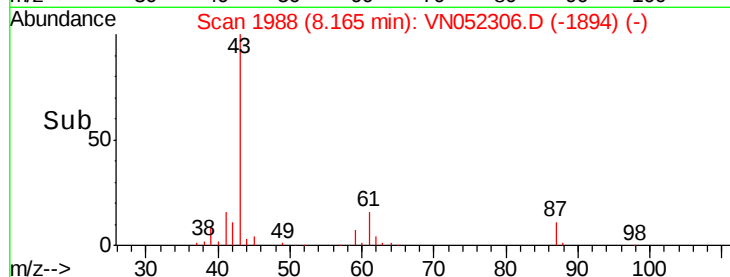
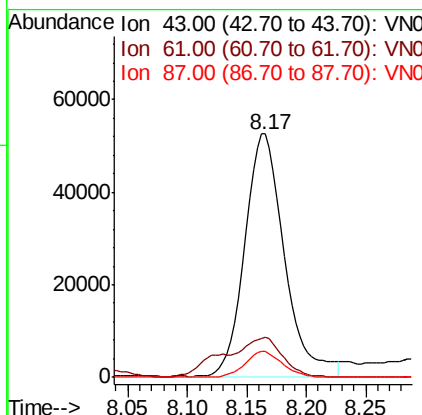
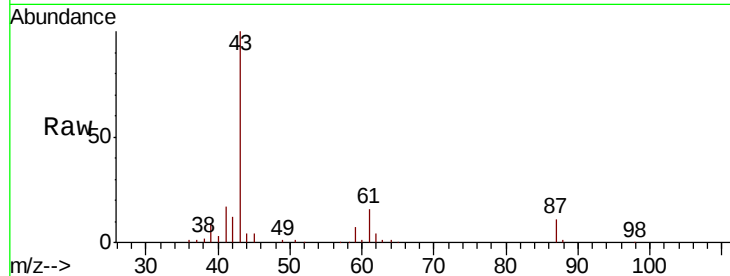
#43
Isopropyl Acetate
Concen: 18.882 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.7	12.0	18.0#
87	10.0	8.3	12.5

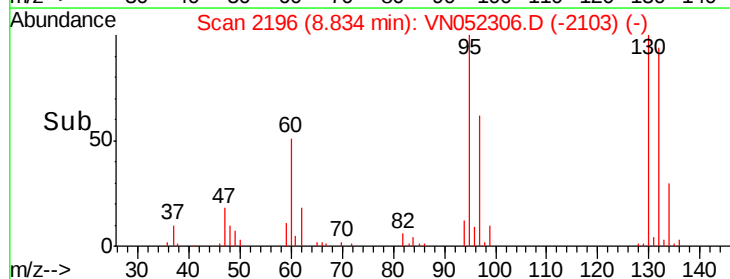
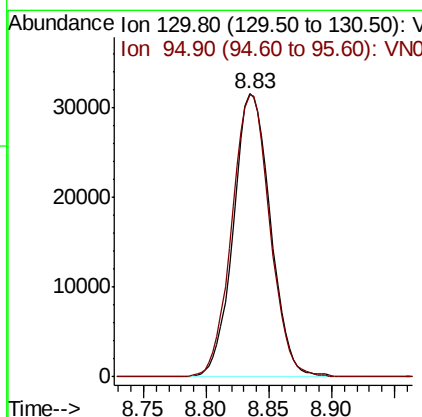
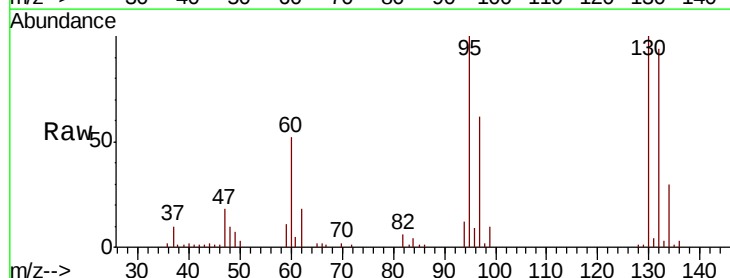
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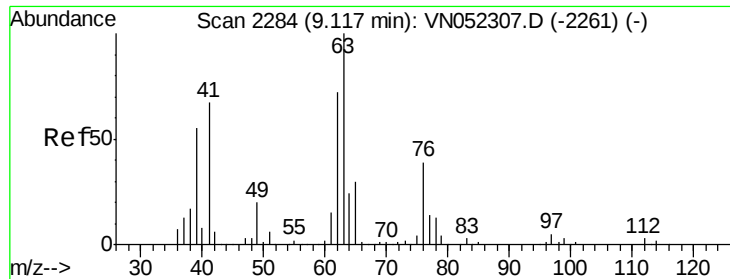
MMDadoda
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#44
Trichloroethene
Concen: 20.219 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	208.4





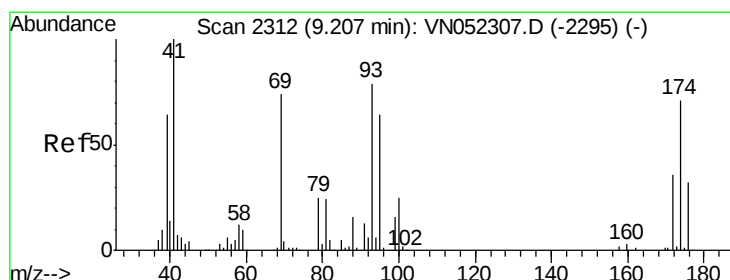
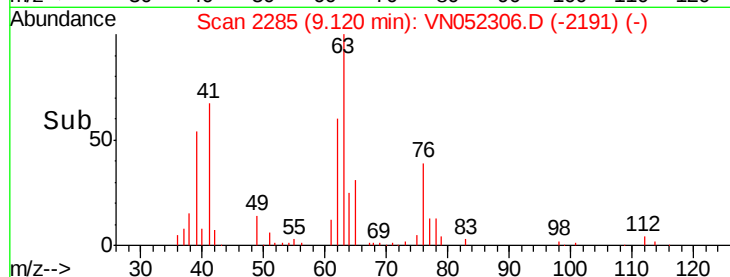
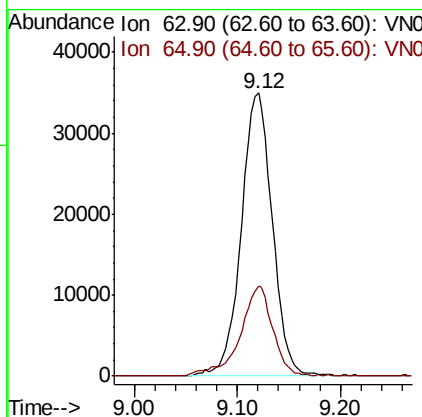
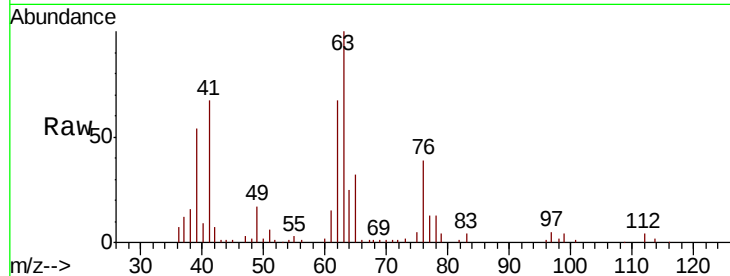
#45
 1,2-Dichloropropane
 Concen: 19.764 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 73272
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.2 36.4

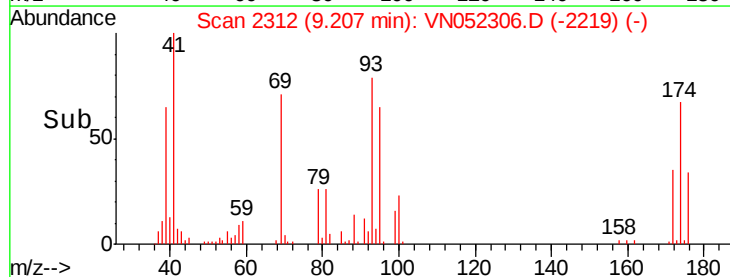
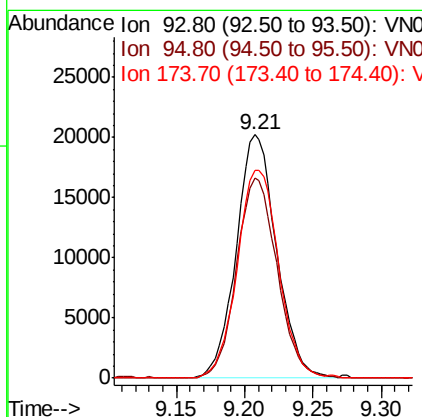
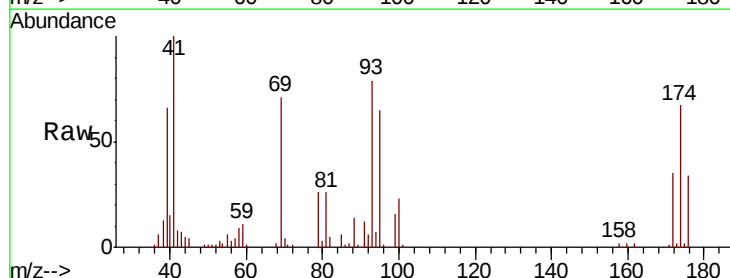
Manual Integrations
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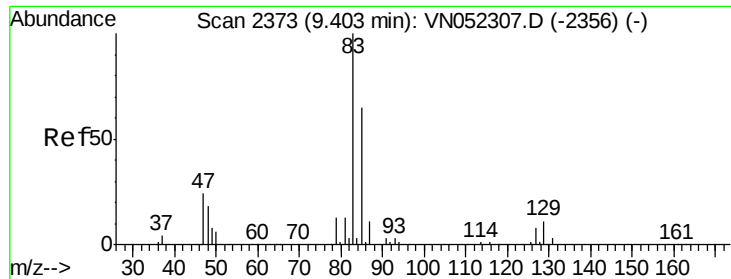
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#46
 Dibromomethane
 Concen: 19.362 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 93 Resp: 41556
 Ion Ratio Lower Upper
 93 100
 95 82.6 64.2 96.2
 174 87.7 70.9 106.3





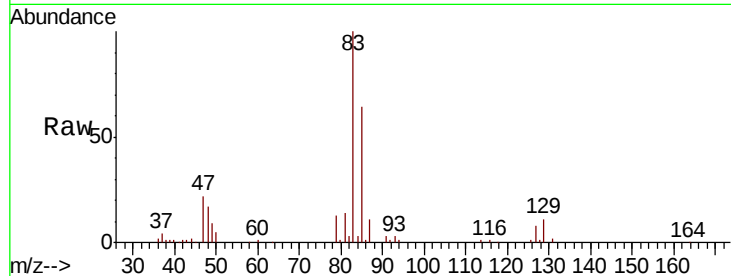
#47
Bromodichloromethane
Concen: 19.506 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

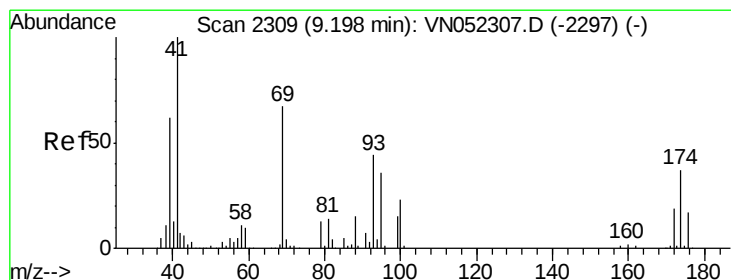
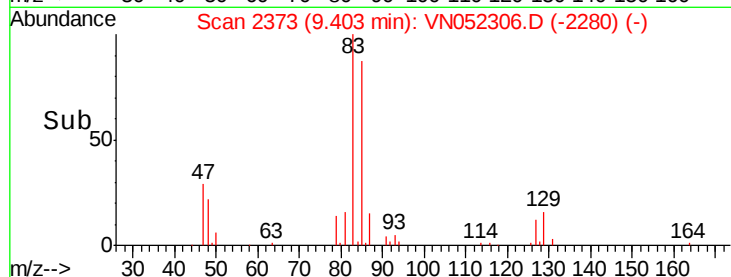
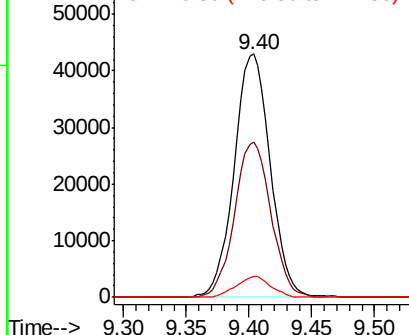
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.4
127	8.4	6.7	10.1

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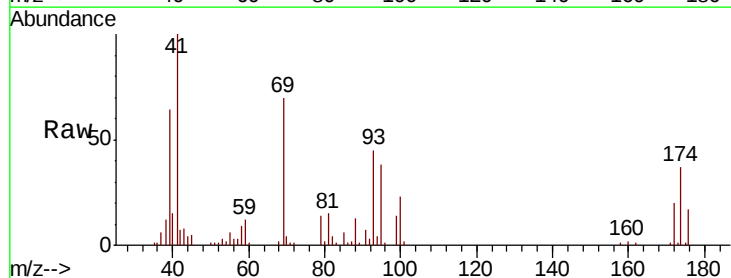


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

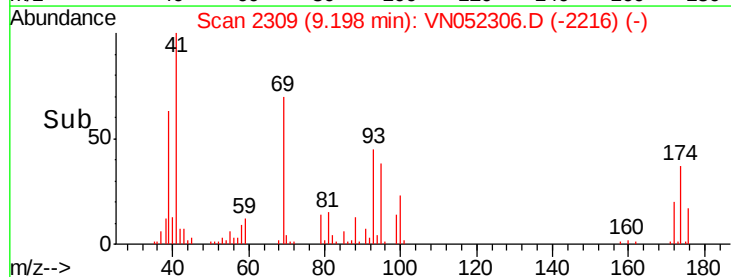
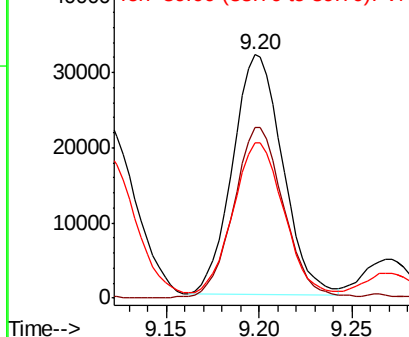


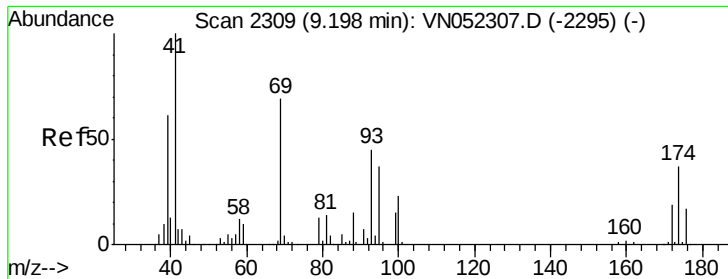
#48
Methyl methacrylate
Concen: 18.320 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.8	57.1	85.7
39	66.0	52.5	78.7



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





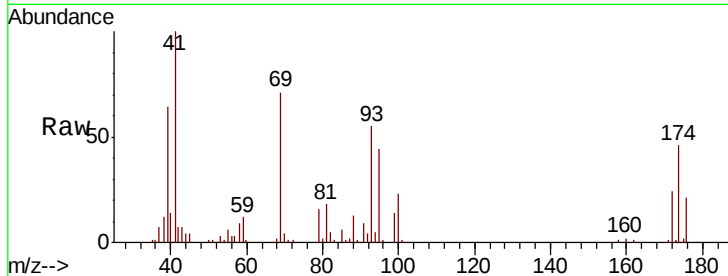
#49
1,4-Dioxane
Concen: 359.429 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	33.3	49.9
58	72.2	59.2	88.8

Manual Integrations
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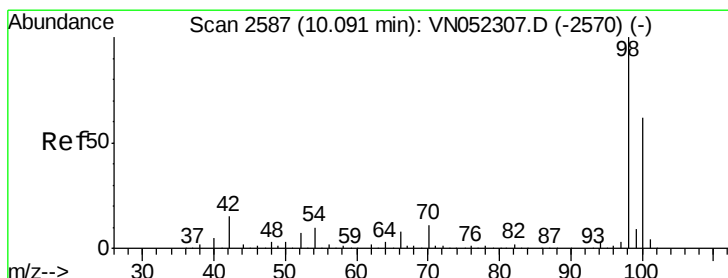
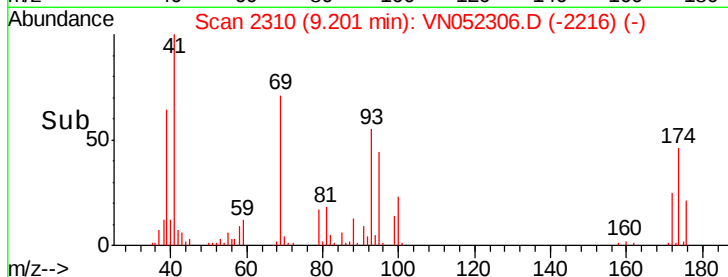
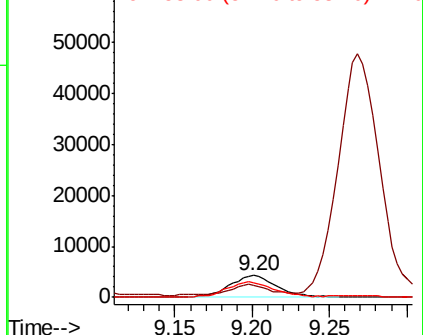


Abundance

Ion 88.00 (87.70 to 88.70): VN052307.D (-2295) (-)

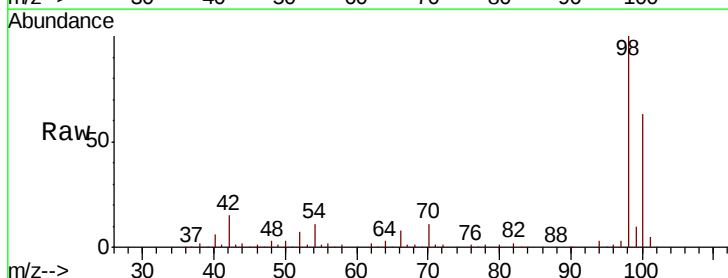
Ion 43.00 (42.70 to 43.70): VN052307.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2295) (-)



#50
Toluene-d8
Concen: 359.429 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

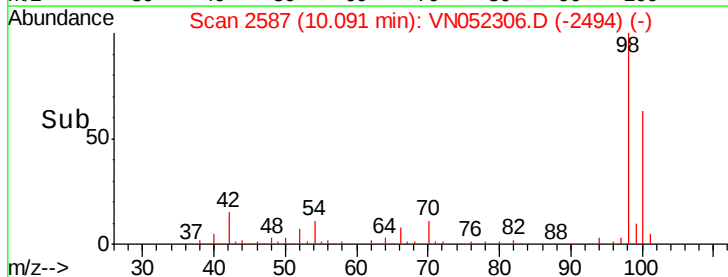
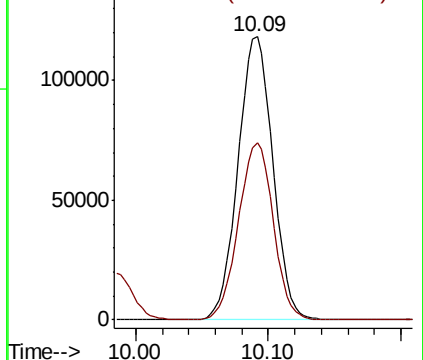
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.3	49.5	74.3



Abundance

Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 98.631 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 317948

Ion Ratio Lower Upper

43 100

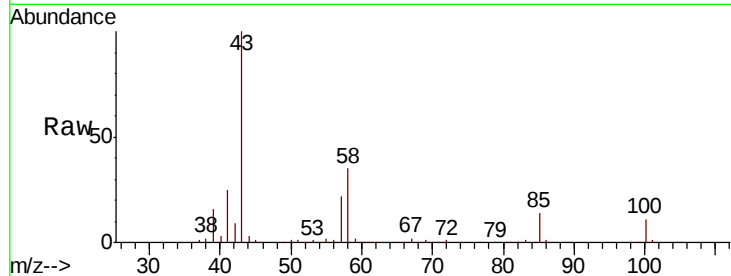
58 34.2 27.0 40.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

200000

150000

100000

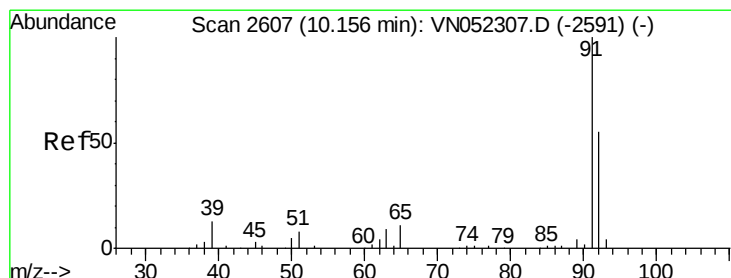
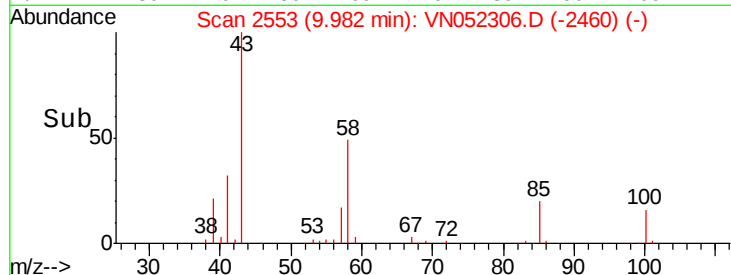
50000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 19.608 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052306.D

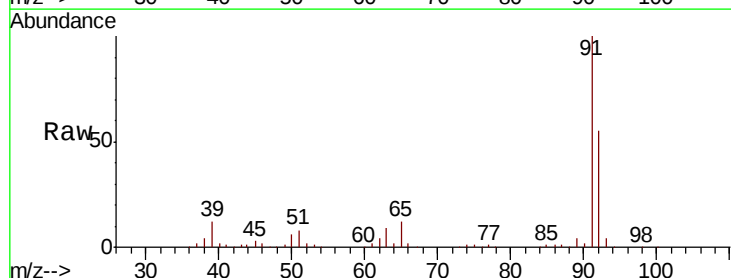
Acq: 14 Nov 2018 11:24

Tgt Ion: 92 Resp: 153233

Ion Ratio Lower Upper

92 100

91 180.2 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

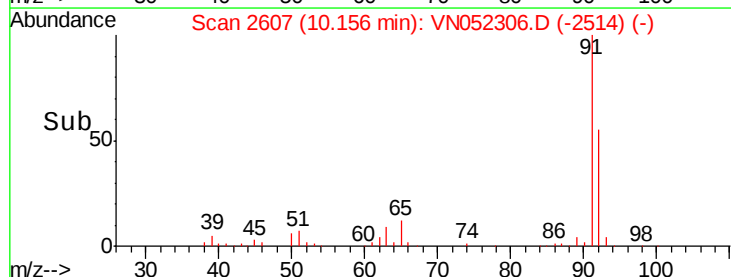
50000

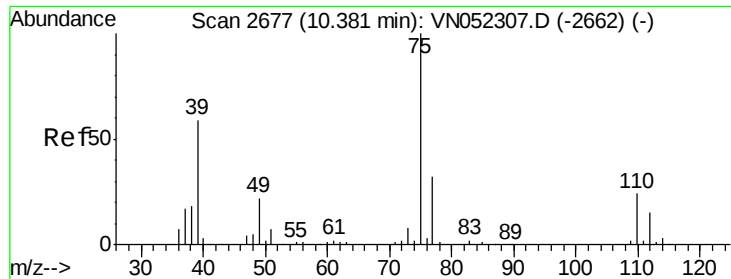
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.320 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 85819

Ion Ratio Lower Upper

75 100

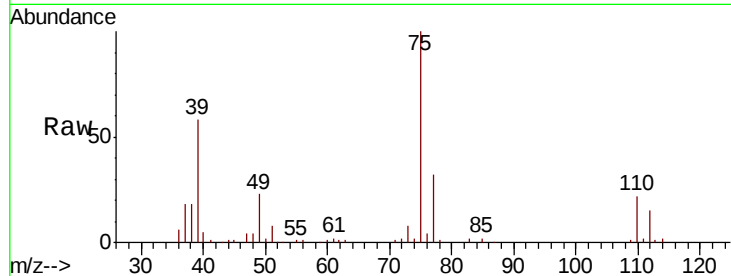
77 31.7 25.7 38.5

Manual Integrations

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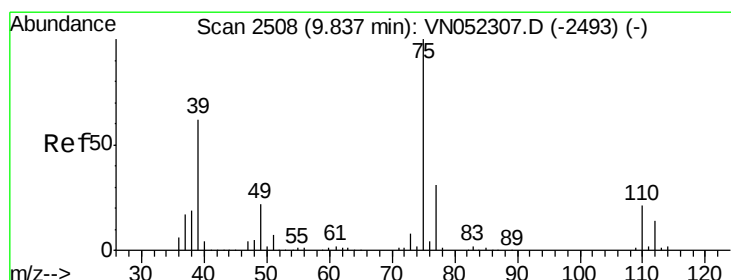
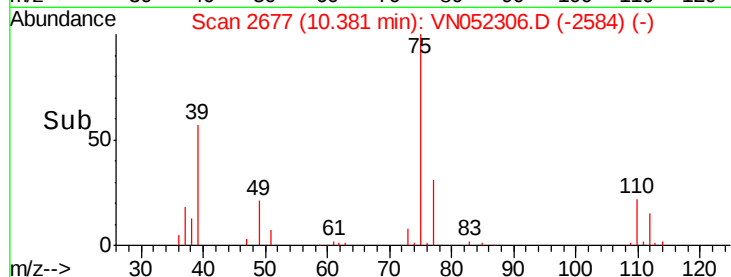
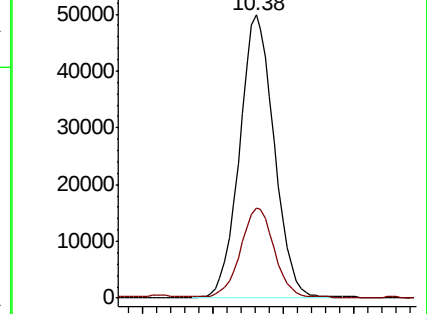
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.604 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

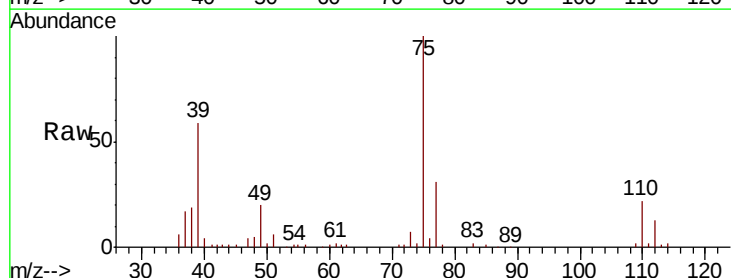
Tgt Ion: 75 Resp: 99267

Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8

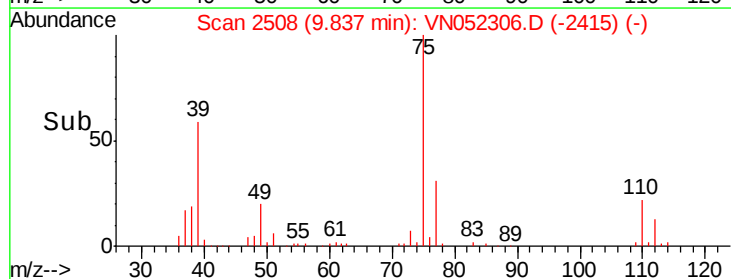
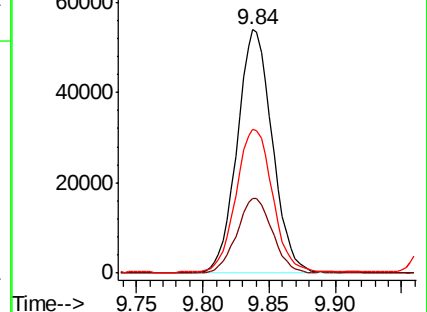
39 58.5 49.9 74.9

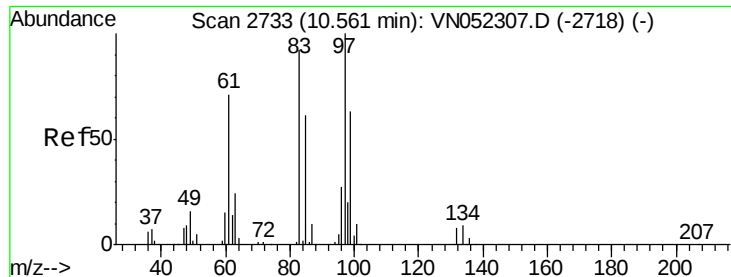


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.566 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

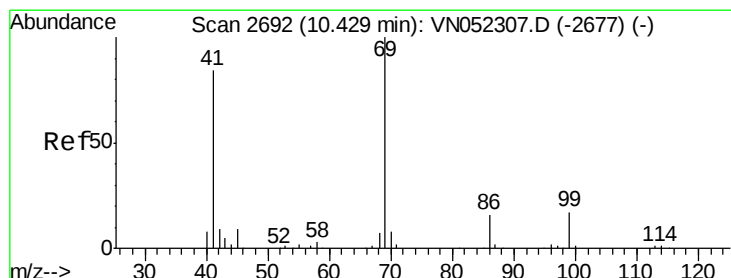
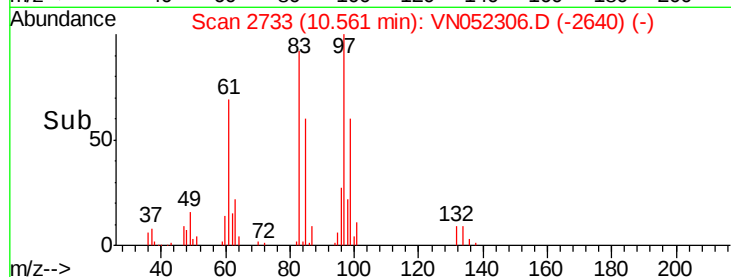
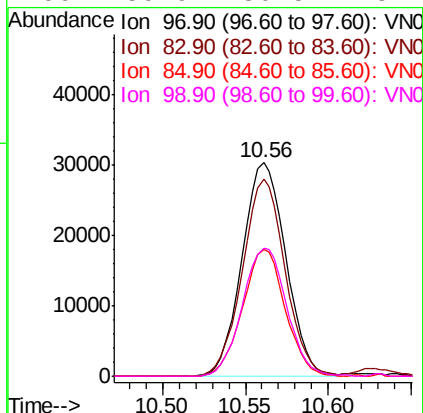
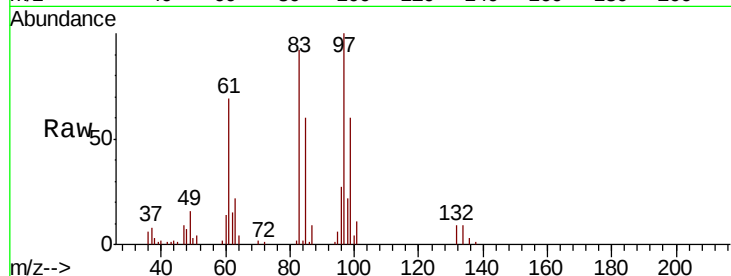
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	55430
Ion	Ratio	Lower	Upper
97	100		
83	92.2	73.8	110.6
85	59.5	49.0	73.4
99	59.9	50.5	75.7

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#56

Ethyl methacrylate

Concen: 19.759 ug/l

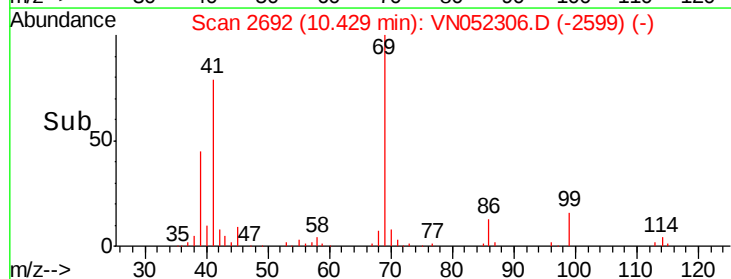
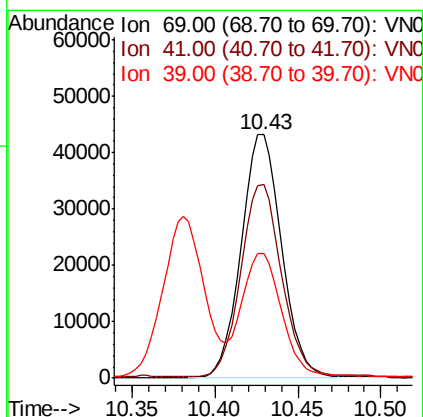
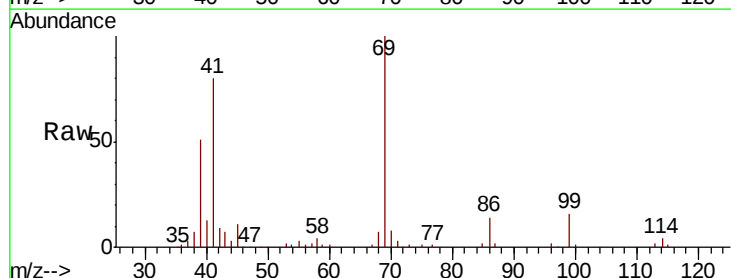
RT: 10.43 min Scan# 2692

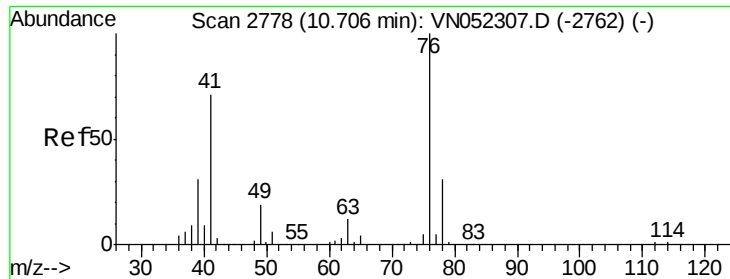
Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion:	69	Resp:	73617
Ion	Ratio	Lower	Upper
69	100		
41	79.2	64.8	97.2
39	49.7	41.0	61.6





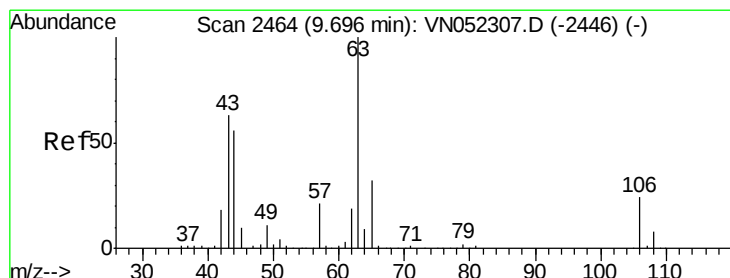
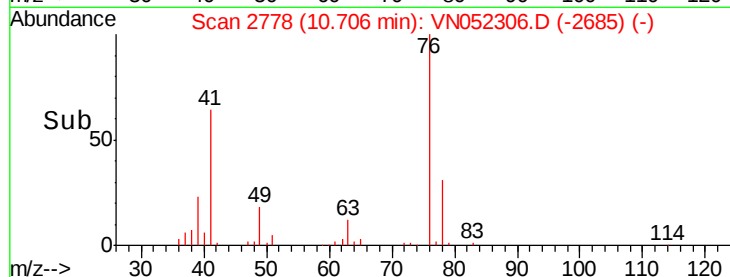
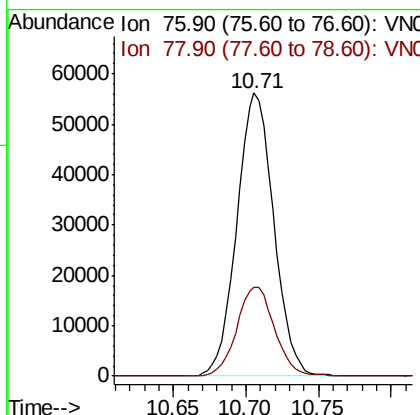
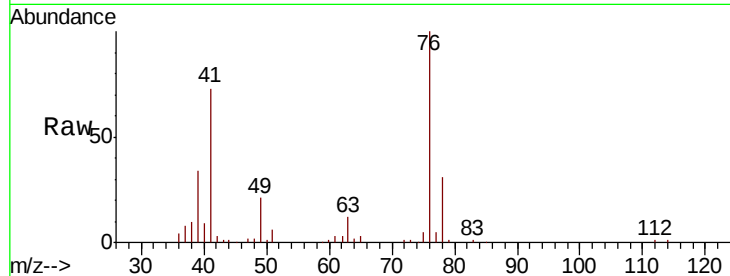
#57
 1,3-Dichloropropane
 Concen: 19.811 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 99412
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

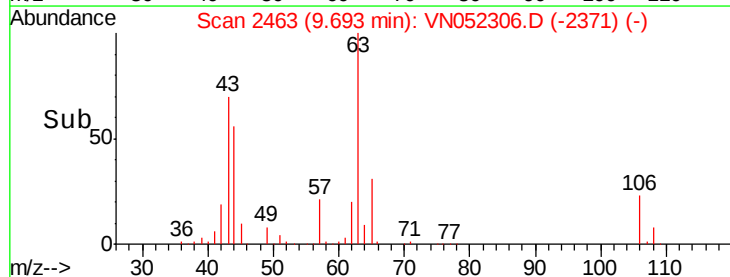
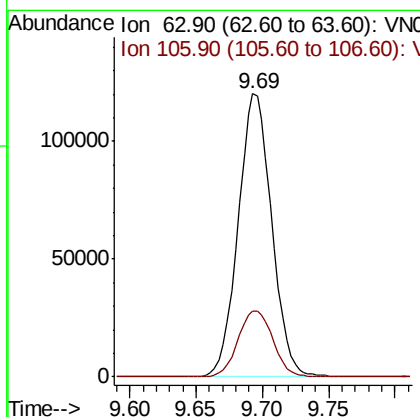
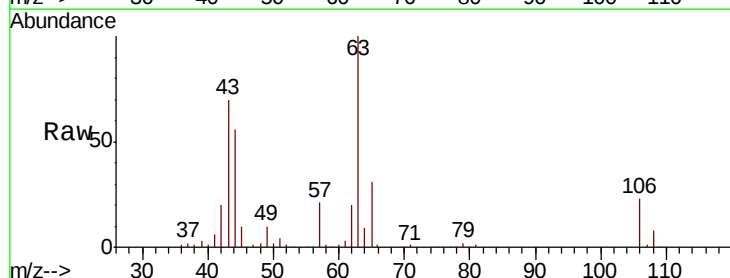
Manual Integrations
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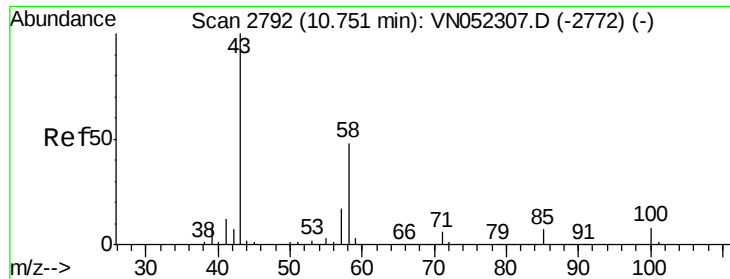
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.664 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion: 63 Resp: 211405
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.3 28.9





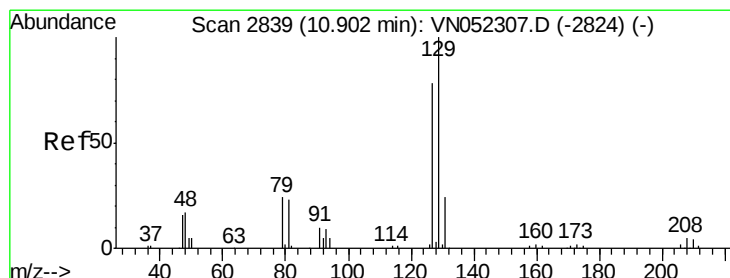
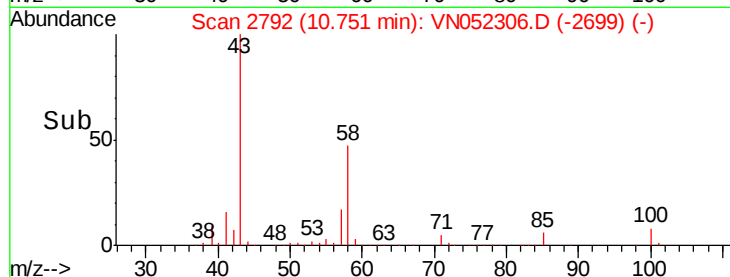
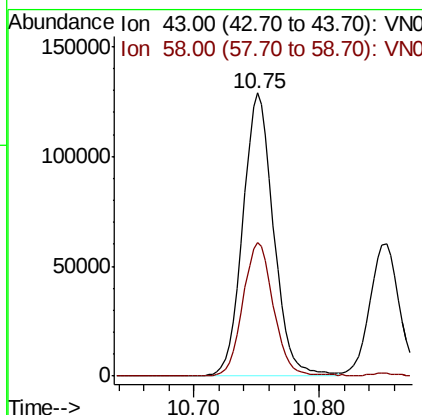
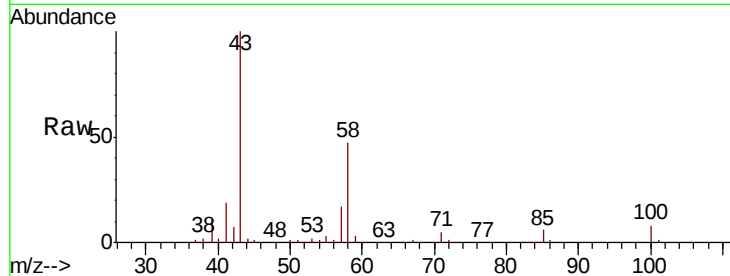
#59
2-Hexanone
Concen: 99.375 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 220345
Ion Ratio Lower Upper
43 100
58 46.9 23.5 70.6

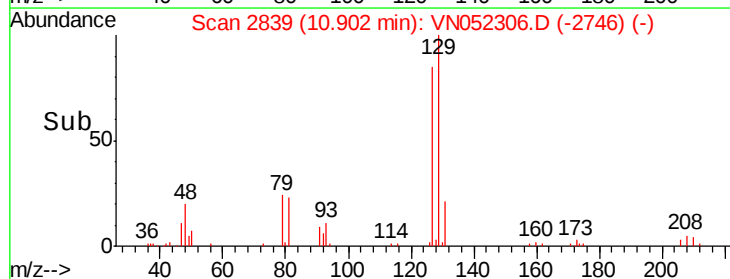
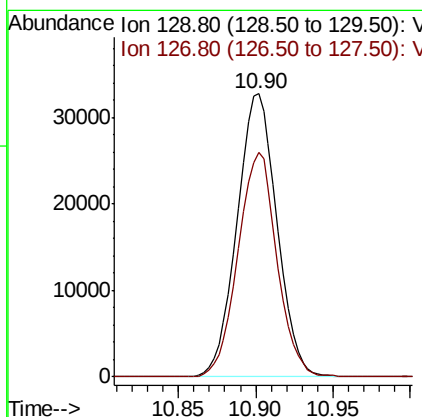
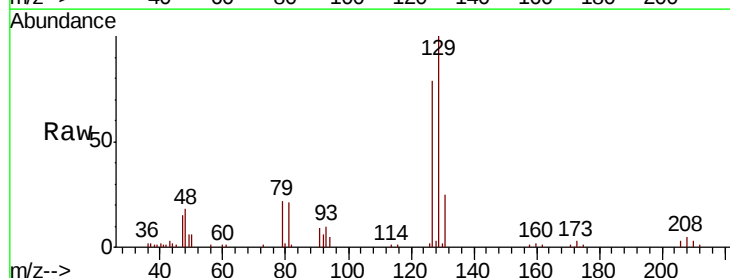
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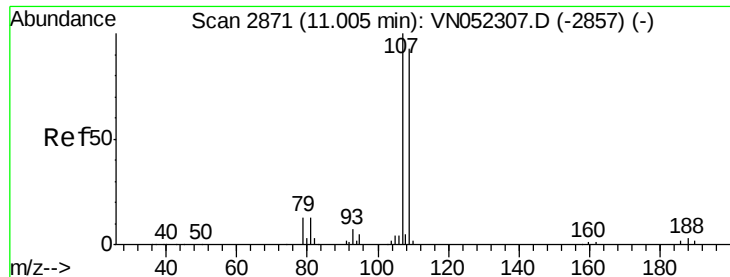
MMDadoda
11/20/2018 2:58:14 PM



#60
Dibromochloromethane
Concen: 19.175 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 129 Resp: 58775
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





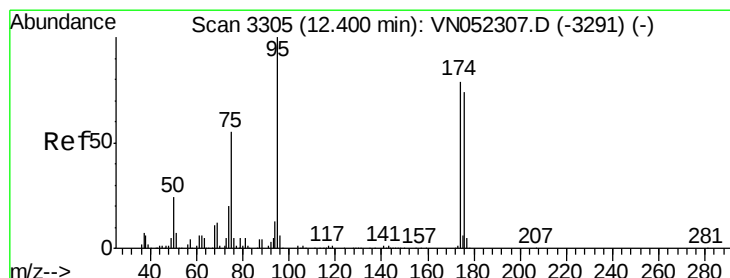
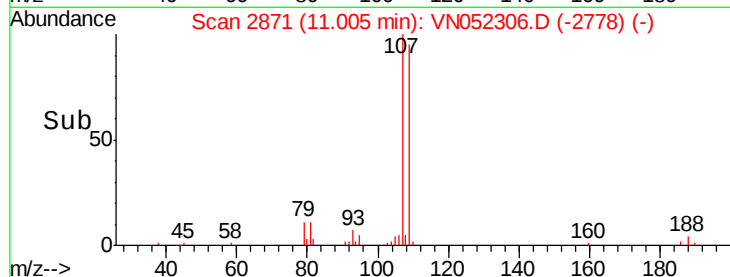
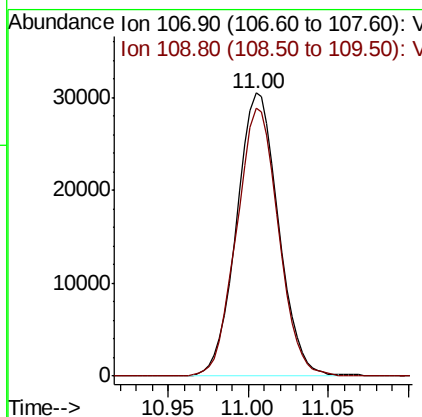
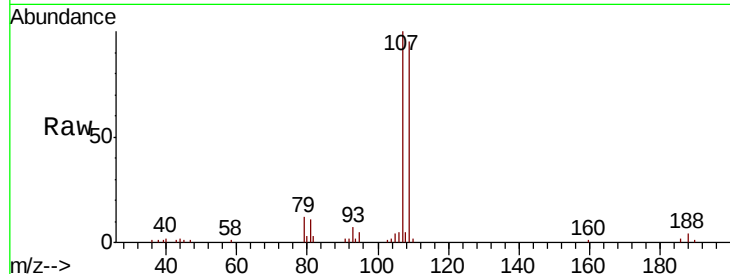
#61
 1,2-Dibromoethane
 Concen: 19.246 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.9	112.3

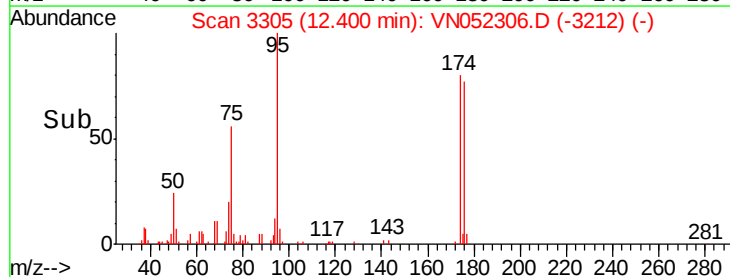
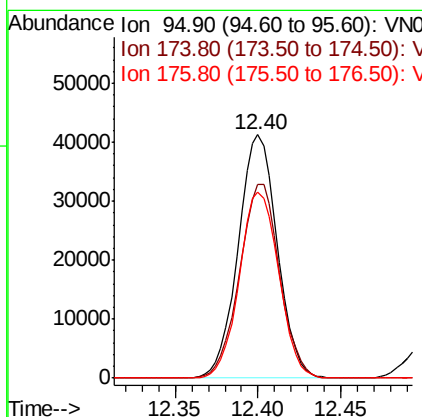
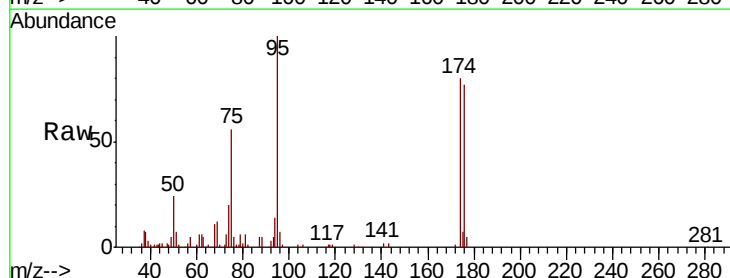
Manual Integrations
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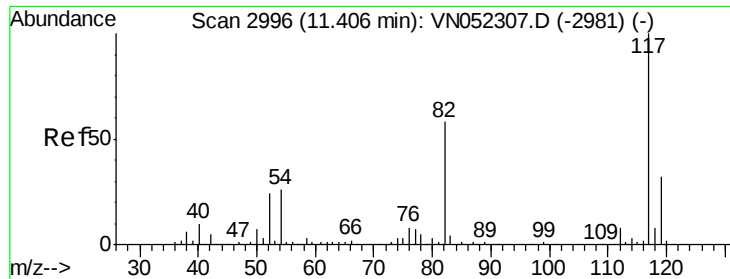
MMDadoda
 11/20/2018 2:58:14 PM



#62
 4-Bromofluorobenzene
 Concen: 19.246 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	156.0
176	77.2	0.0	148.4





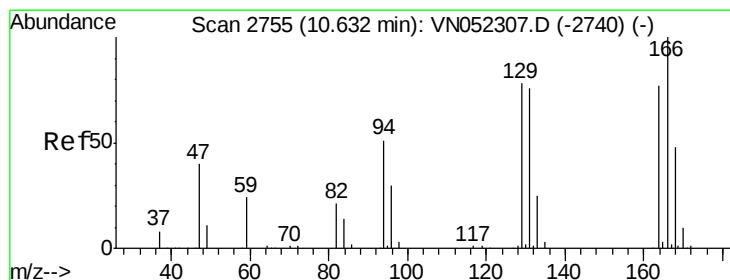
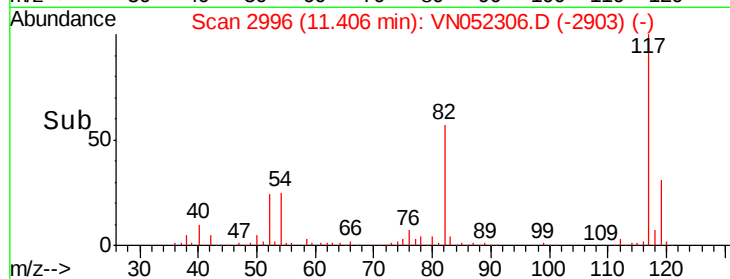
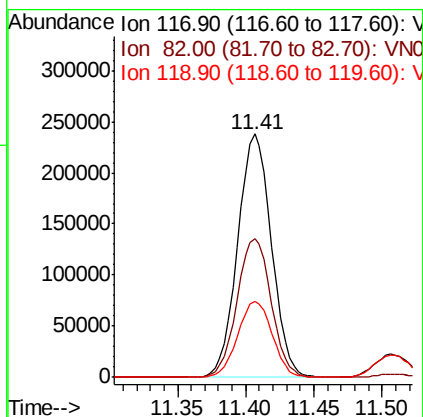
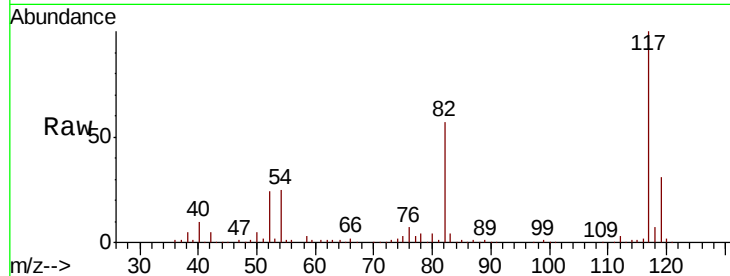
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.5	69.7
119	31.2	25.7	38.5

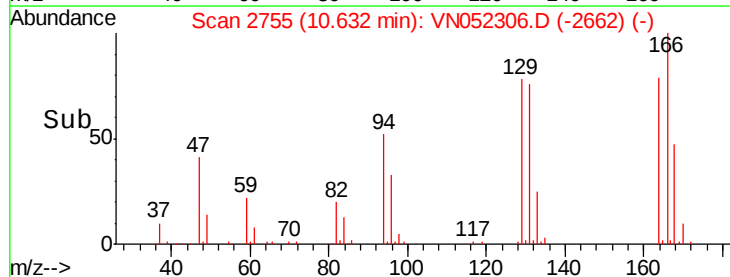
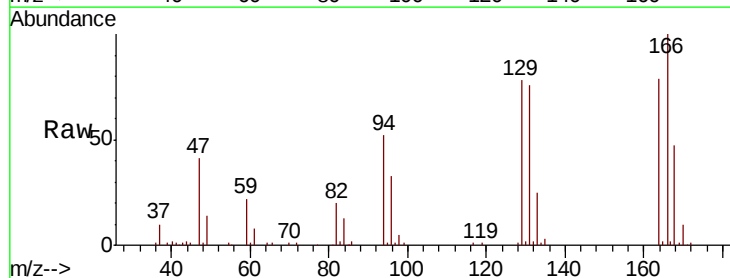
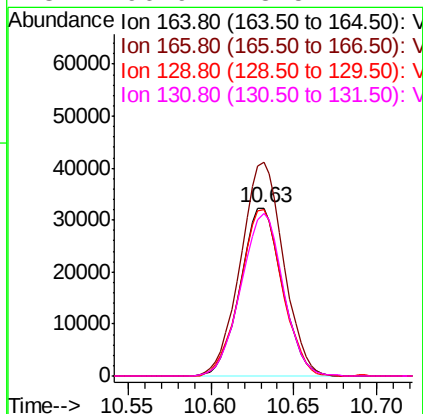
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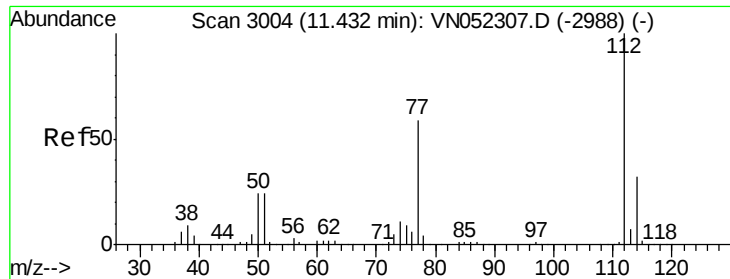
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#64
Tetrachloroethene
Concen: 19.498 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	103.8	155.6
129	98.7	80.7	121.1
131	96.9	78.5	117.7





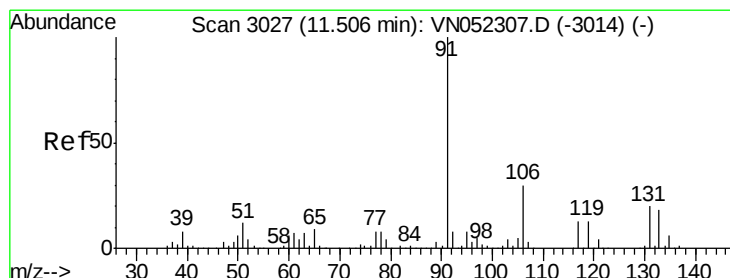
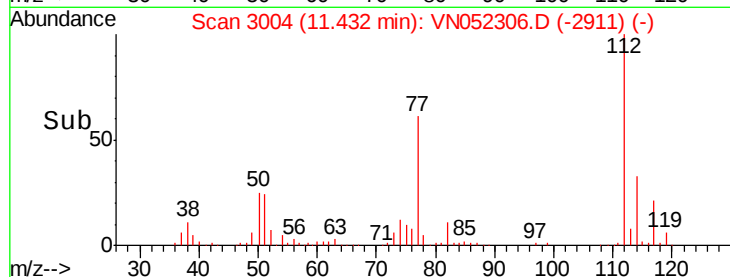
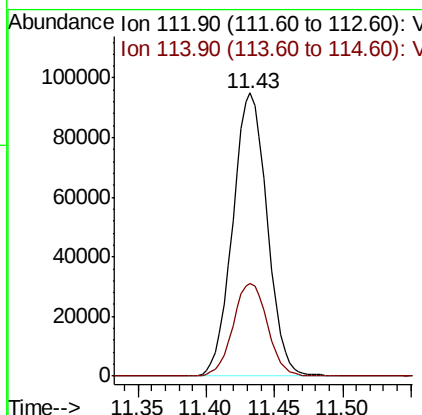
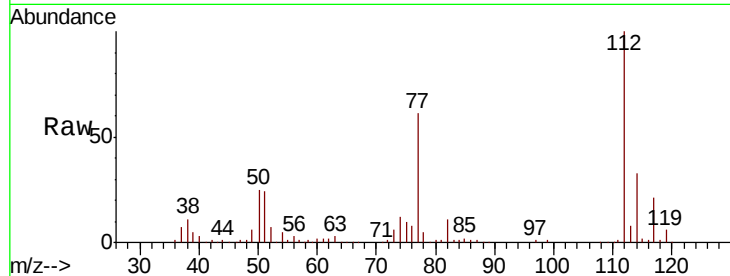
#65
Chlorobenzene
Concen: 19.191 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 165838
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9

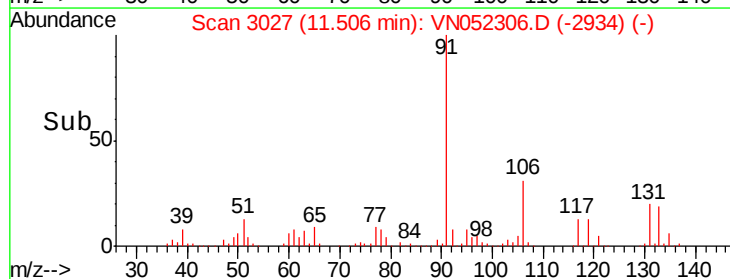
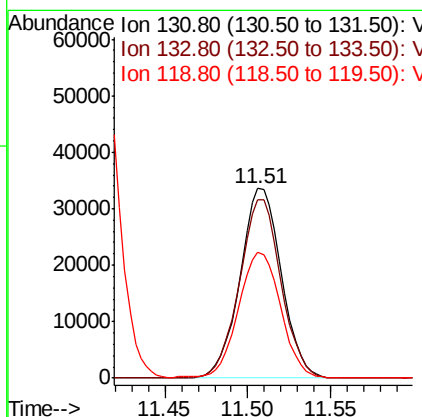
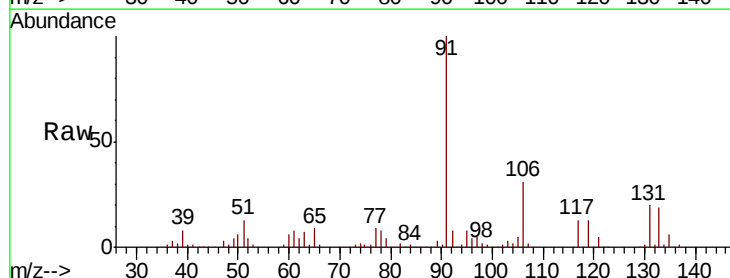
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.729 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion:131 Resp: 58135
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.3
119 67.8 33.3 99.9





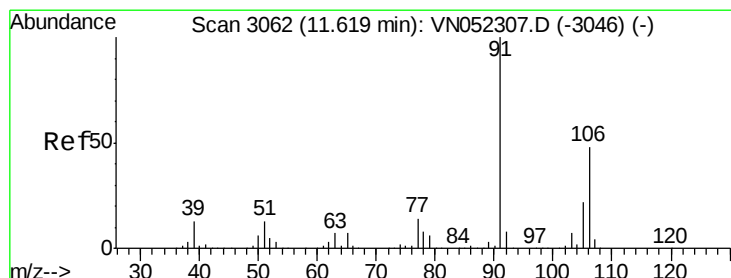
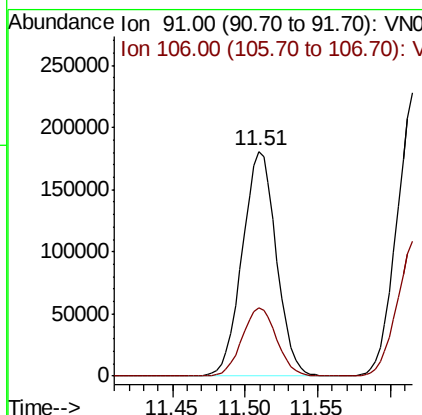
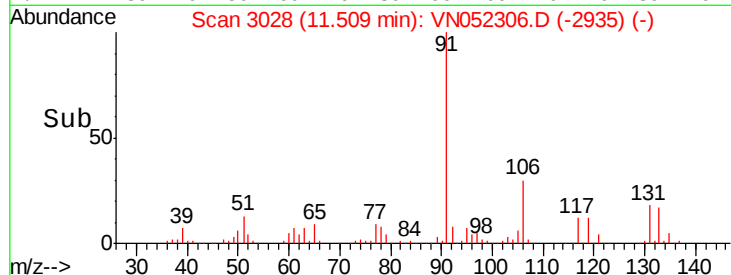
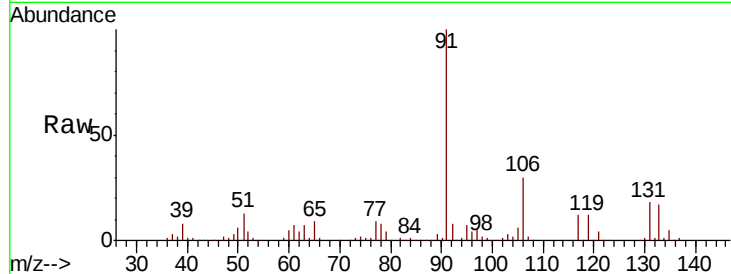
#67
Ethyl Benzene
Concen: 19.671 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 295030
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.2

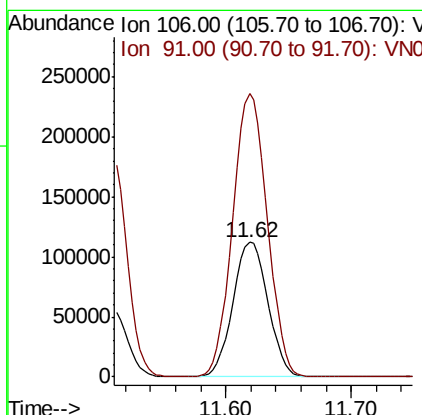
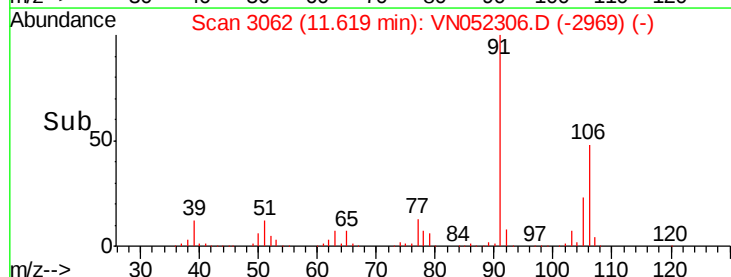
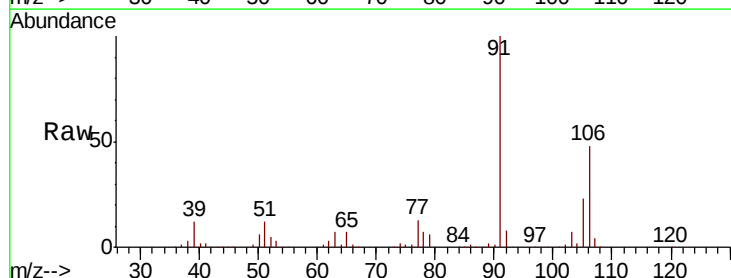
Manual Integrations
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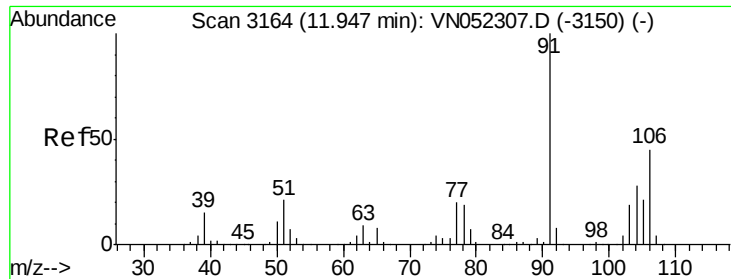
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#68
m/p-Xylenes
Concen: 39.717 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion: 106 Resp: 217646
Ion Ratio Lower Upper
106 100
91 207.8 165.5 248.3





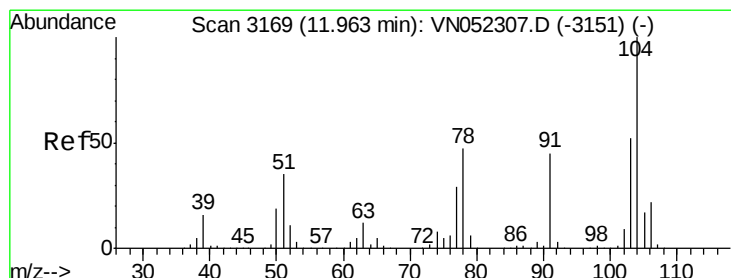
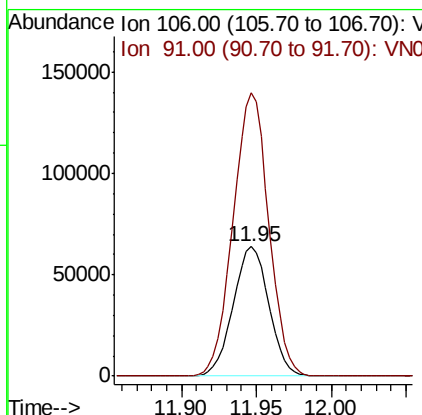
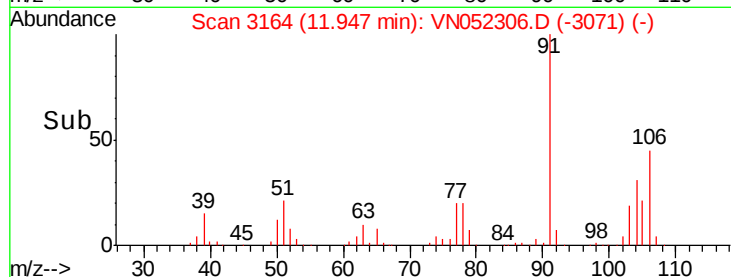
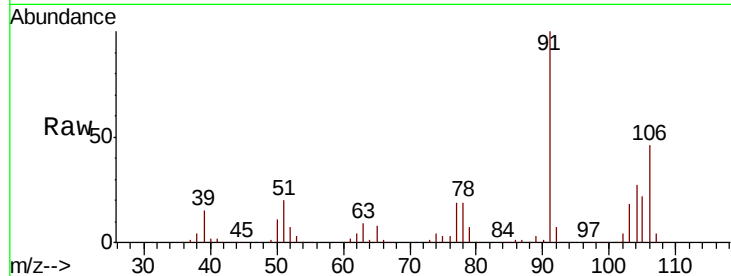
#69
o-Xylene
Concen: 20.242 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 106331
Ion Ratio Lower Upper
106 100
91 218.2 110.0 330.0

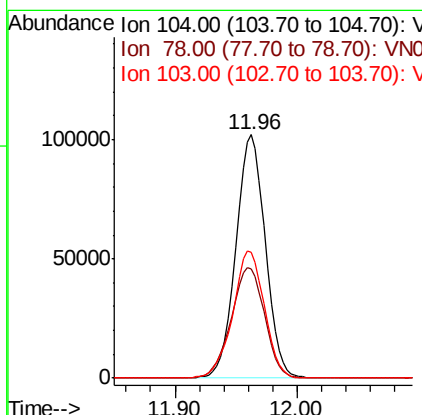
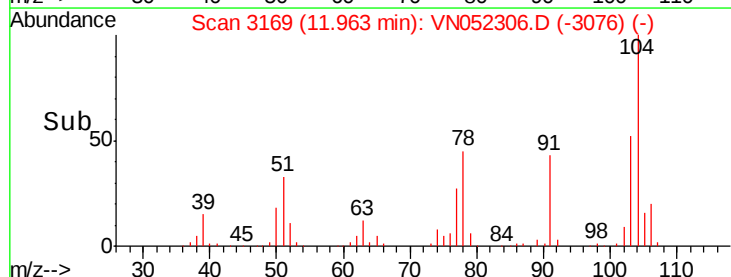
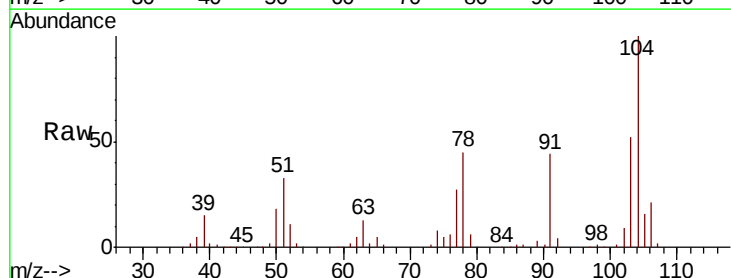
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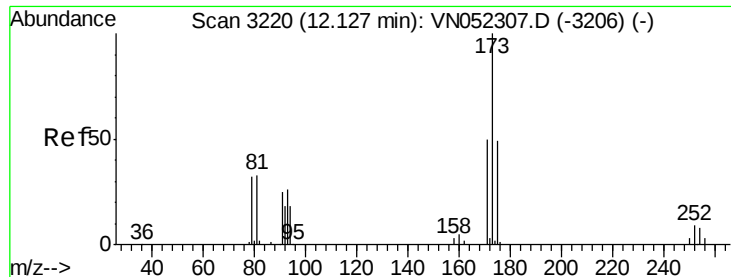
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#70
Styrene
Concen: 20.207 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion:104 Resp: 169957
Ion Ratio Lower Upper
104 100
78 51.7 42.7 64.1
103 56.3 45.4 68.0





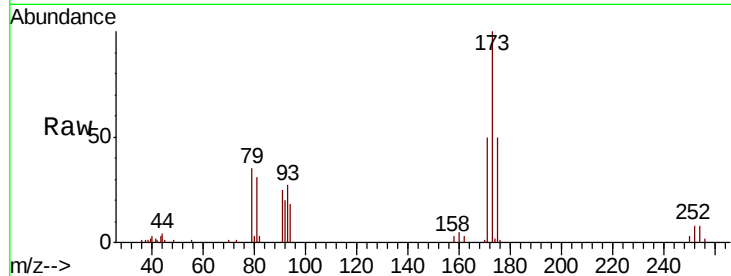
#71
Bromoform
Concen: 18.978 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	25.0	75.0
254	0.0	0.0	0.0

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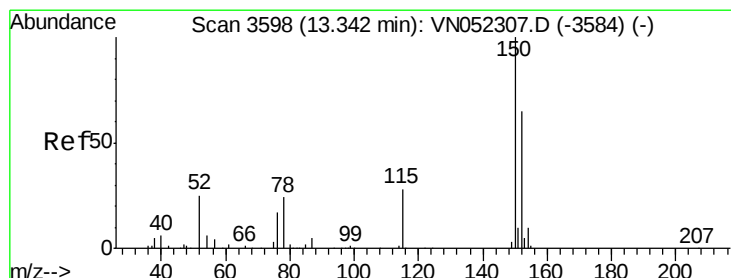
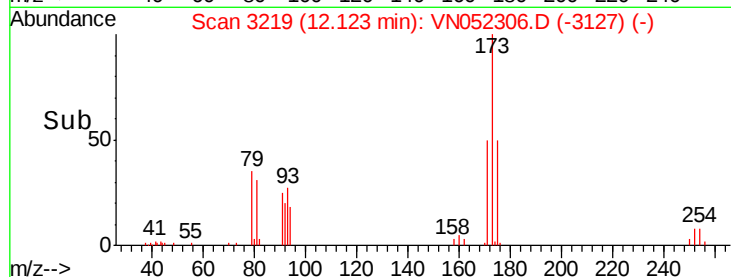
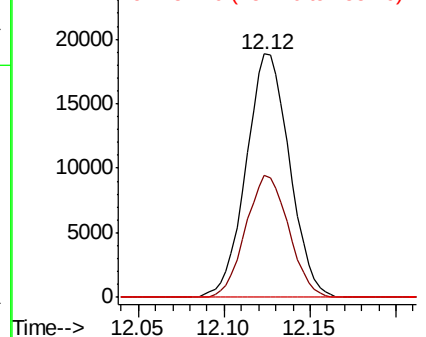


Abundance

Ion 172.70 (172.40 to 173.40): V

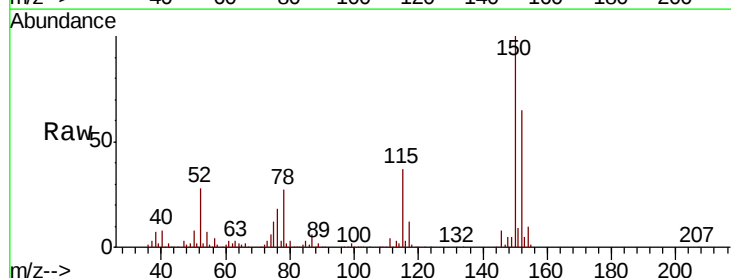
Ion 174.70 (174.40 to 175.40): V

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: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.3	91.0
150	161.7	0.0	348.2

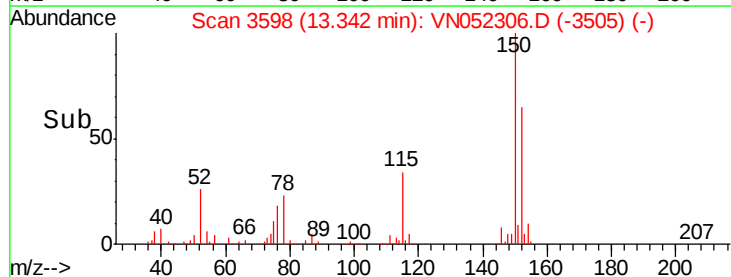
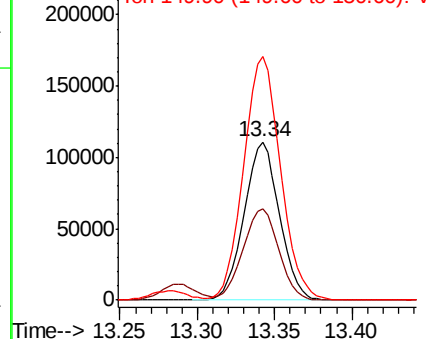


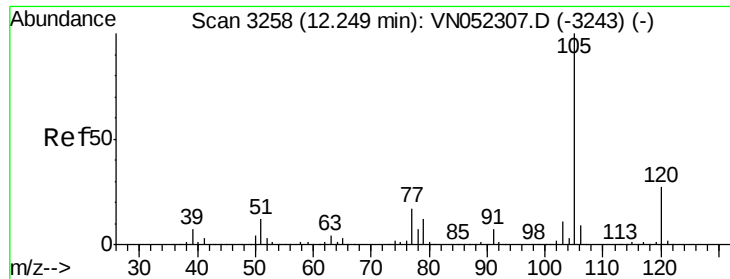
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.757 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 279038

Ion Ratio Lower Upper

105 100

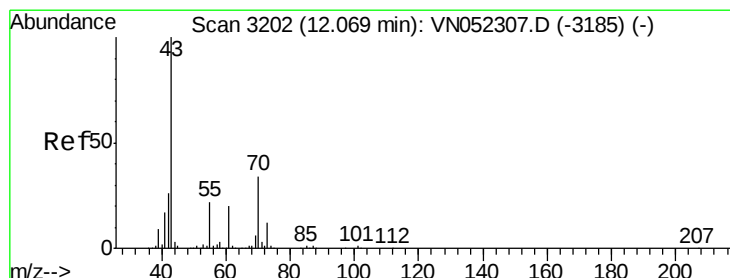
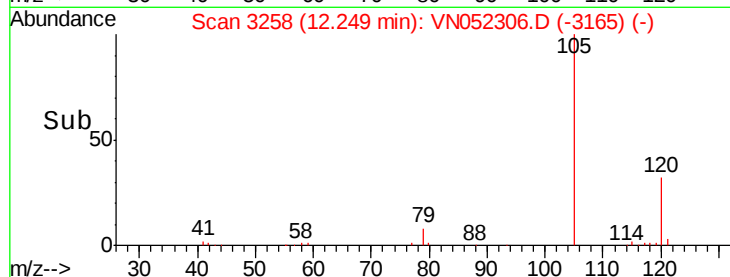
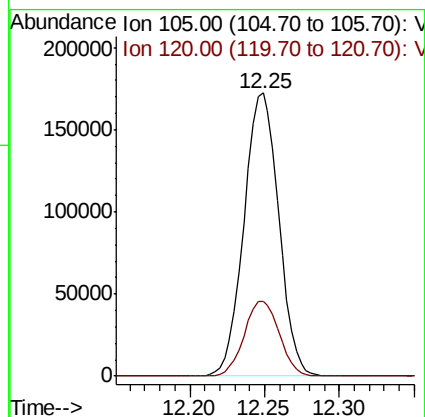
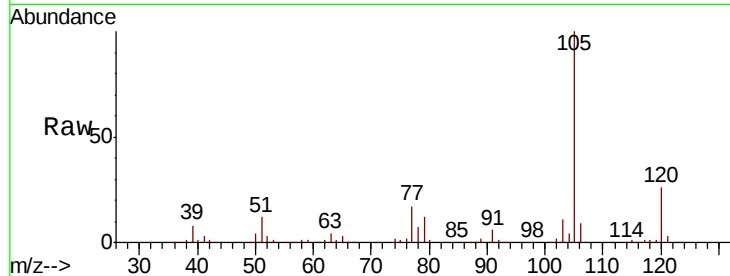
120 26.7 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.766 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion: 43 Resp: 99435

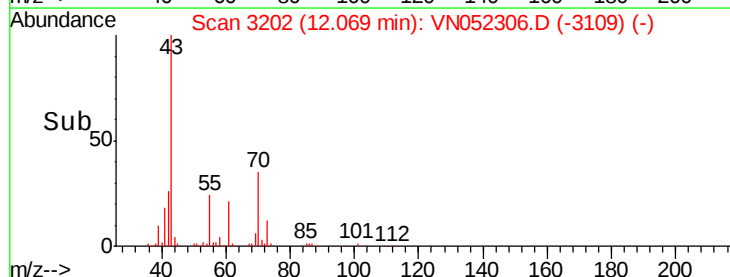
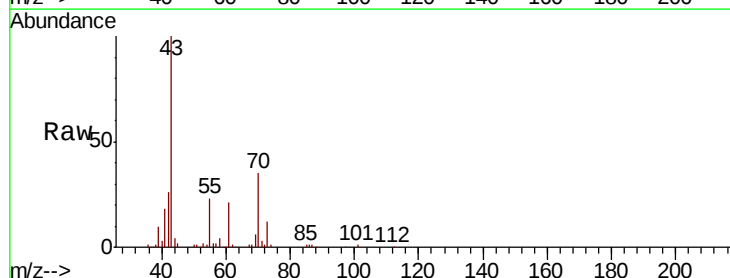
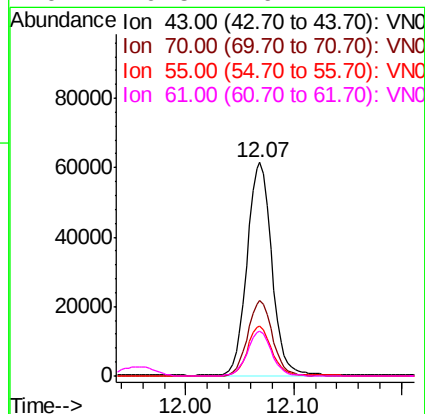
Ion Ratio Lower Upper

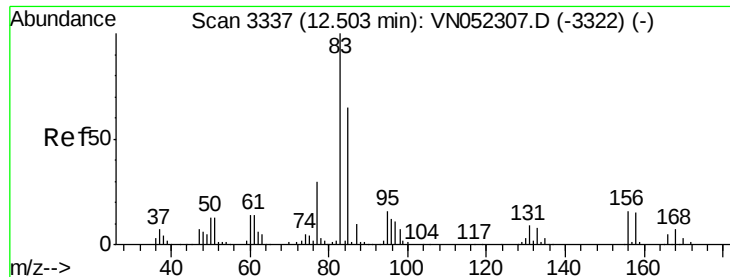
43 100

70 34.8 27.1 40.7

55 22.8 17.4 26.0

61 20.5 16.1 24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.716 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

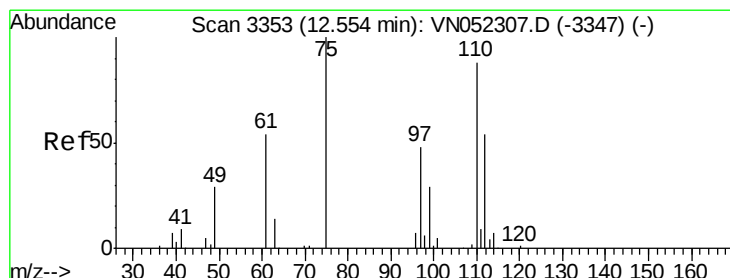
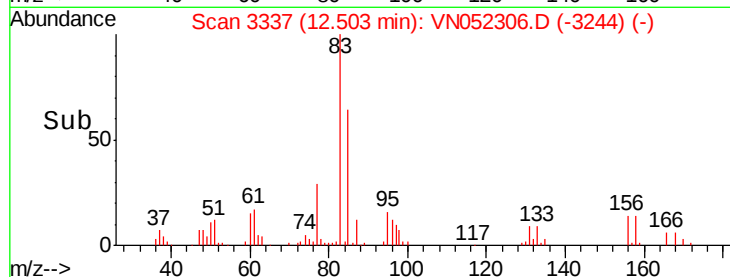
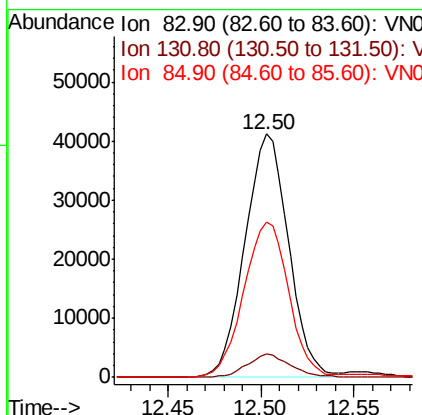
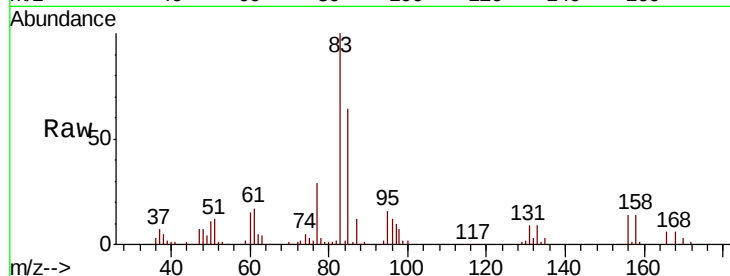
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	67315
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	65.6	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 19.925 ug/l m

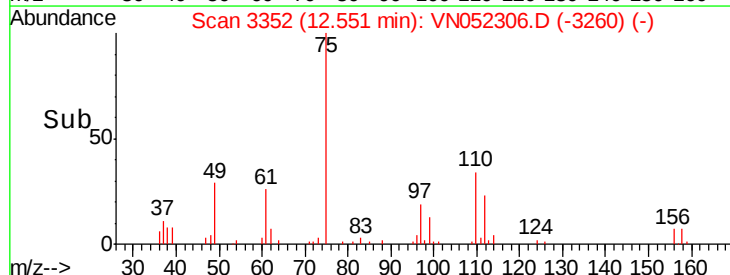
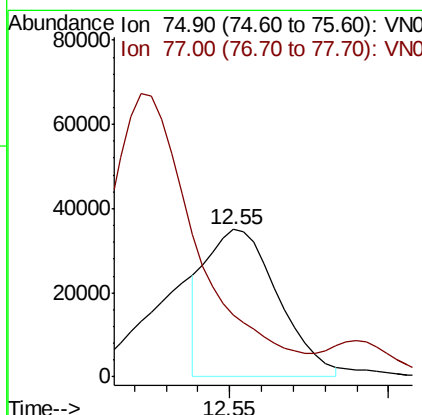
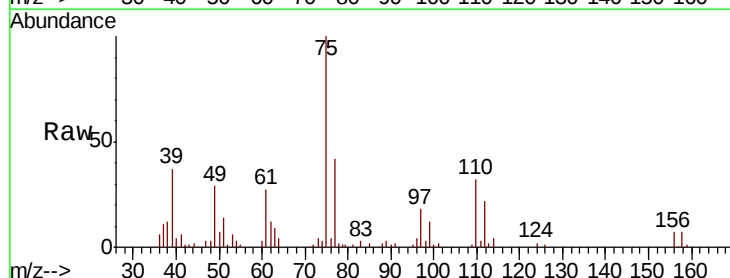
RT: 12.55 min Scan# 3352

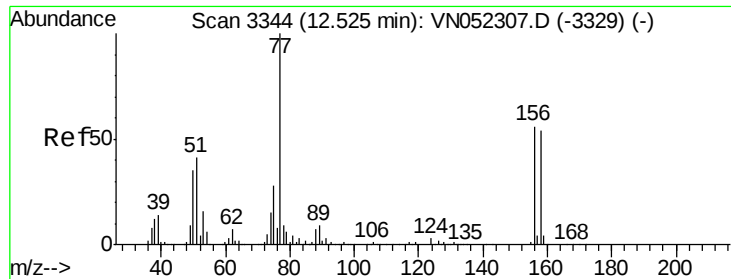
Delta R.T. -0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion:	75	Resp:	55031
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.618 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 64468

Ion Ratio Lower Upper

156 100

77 207.8 103.6 310.9

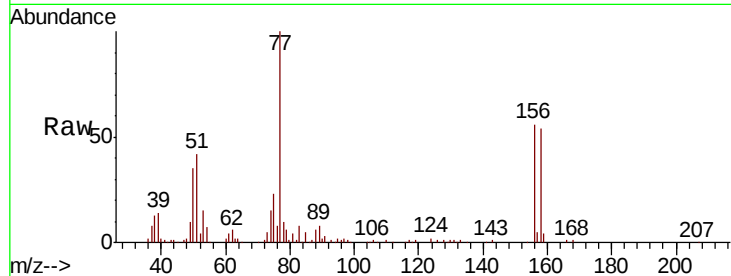
158 97.4 48.1 144.4

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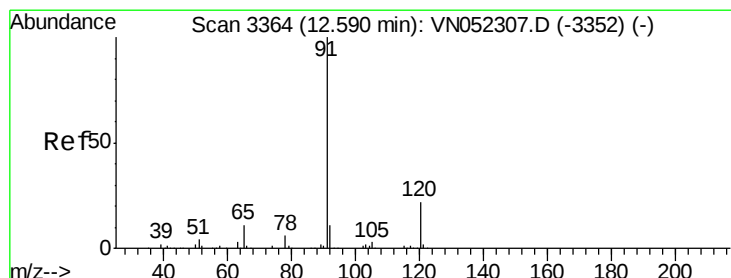
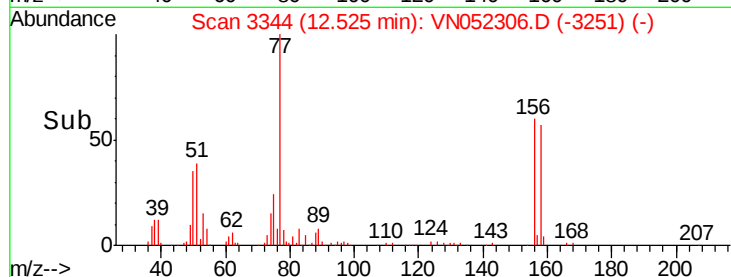
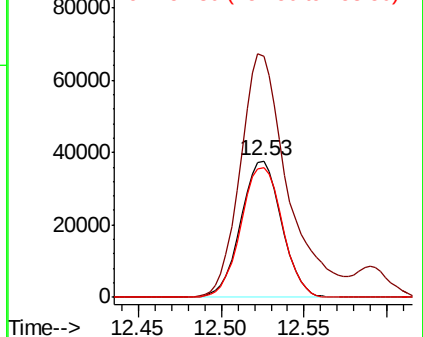
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.767 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052306.D

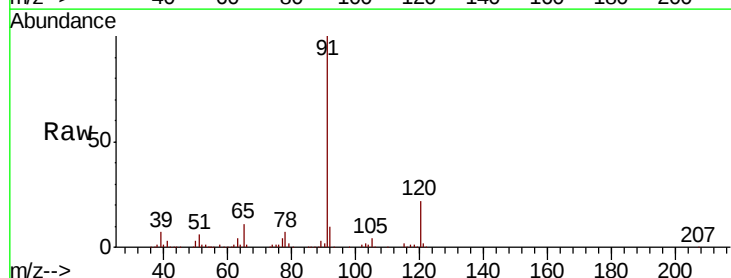
Acq: 14 Nov 2018 11:24

Tgt Ion: 91 Resp: 326505

Ion Ratio Lower Upper

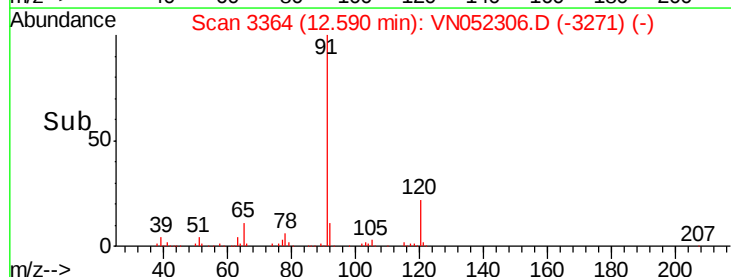
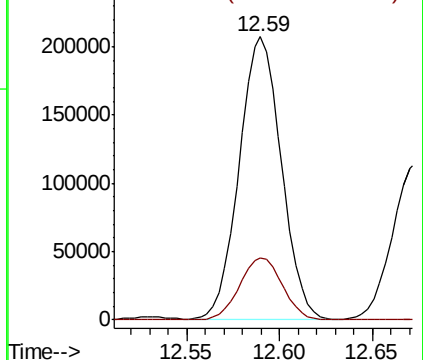
91 100

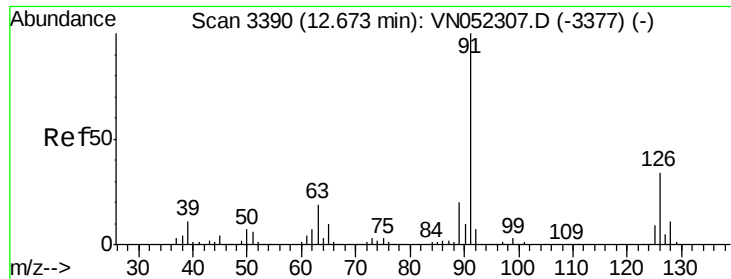
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.989 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 192883

Ion Ratio Lower Upper

91 100

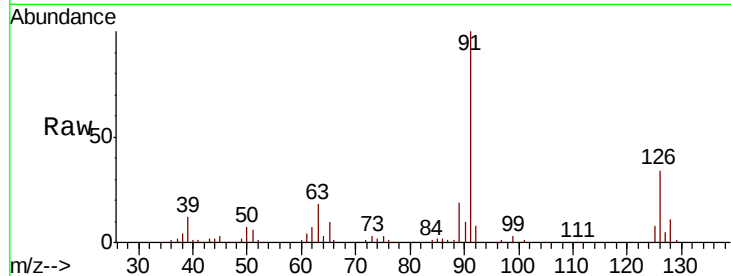
126 33.9 17.0 51.0

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Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)

200000

150000

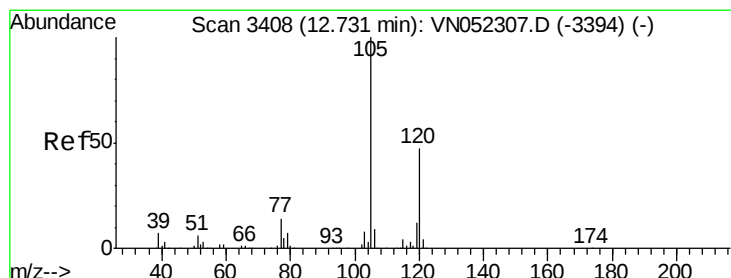
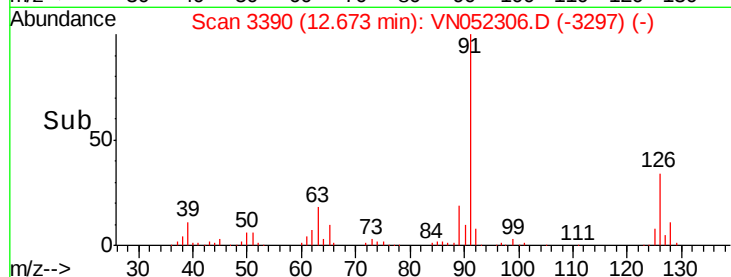
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.284 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052306.D

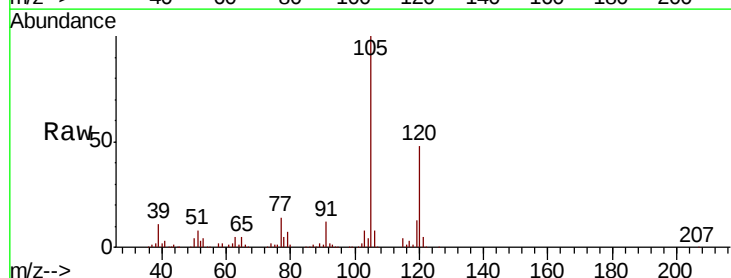
Acq: 14 Nov 2018 11:24

Tgt Ion:105 Resp: 227823

Ion Ratio Lower Upper

105 100

120 48.3 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)

150000

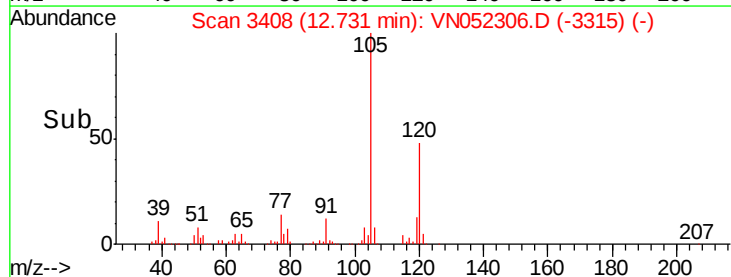
100000

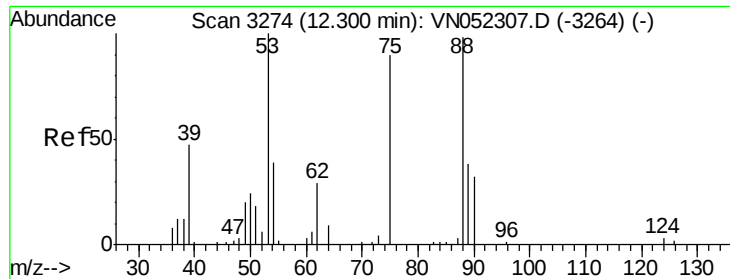
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.024 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

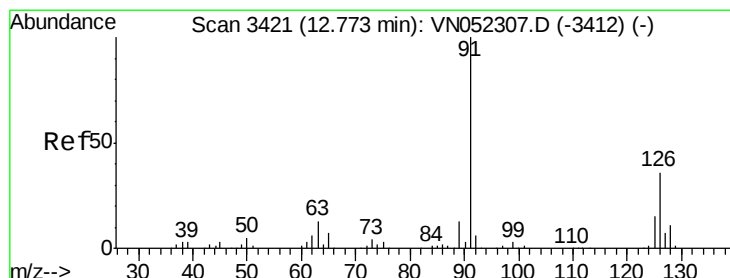
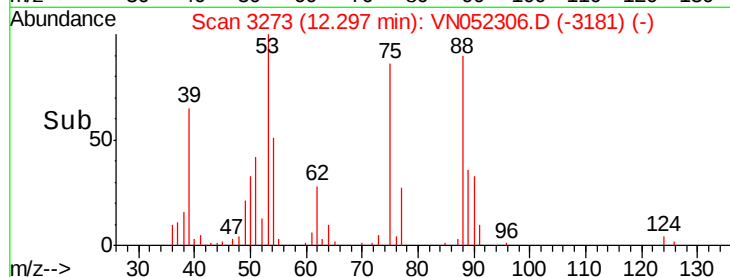
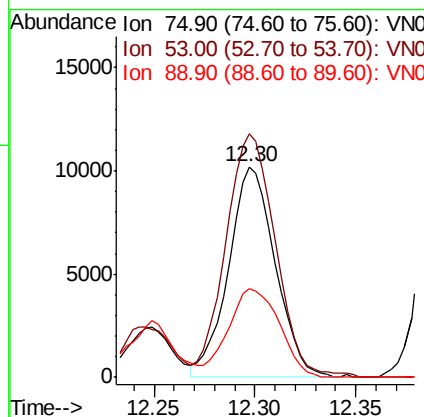
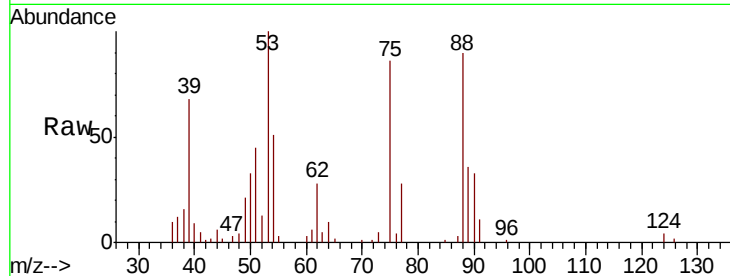
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	16564
Ion	Ratio	Lower	Upper
75	100		
53	122.6	90.2	135.2
89	45.5	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.313 ug/l

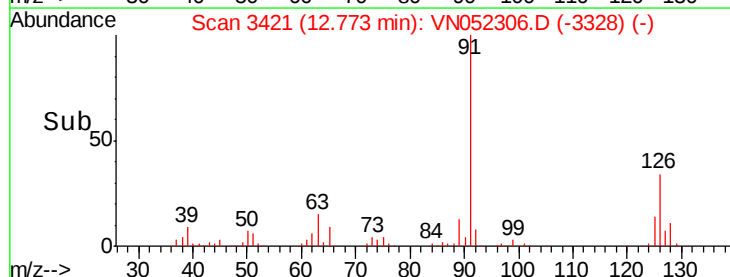
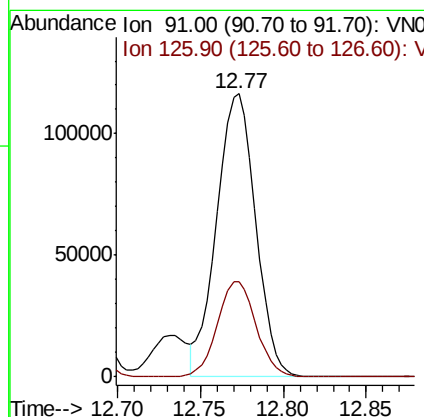
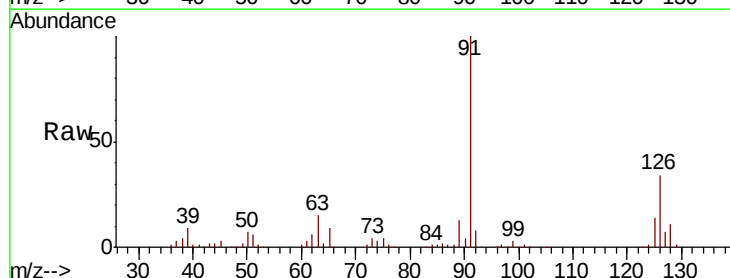
RT: 12.77 min Scan# 3421

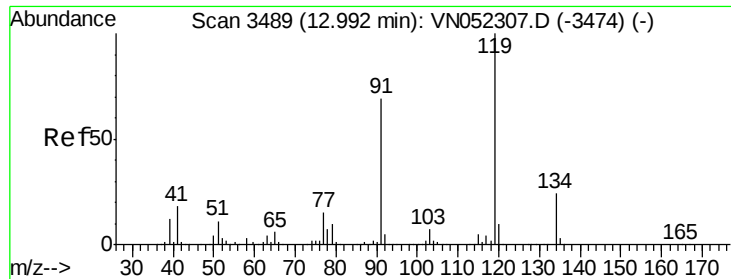
Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion:	91	Resp:	190933
Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.0	50.9





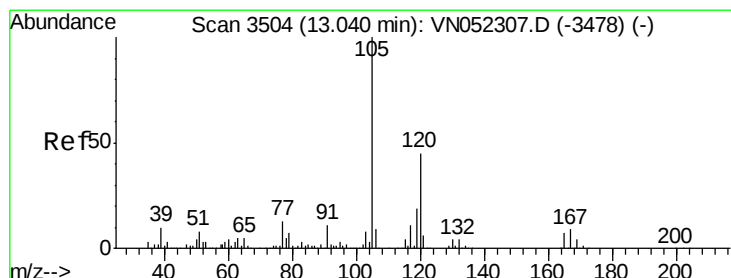
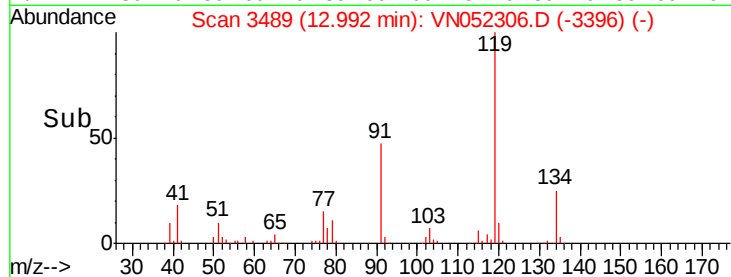
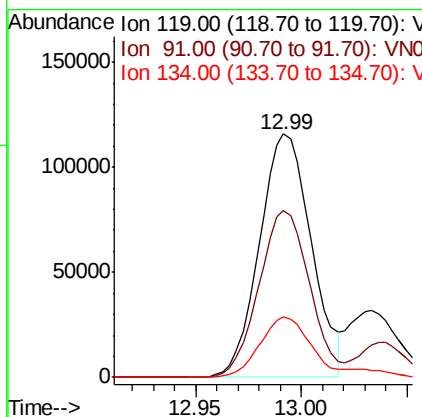
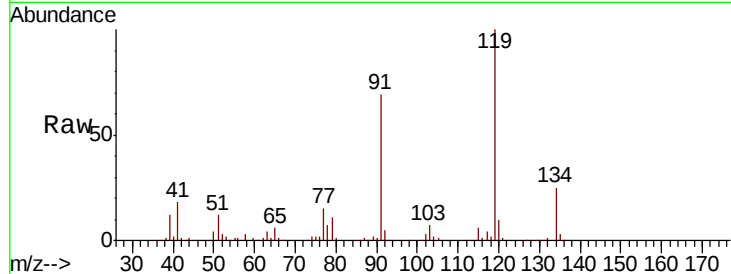
#83
tert-Butylbenzene
Concen: 19.974 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	198062		
91	67.3	33.8	101.3	
134	24.2	11.9	35.9	

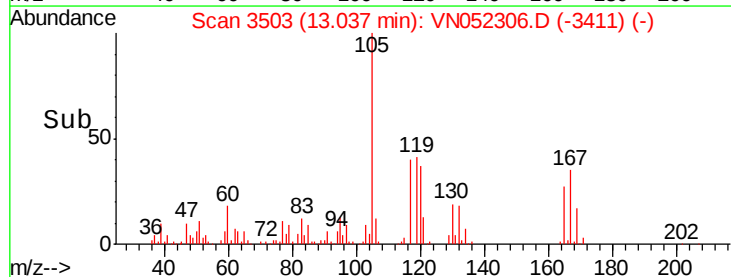
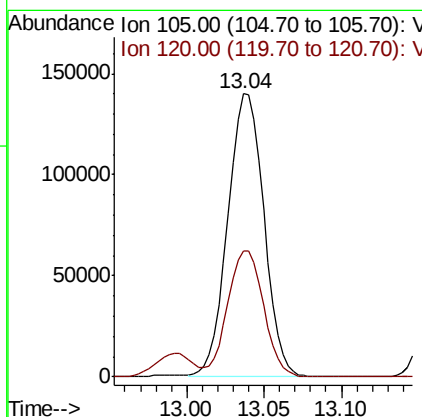
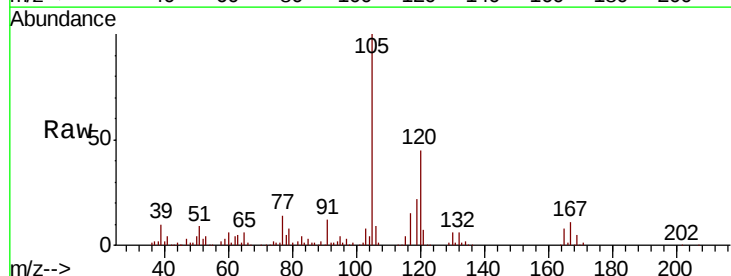
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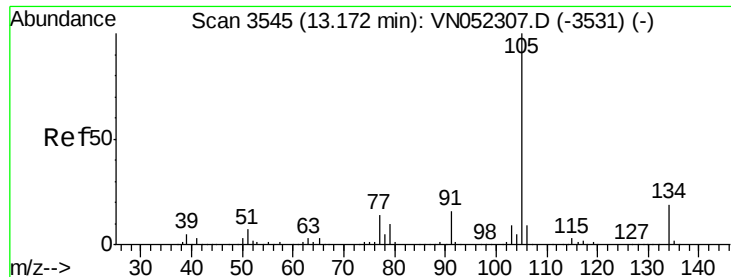
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#84
1,2,4-Trimethylbenzene
Concen: 20.189 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	227631		
120	44.1	22.5	67.5	





#85

sec-Butylbenzene

Concen: 20.015 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 270348

Ion Ratio Lower Upper

105 100

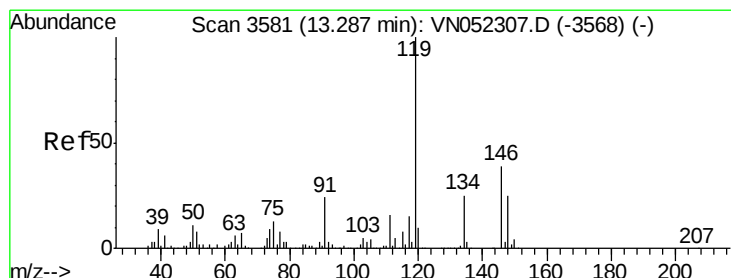
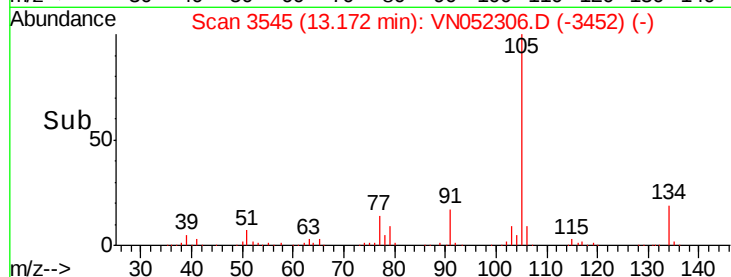
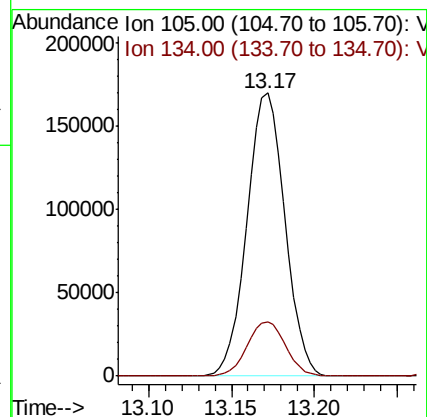
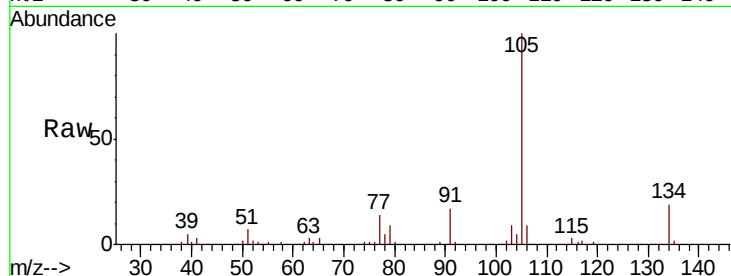
134 19.4 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 20.235 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

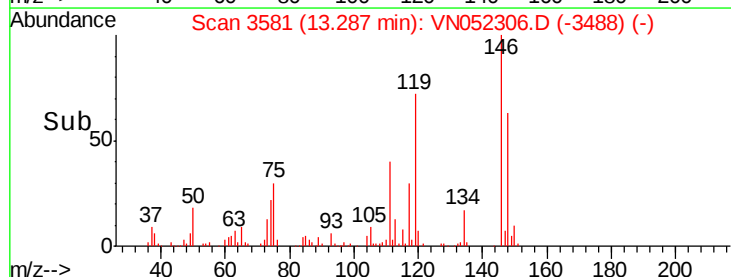
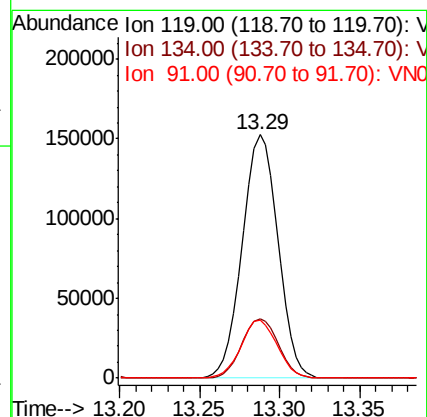
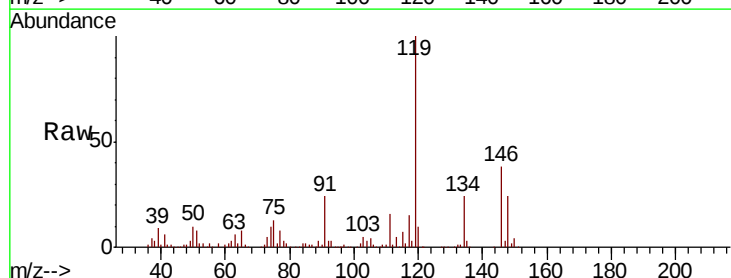
Tgt Ion:119 Resp: 231529

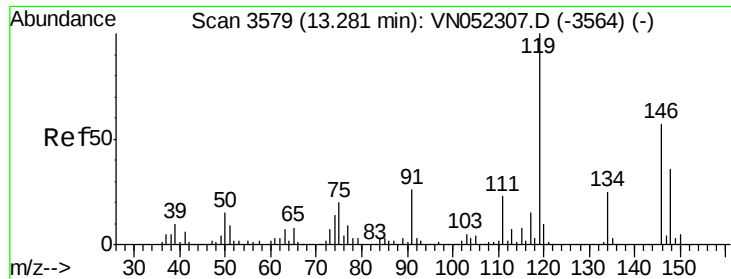
Ion Ratio Lower Upper

119 100

134 25.0 13.0 38.9

91 24.3 12.4 37.0





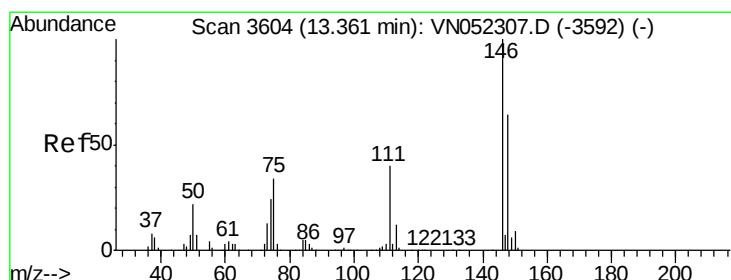
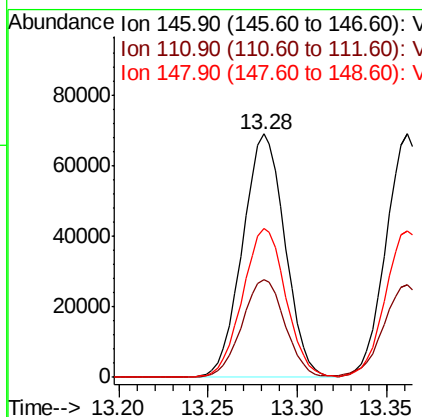
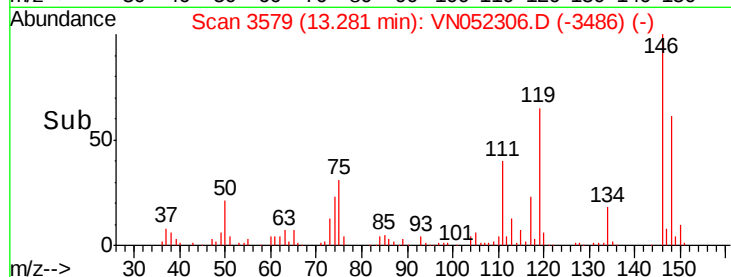
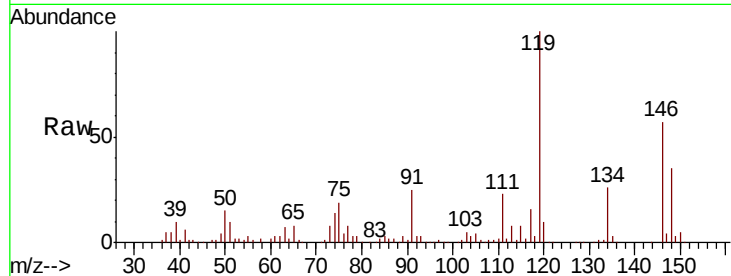
#87
 1,3-Dichlorobenzene
 Concen: 19.572 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	62.5	31.8	95.4

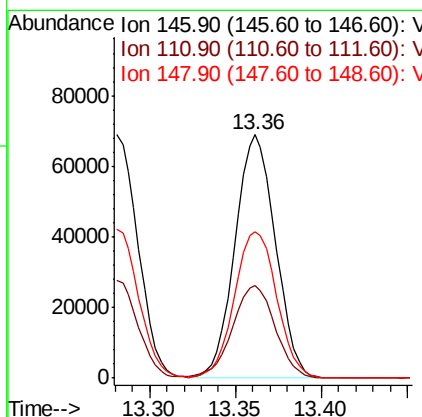
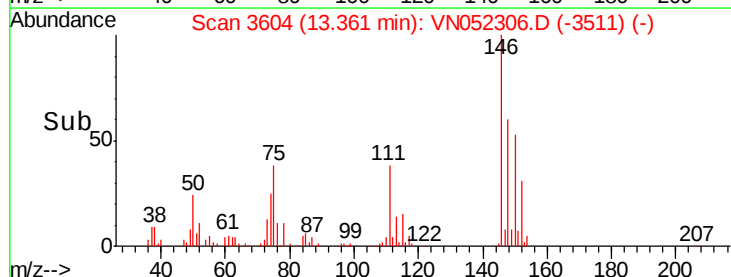
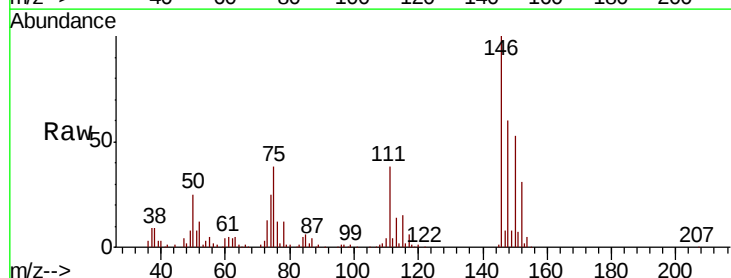
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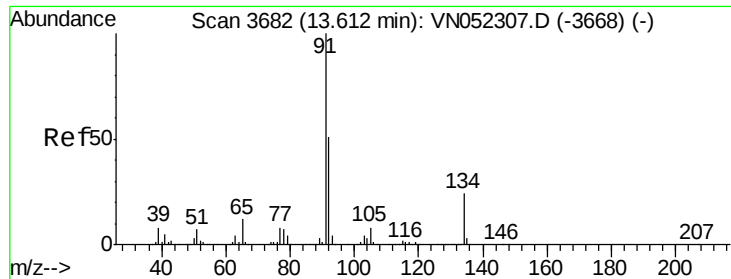
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#88
 1,4-Dichlorobenzene
 Concen: 19.449 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	62.9	32.4	97.2





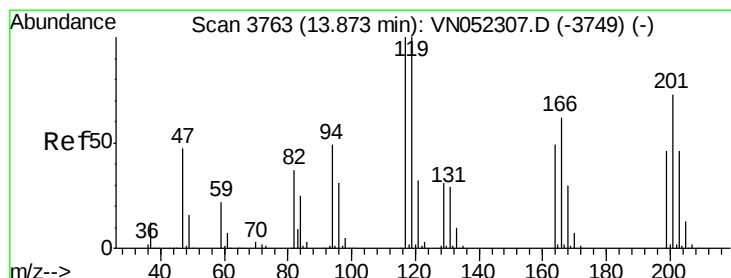
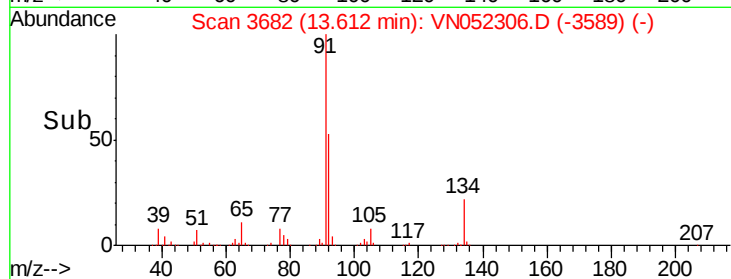
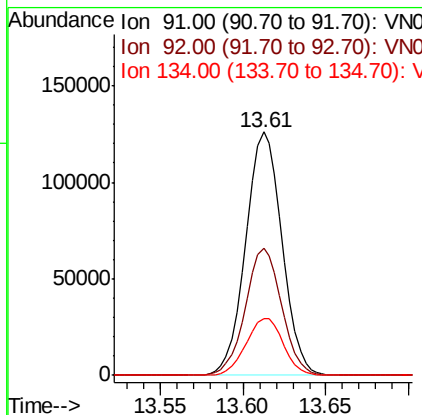
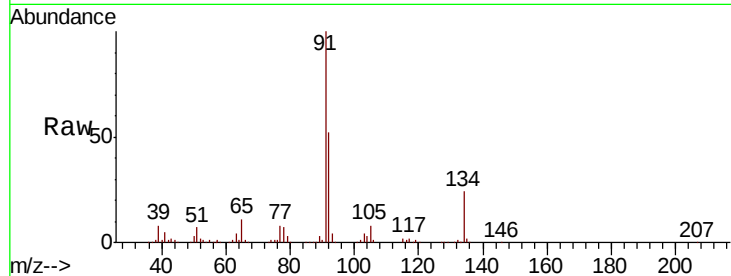
#89
n-Butylbenzene
Concen: 19.588 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.4	76.2
134	23.9	12.2	36.4

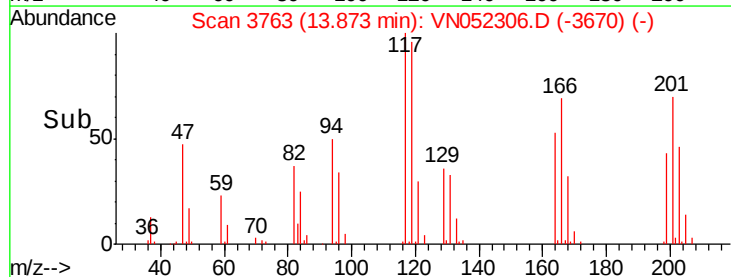
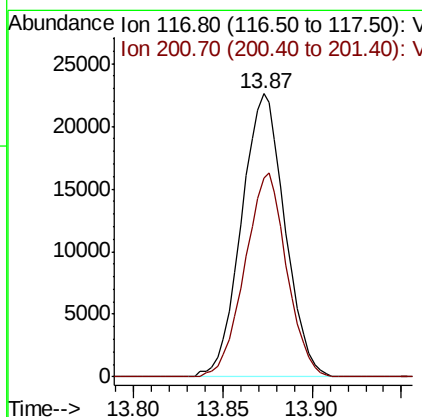
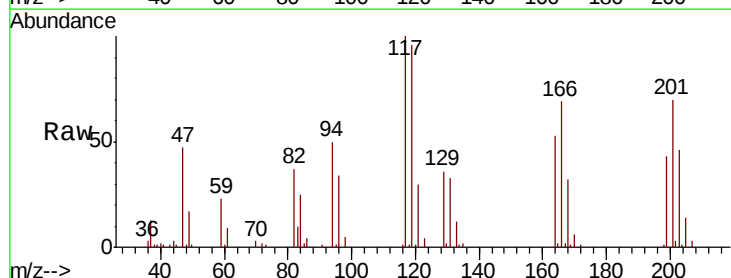
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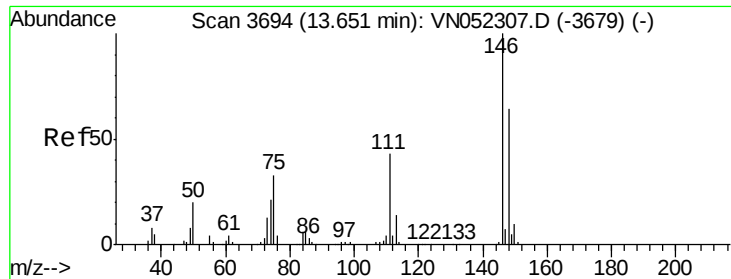
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#90
Hexachloroethane
Concen: 18.937 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052306.D
Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.3	105.9





#91

1,2-Dichlorobenzene

Concen: 20.103 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

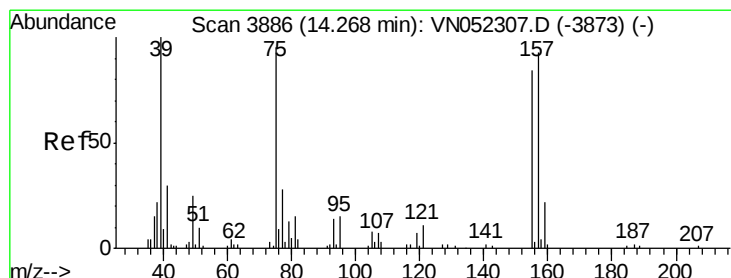
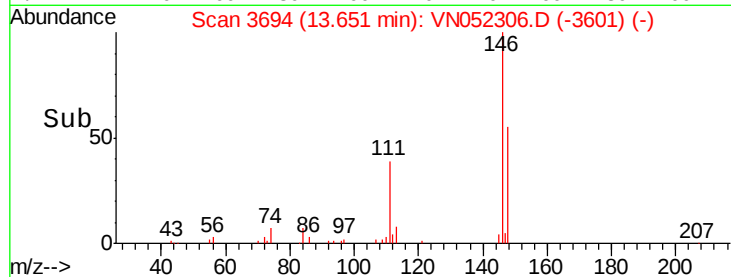
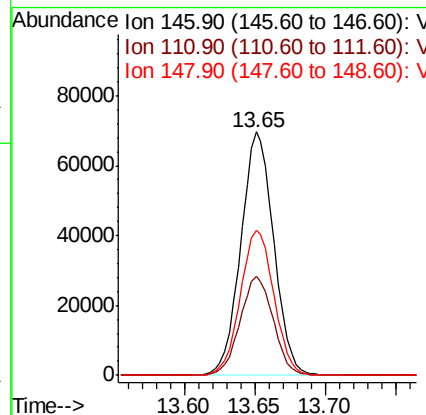
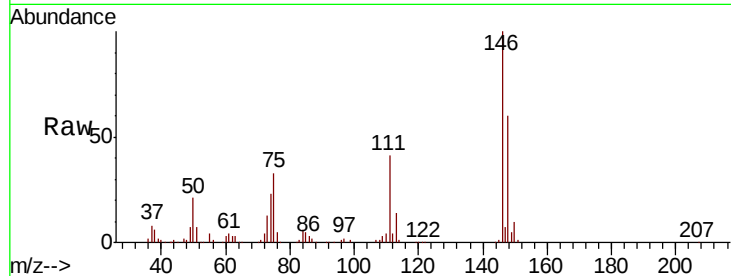
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	113673
Ion Ratio	Lower	Upper	
146	100		
111	40.8	21.3	63.9
148	60.7	31.6	94.8

Manual Integrations
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11/20/2018 2:58:14 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.270 ug/l

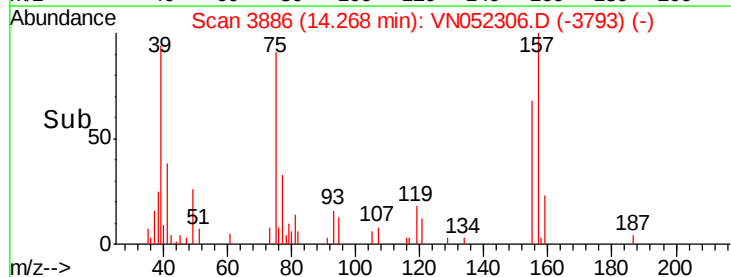
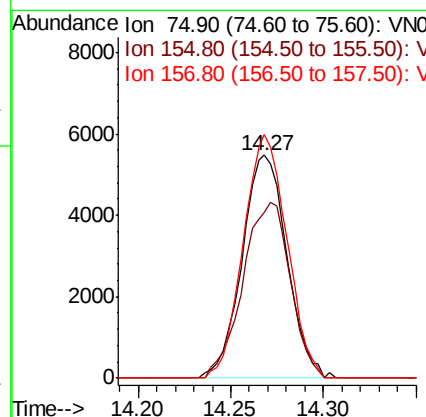
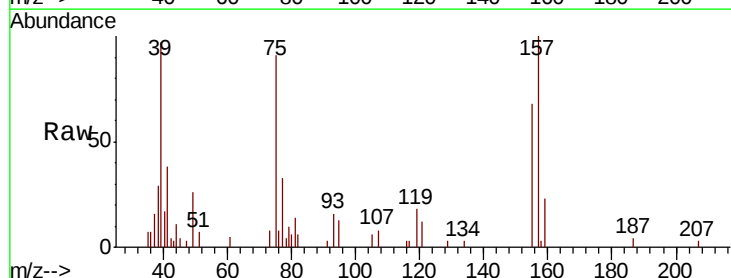
RT: 14.27 min Scan# 3886

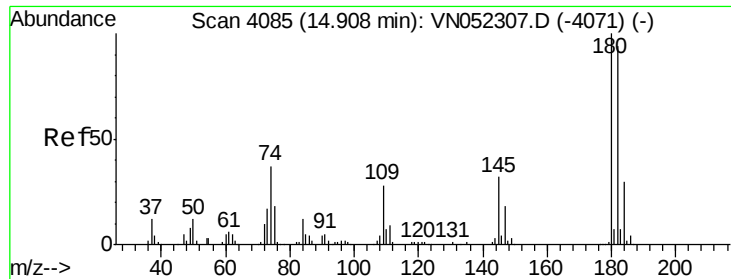
Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion:	75	Resp:	9198
Ion Ratio	Lower	Upper	
75	100		
155	82.5	42.4	127.3
157	106.0	49.6	149.0





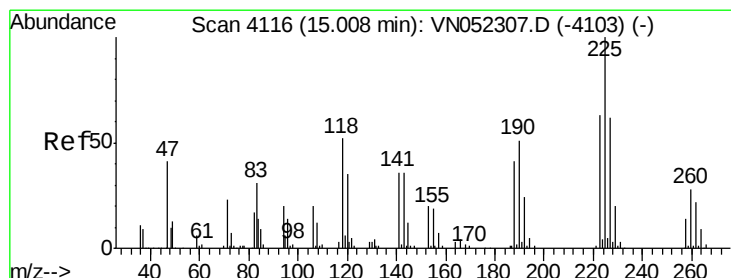
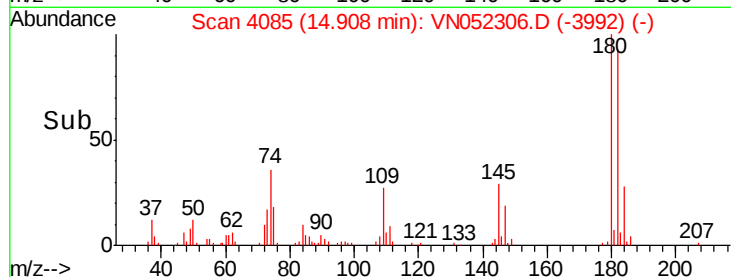
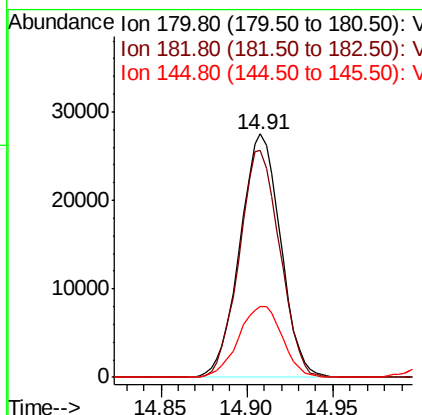
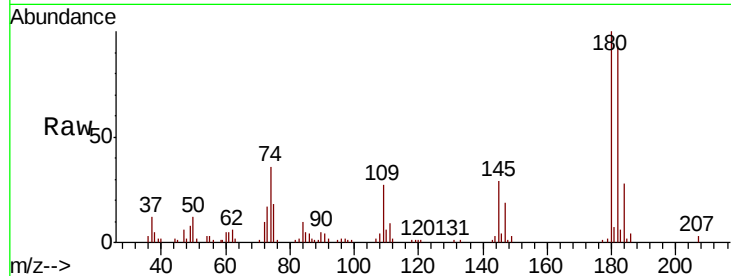
#93
 1,2,4-Trichlorobenzene
 Concen: 19.379 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.6	142.9
145	31.3	15.5	46.5

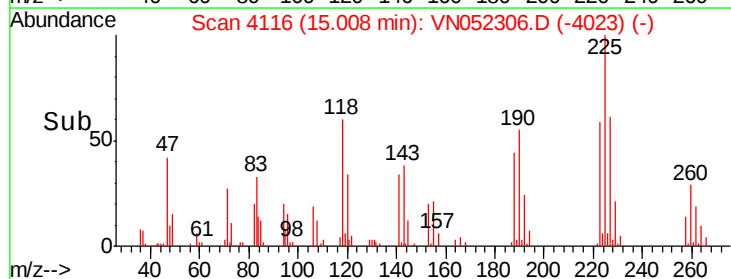
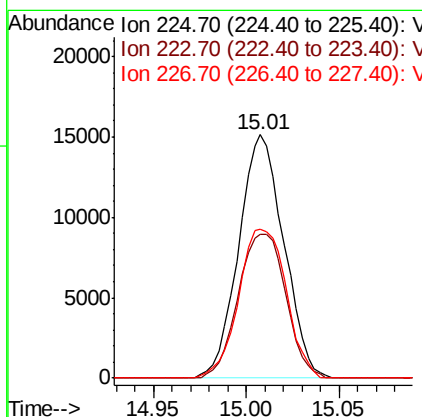
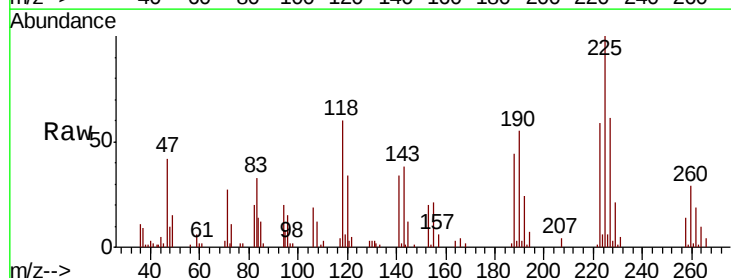
Manual Integrations
 APPROVED

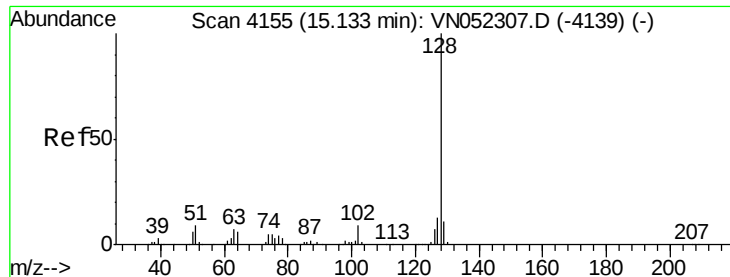
MMDadoda
 11/20/2018 2:58:14 PM



#94
 Hexachlorobutadiene
 Concen: 19.678 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052306.D
 Acq: 14 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.9	95.5
227	64.7	31.6	95.0





#95

Naphthalene

Concen: 19.545 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Instrument :

MSVOA_N

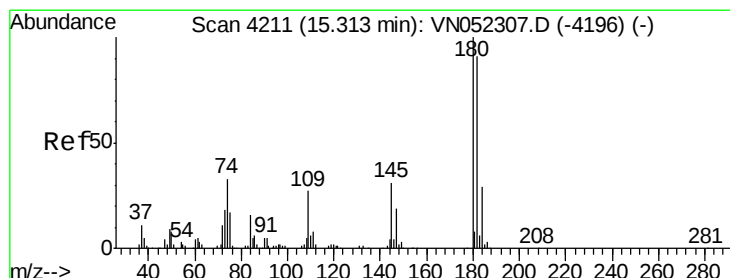
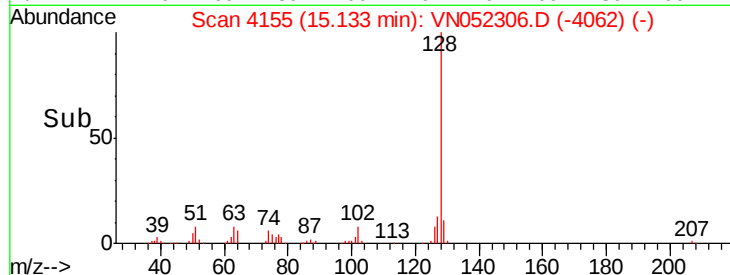
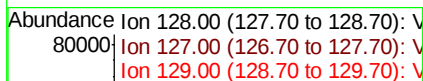
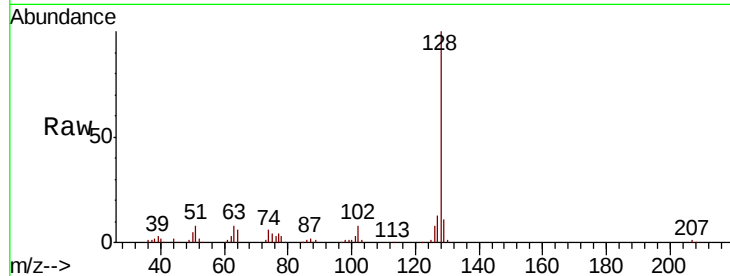
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	102758
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	11.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.334 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052306.D

Acq: 14 Nov 2018 11:24

Tgt Ion:	180	Resp:	41541
Ion Ratio	Lower	Upper	
180	100		
182	95.4	46.5	139.3
145	32.3	16.4	49.2

