

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052305.D
 Acq On : 14 Nov 2018 10:57
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:09 PM

Quant Time: Nov 15 02:49:09 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	7.66	168	249255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	433400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	382692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	18037	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
35) Dibromofluoromethane	7.59	113	13209	4.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.46%	
50) Toluene-d8	10.09	98	53807	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.40	95	16247	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	12039	4.558	ug/l 93
3) Chloromethane	2.06	50	18310	4.988	ug/l 97
4) Vinyl Chloride	2.19	62	16398	5.168	ug/l 98
5) Bromomethane	2.57	94	10261	5.187	ug/l 100
6) Chloroethane	2.71	64	9863	5.498	ug/l 99
7) Trichlorofluoromethane	3.02	101	22914	5.219	ug/l 98
8) Diethyl Ether	3.41	74	8615	5.148	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	14567	5.254	ug/l # 84
10) Methyl Iodide	3.96	142	17133	4.602	ug/l 99
11) Tert butyl alcohol	4.79	59	5073m	27.181	ug/l
12) 1,1-Dichloroethene	3.74	96	13633	5.313	ug/l 93
13) Acrolein	3.61	56	7709	30.026	ug/l 99
14) Allyl chloride	4.33	41	26445	5.019	ug/l # 90
15) Acrylonitrile	4.99	53	27623	25.653	ug/l 96
16) Acetone	3.82	43	24572	24.928	ug/l 100
17) Carbon Disulfide	4.06	76	35414	4.813	ug/l 100
18) Methyl Acetate	4.33	43	13567	4.823	ug/l # 63
19) Methyl tert-butyl Ether	5.05	73	37819	5.129	ug/l 97
20) Methylene Chloride	4.55	84	16714	5.180	ug/l 97
21) trans-1,2-Dichloroethene	5.04	96	14818	5.575	ug/l 91
22) Diisopropyl ether	5.95	45	55165	5.077	ug/l 90
23) Vinyl Acetate	5.90	43	183014	25.097	ug/l 100
24) 1,1-Dichloroethane	5.85	63	30552	5.300	ug/l 98
25) 2-Butanone	6.84	43	37061	27.164	ug/l 99
26) 2,2-Dichloropropane	6.83	77	20534	4.845	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	17093	5.315	ug/l 99
28) Bromochloromethane	7.20	49	15647	5.279	ug/l # 97
29) Tetrahydrofuran	7.21	42	22082	24.446	ug/l 95
30) Chloroform	7.37	83	29180	5.312	ug/l 95
31) Cyclohexane	7.66	56	32661	4.887	ug/l # 88
32) 1,1,1-Trichloroethane	7.57	97	24161	5.163	ug/l 99
36) 1,1-Dichloropropene	7.80	75	21378	4.921	ug/l 98
37) Ethyl Acetate	6.94	43	14396	4.337	ug/l # 93
38) Carbon Tetrachloride	7.78	117	20139	5.046	ug/l 95

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Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	24671	4.975	ug/l	96
40) Benzene	8.04	78	62801	5.061	ug/l	96
41) Methacrylonitrile	7.18	41	9079	5.083	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	23541	5.320	ug/l	98
43) Isopropyl Acetate	8.16	43	30624	5.034	ug/l #	95
44) Trichloroethene	8.84	130	14855	4.860	ug/l	99
45) 1,2-Dichloropropane	9.12	63	18544	5.265	ug/l	99
46) Dibromomethane	9.21	93	10802	5.298	ug/l	97
47) Bromodichloromethane	9.40	83	20530	4.907	ug/l	99
48) Methyl methacrylate	9.20	41	14068	4.557	ug/l	97
49) 1,4-Dioxane	9.20	88	2545	107.401	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	77019	25.151	ug/l	97
52) Toluene	10.16	92	37290	5.023	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	18897	4.478	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	23164	4.816	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	13889	5.161	ug/l	97
56) Ethyl methacrylate	10.43	69	16526	4.669	ug/l	97
57) 1,3-Dichloropropane	10.71	76	23437	4.917	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.70	63	46836	23.244	ug/l	99
59) 2-Hexanone	10.75	43	52071	24.722	ug/l	100
60) Dibromochloromethane	10.90	129	13358	4.588	ug/l	99
61) 1,2-Dibromoethane	11.00	107	13706	5.113	ug/l	99
64) Tetrachloroethene	10.63	164	13996	5.144	ug/l	95
65) Chlorobenzene	11.43	112	41311	5.107	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	13873	5.029	ug/l	99
67) Ethyl Benzene	11.51	91	69642	4.960	ug/l	97
68) m/p-Xylenes	11.62	106	50137	9.774	ug/l	95
69) o-Xylene	11.95	106	24812	5.046	ug/l	99
70) Styrene	11.96	104	37194	4.724	ug/l	97
71) Bromoform	12.13	173	7593	4.662	ug/l #	92
73) Isopropylbenzene	12.25	105	65620	5.309	ug/l	100
74) N-amyl acetate	12.07	43	22294	5.064	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	17529	5.866	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	14668m	6.068	ug/l	
77) Bromobenzene	12.53	156	15420	5.362	ug/l	96
78) n-propylbenzene	12.59	91	75213	5.203	ug/l	99
79) 2-Chlorotoluene	12.67	91	45314	5.366	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	51469	5.236	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	3960	4.923	ug/l	92
82) 4-Chlorotoluene	12.77	91	44433	5.136	ug/l	98
83) tert-Butylbenzene	12.99	119	45090	5.196	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	50131	5.080	ug/l	100
85) sec-Butylbenzene	13.17	105	60911	5.153	ug/l	99
86) p-Isopropyltoluene	13.29	119	52702	5.263	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	26093	5.108	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	26302	5.179	ug/l	95
89) n-Butylbenzene	13.61	91	41931	4.875	ug/l	97
90) Hexachloroethane	13.87	117	8741	4.928	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	26066	5.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2270	5.152	ug/l	89

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ClientSampleId :
VSTDICC005

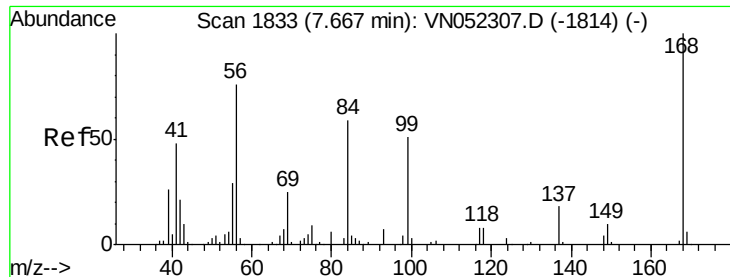
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	8805	4.324	ug/l	93
94) Hexachlorobutadiene	15.01	225	5968	5.269	ug/l	93
95) Naphthalene	15.13	128	17987	3.909	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	7612	4.048	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 249255

Ion Ratio Lower Upper

168 100

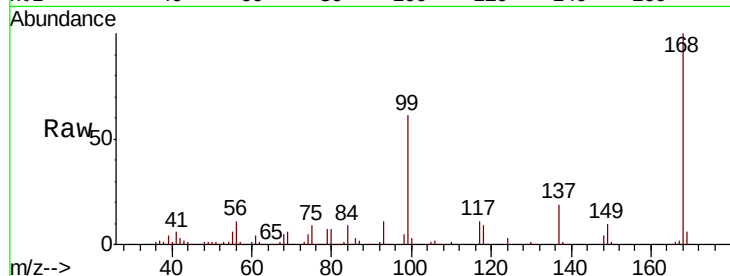
99 60.7 47.9 71.9

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

120000

100000

80000

60000

40000

20000

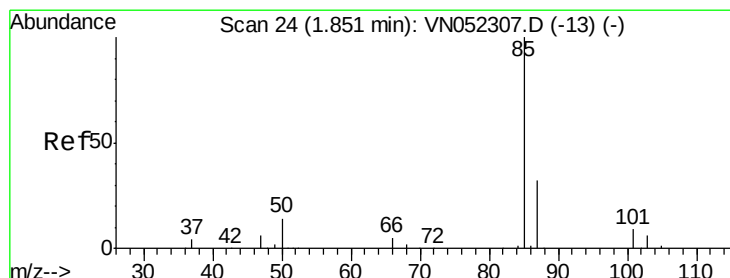
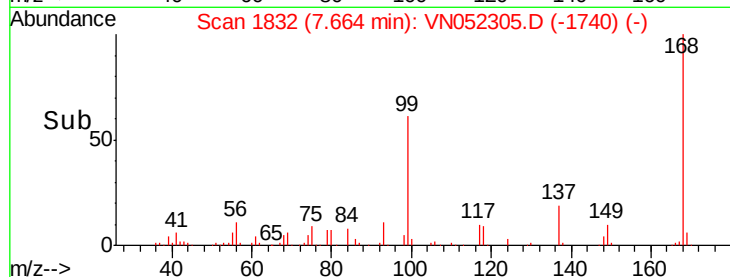
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.558 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052305.D

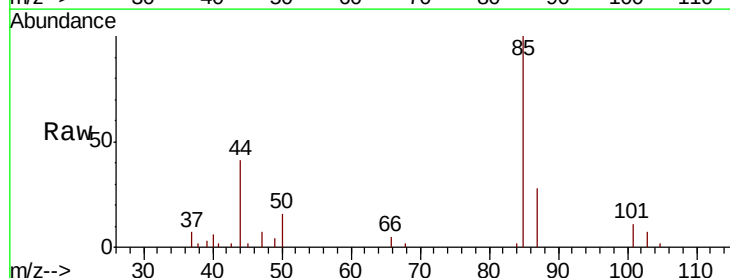
Acq: 14 Nov 2018 10:57

Tgt Ion: 85 Resp: 12039

Ion Ratio Lower Upper

85 100

87 27.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

10000

8000

6000

4000

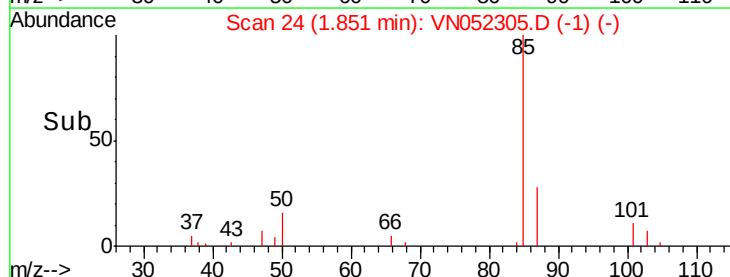
2000

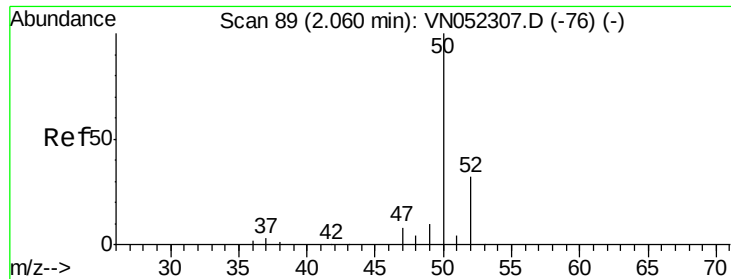
0

1.85

1.90

Time-->





#3

Chloromethane

Concen: 4.988 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 18310

Ion Ratio Lower Upper

50 100

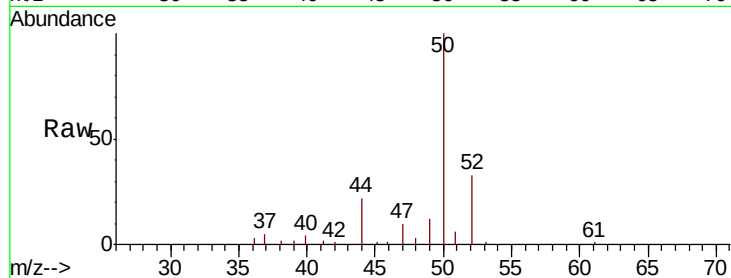
52 33.4 25.5 38.3

Manual Integrations

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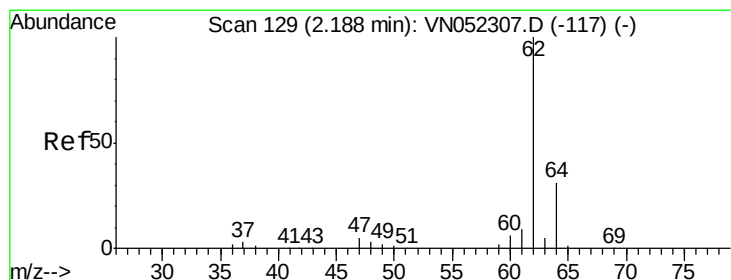
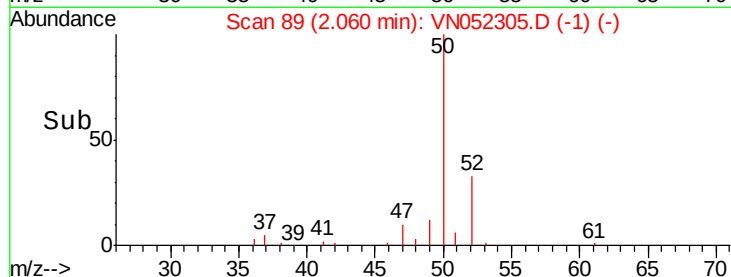
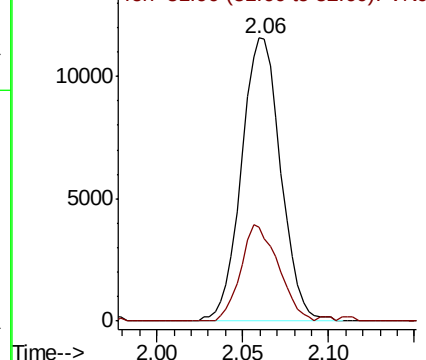
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 5.168 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052305.D

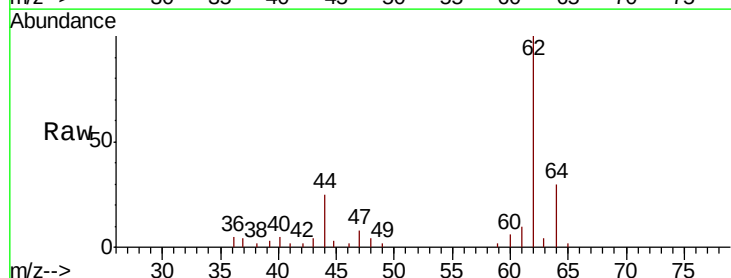
Acq: 14 Nov 2018 10:57

Tgt Ion: 62 Resp: 16398

Ion Ratio Lower Upper

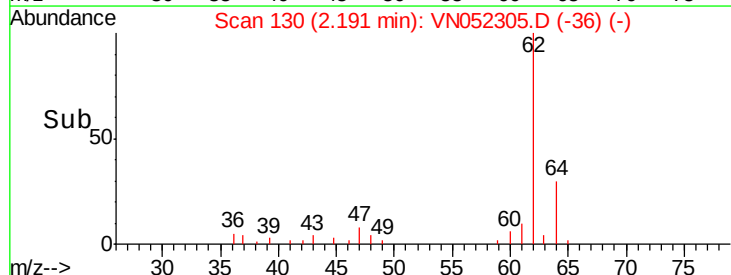
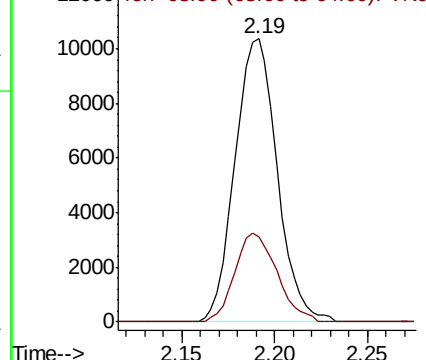
62 100

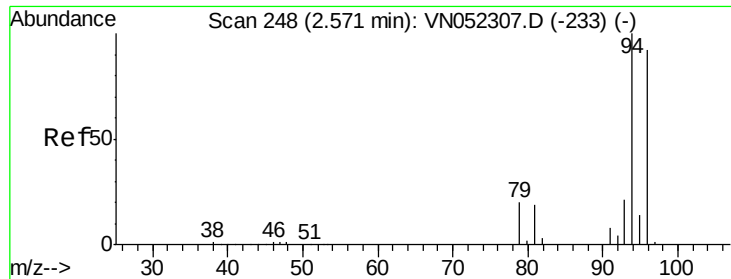
64 30.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 5.187 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10261

Ion Ratio Lower Upper

94 100

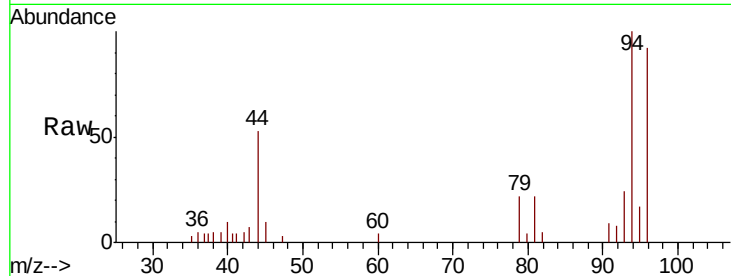
96 92.1 73.6 110.4

Manual Integrations

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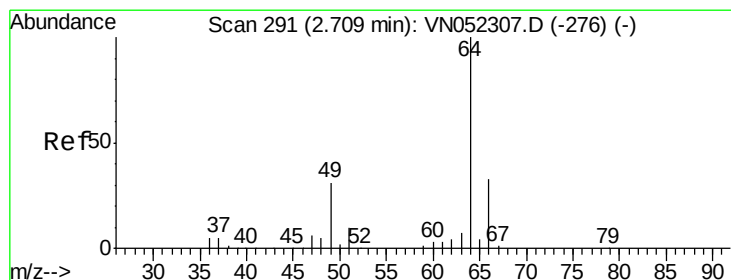
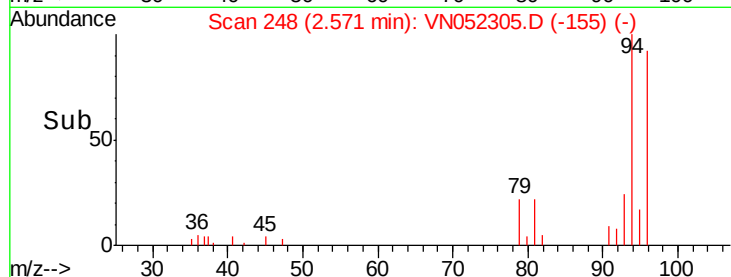
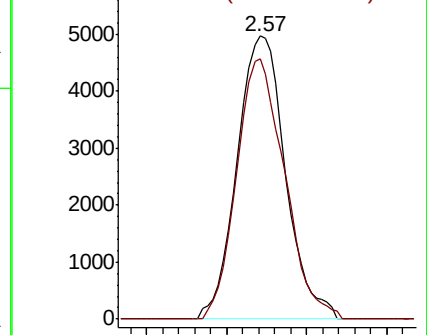
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 5.498 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052305.D

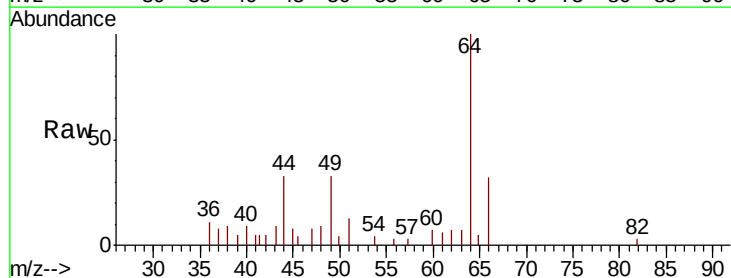
Acq: 14 Nov 2018 10:57

Tgt Ion: 64 Resp: 9863

Ion Ratio Lower Upper

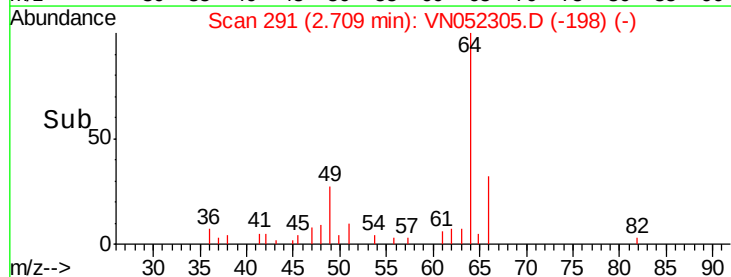
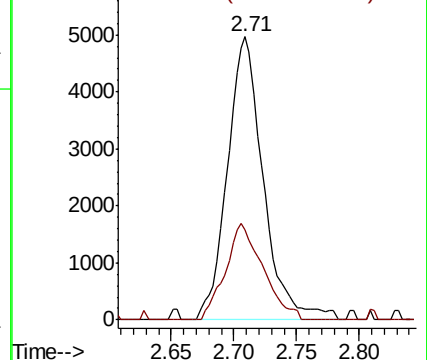
64 100

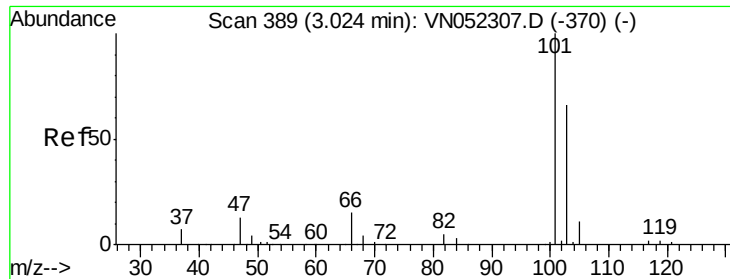
66 32.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

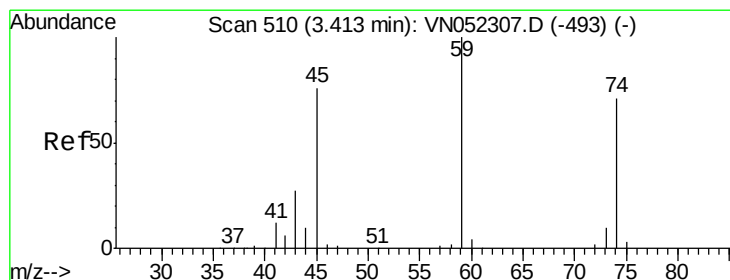
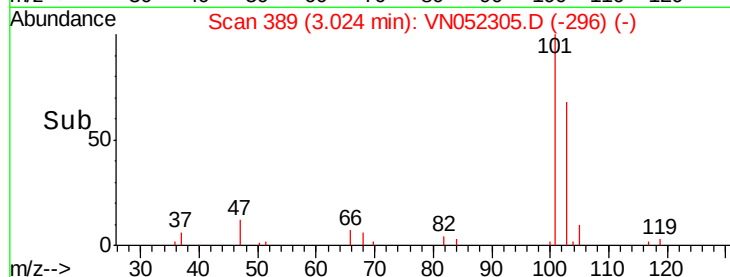
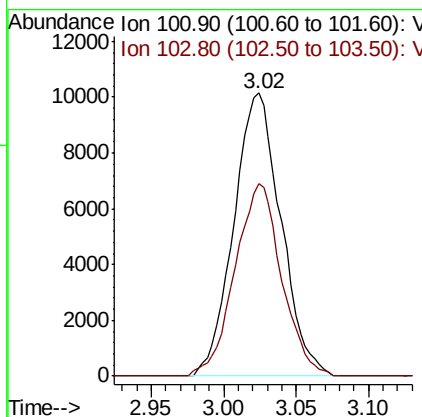
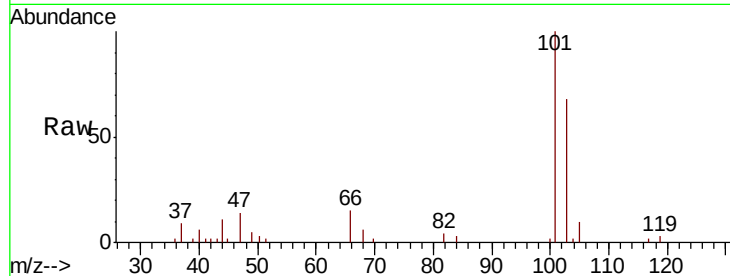
Trichlorofluoromethane
Concen: 5.219 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 22914
Ion Ratio Lower Upper
101 100
103 67.9 52.8 79.2

Manual Integrations
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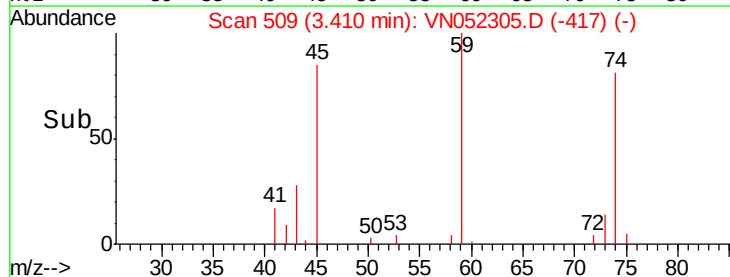
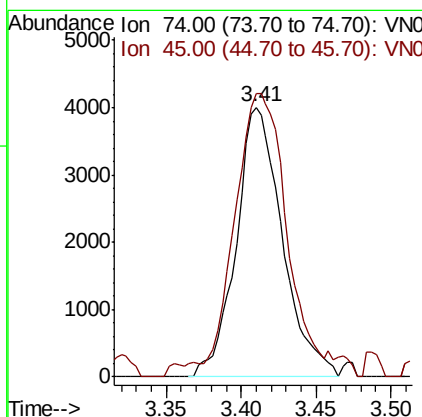
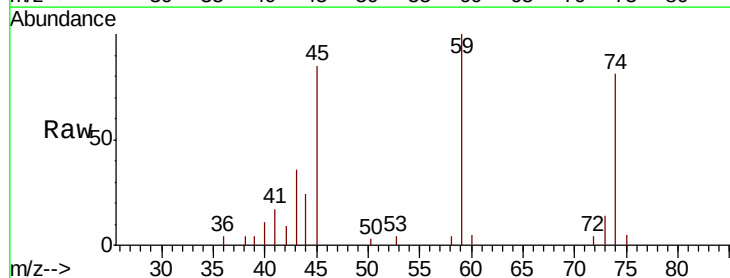
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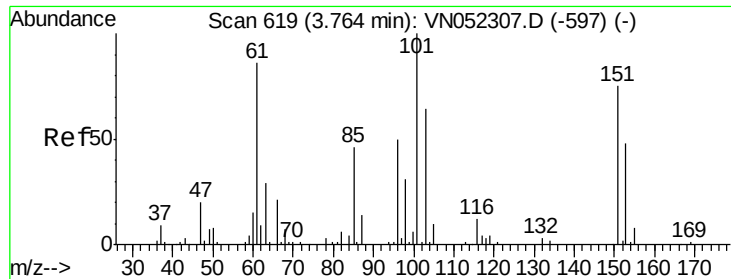


#8

Diethyl Ether
Concen: 5.148 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion: 74 Resp: 8615
Ion Ratio Lower Upper
74 100
45 107.0 54.3 162.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.254 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

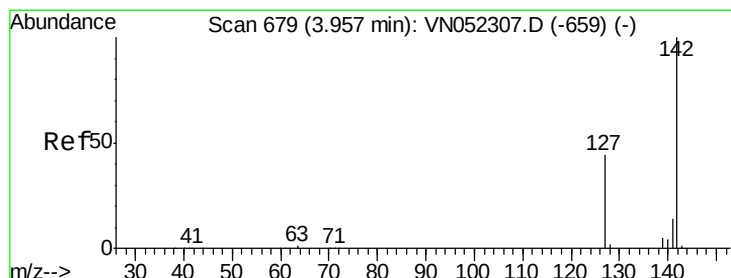
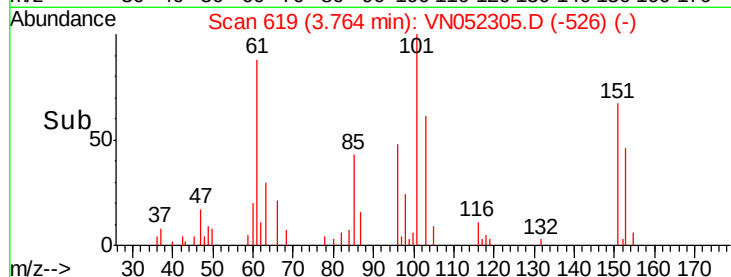
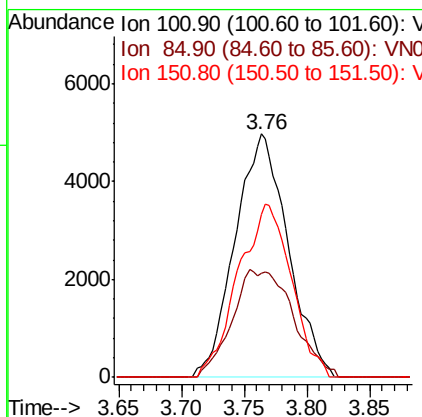
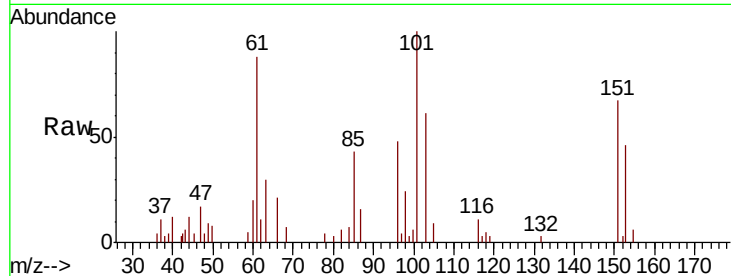
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14567
Ion Ratio	Lower	Upper	
101	100		
85	22.3	37.4	56.0#
151	71.6	58.6	88.0

Manual Integrations
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#10

Methyl Iodide

Concen: 4.602 ug/l

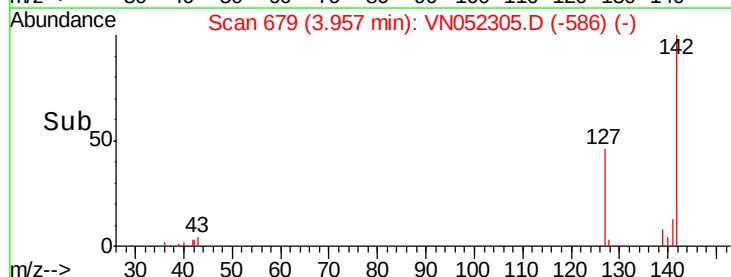
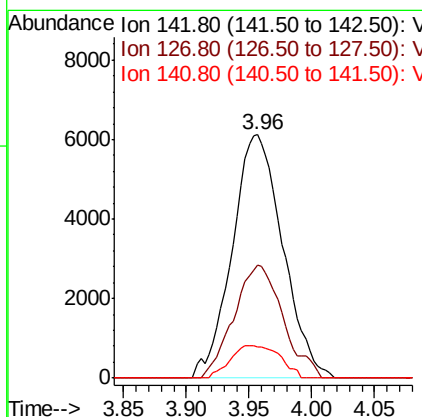
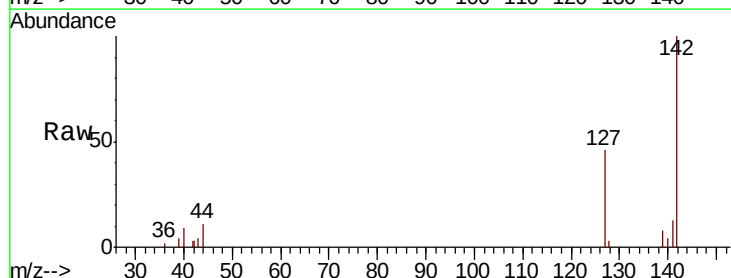
RT: 3.96 min Scan# 679

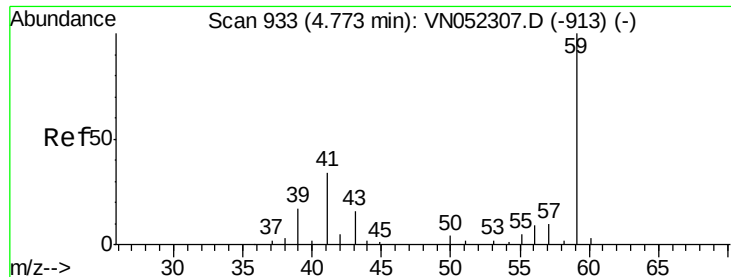
Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Tgt Ion:	142	Resp:	17133
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.3	54.5
141	13.1	11.4	17.2





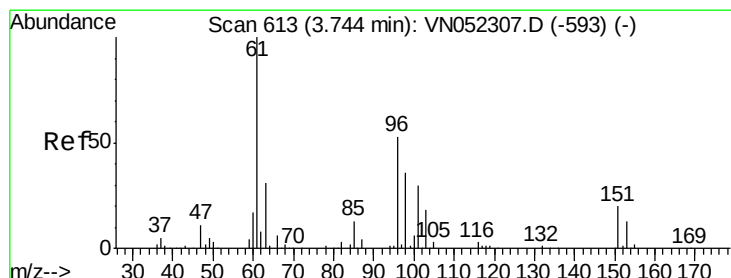
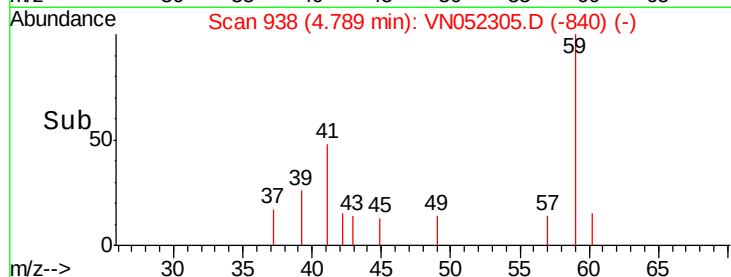
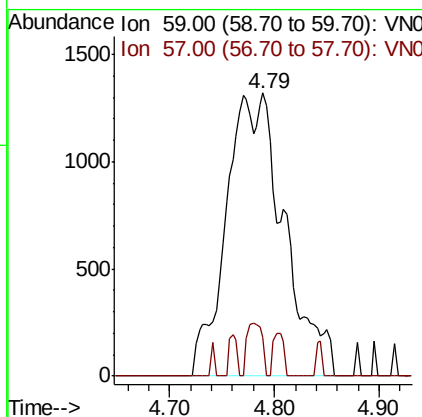
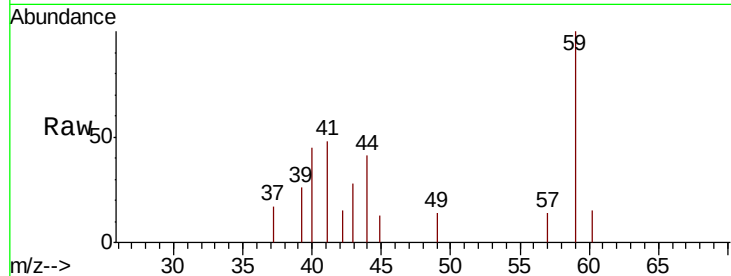
#11
Tert butyl alcohol
Concen: 27.181 ug/l m
RT: 4.79 min Scan# 938
Delta R.T. 0.02 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 5073
Ion Ratio Lower Upper
59 100
57 5.0 8.5 12.7#

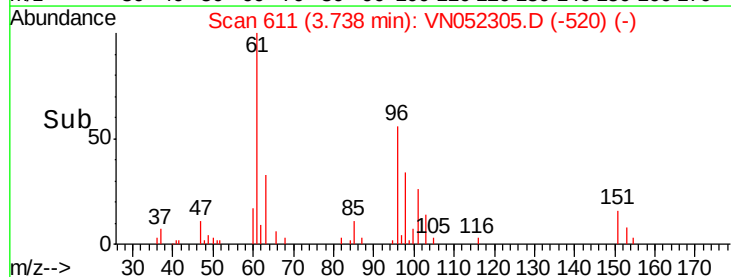
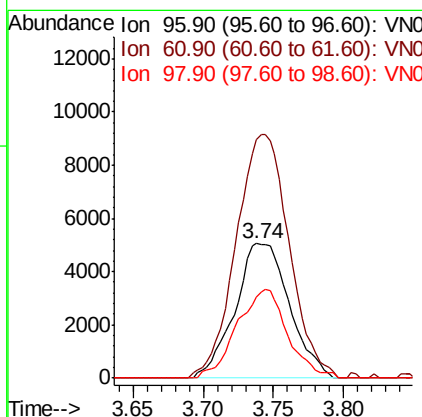
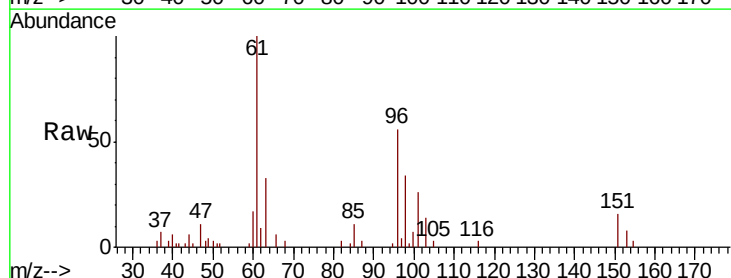
Manual Integrations
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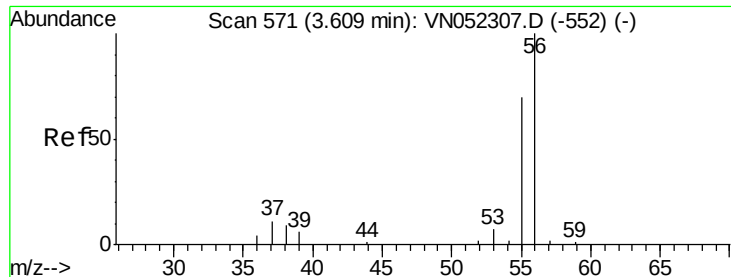
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.313 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.01 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion: 96 Resp: 13633
Ion Ratio Lower Upper
96 100
61 177.0 149.6 224.4
98 60.7 54.2 81.2





#13

Acrolein

Concen: 30.026 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7709

Ion Ratio Lower Upper

56 100

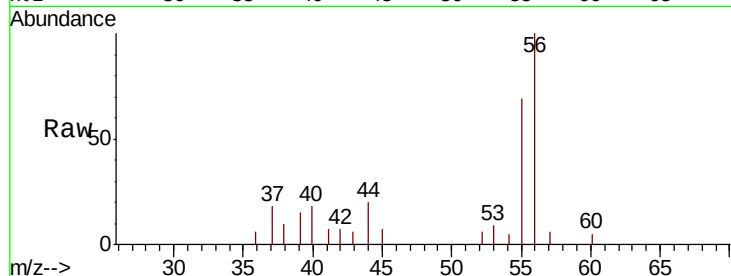
55 72.8 57.6 86.4

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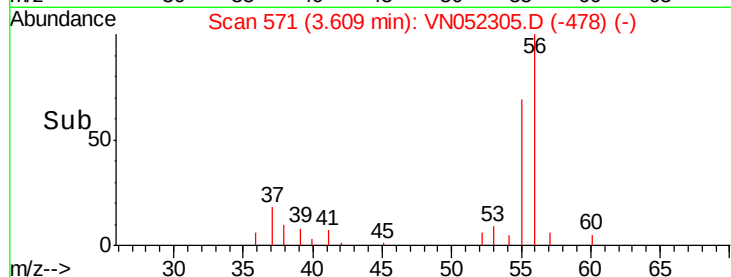


Abundance Ion 56.00 (55.70 to 56.70): VN052307.D (-552) (-)

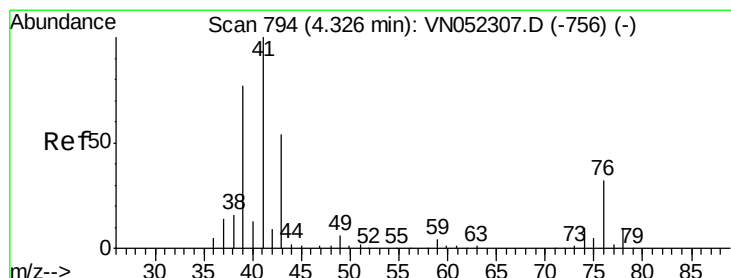
Ion 55.00 (54.70 to 55.70): VN052307.D (-552) (-)

3.61

3.65



Time-->



#14

Allyl chloride

Concen: 5.019 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

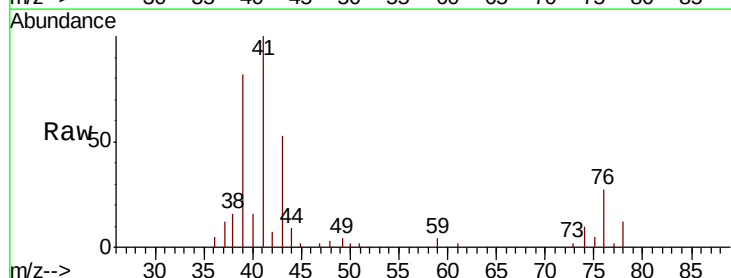
Tgt Ion: 41 Resp: 26445

Ion Ratio Lower Upper

41 100

39 71.2 59.1 88.7

76 14.8 24.1 36.1#



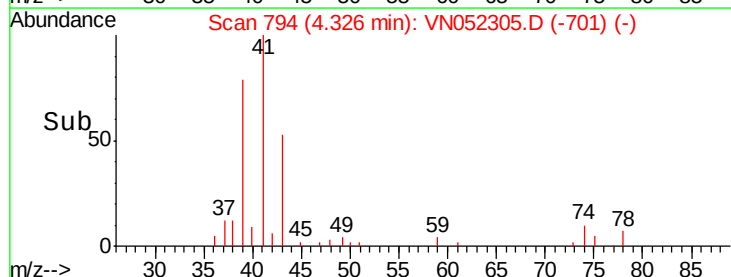
Abundance Ion 41.00 (40.70 to 41.70): VN052307.D (-756) (-)

Ion 39.00 (38.70 to 39.70): VN052307.D (-756) (-)

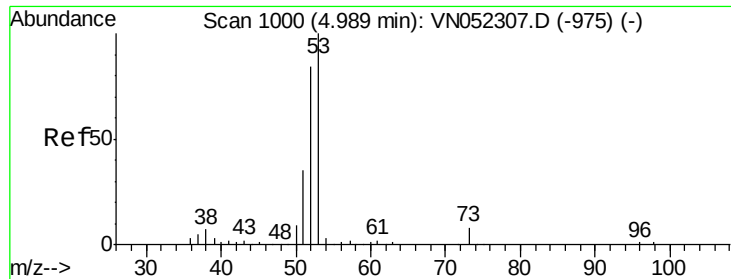
Ion 75.90 (75.60 to 76.60): VN052307.D (-756) (-)

4.33

4.40



Time-->



#15

Acrylonitrile

Concen: 25.653 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

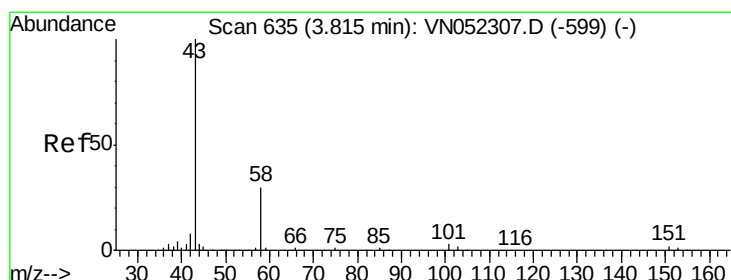
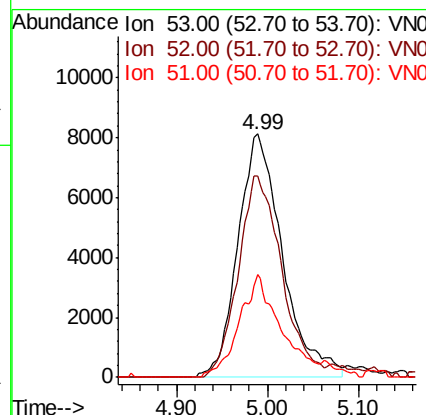
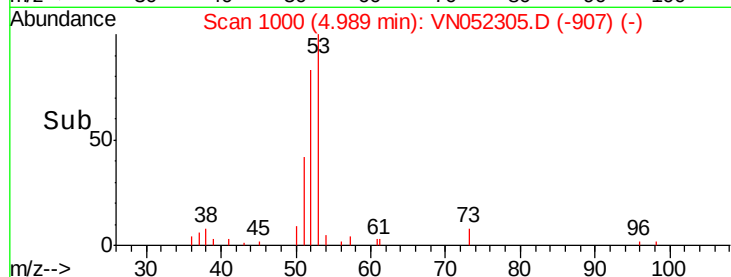
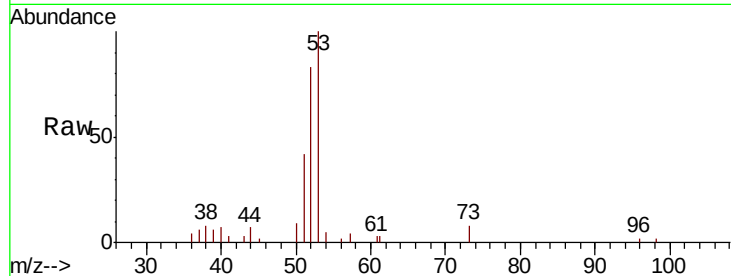
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	27623
Ion	Ratio	Lower	Upper
53	100		
52	80.4	67.5	101.3
51	39.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 24.928 ug/l

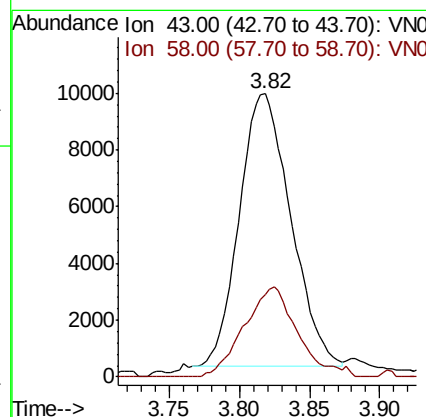
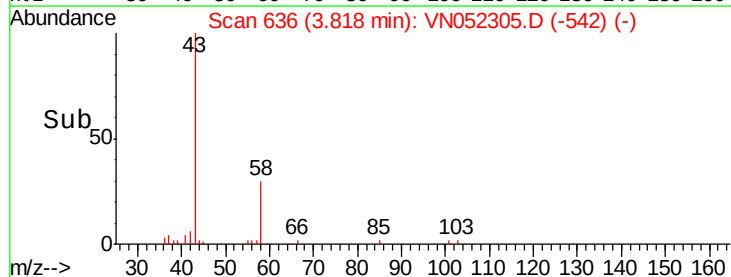
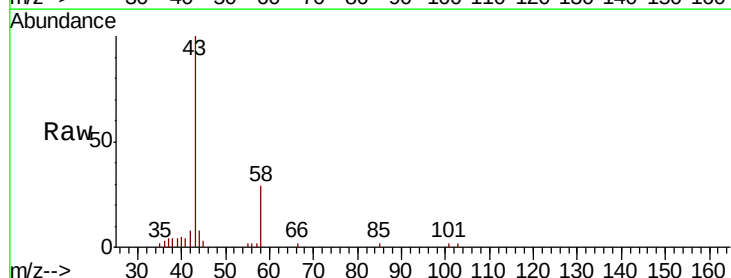
RT: 3.82 min Scan# 636

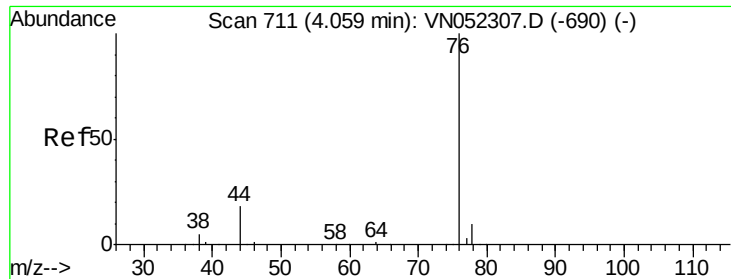
Delta R.T. 0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Tgt Ion:	43	Resp:	24572
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.2	36.4





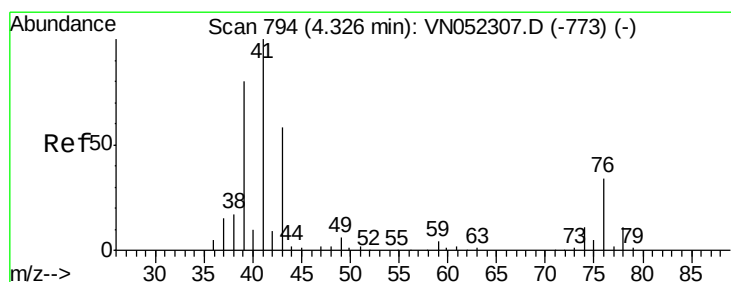
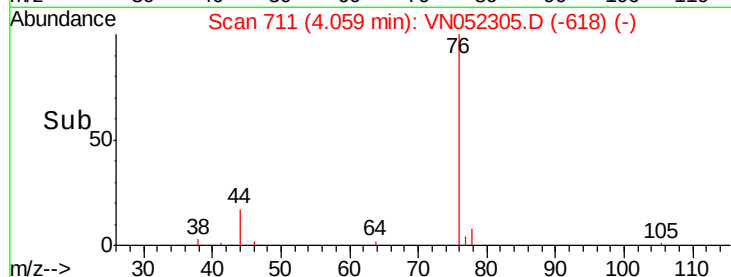
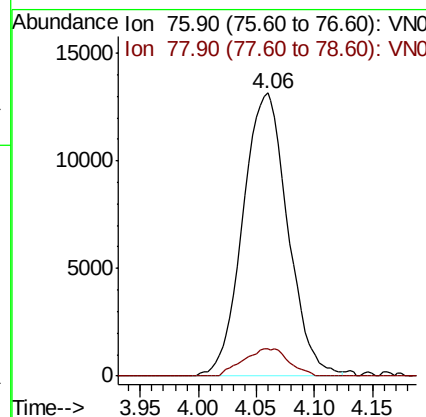
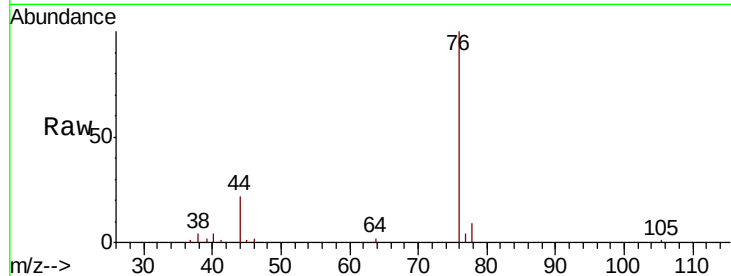
#17
Carbon Disulfide
Concen: 4.813 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 35414
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5

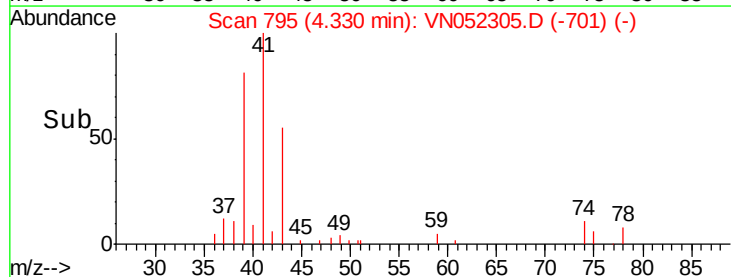
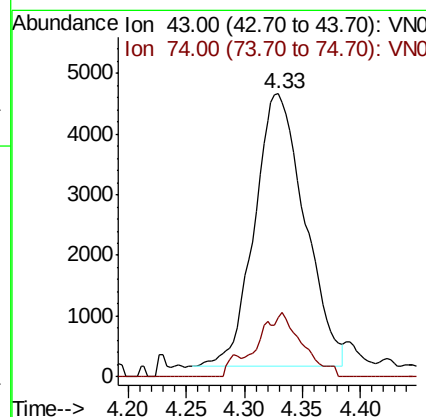
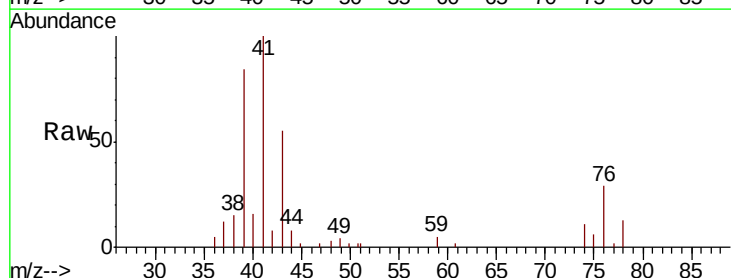
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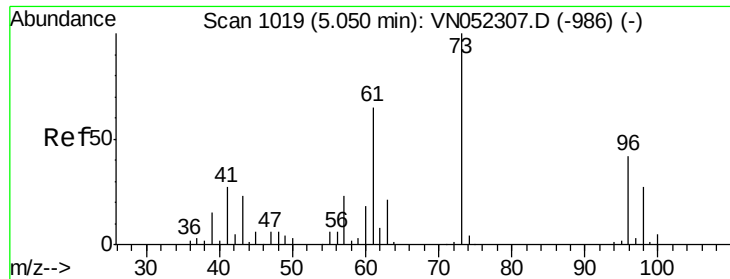
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#18
Methyl Acetate
Concen: 4.823 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion: 43 Resp: 13567
Ion Ratio Lower Upper
43 100
74 3.1 15.9 23.9#





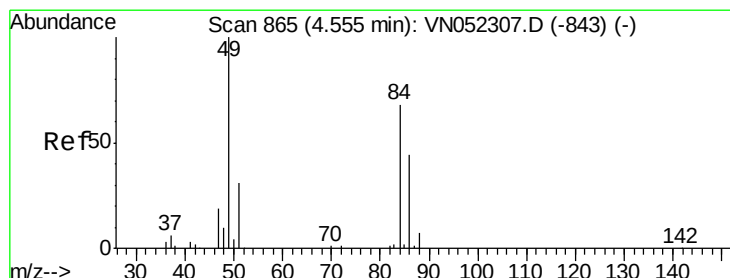
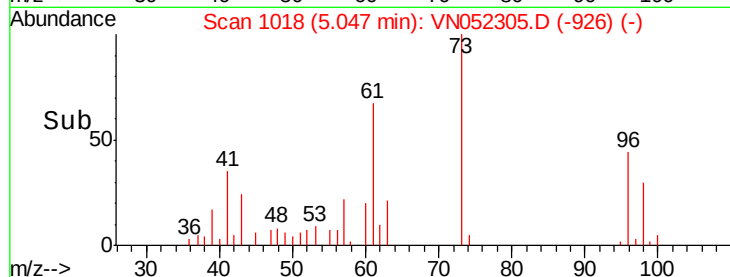
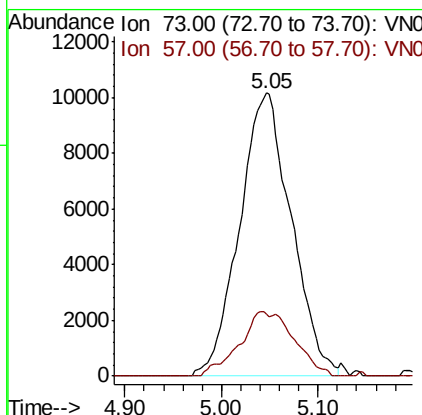
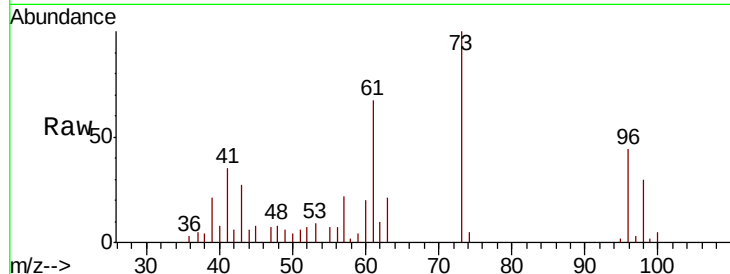
#19
Methyl tert-butyl Ether
Concen: 5.129 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 37819
Ion Ratio Lower Upper
73 100
57 21.8 18.7 28.1

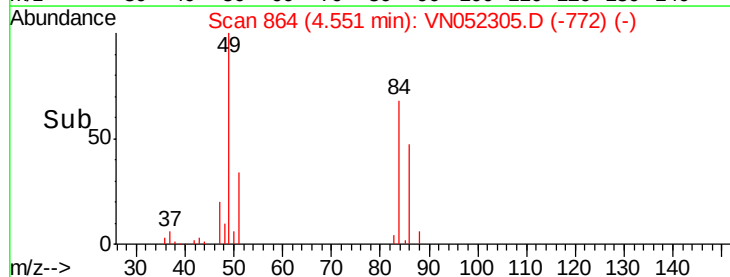
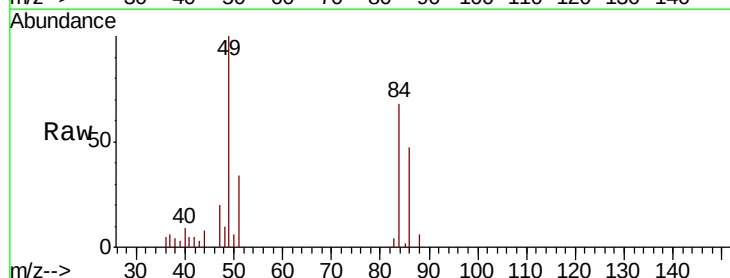
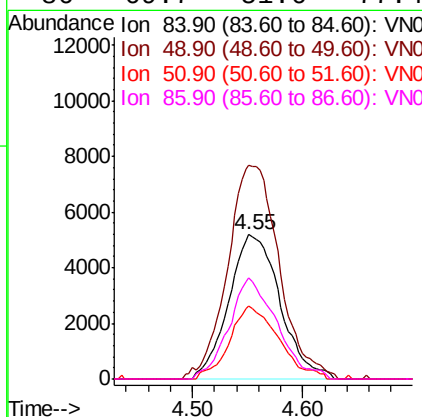
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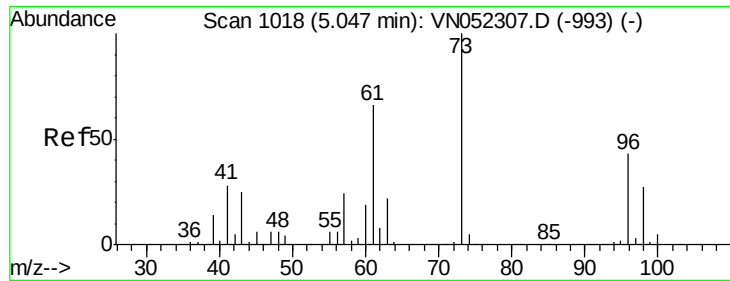
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#20
Methylene Chloride
Concen: 5.180 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion: 84 Resp: 16714
Ion Ratio Lower Upper
84 100
49 147.9 118.2 177.2
51 50.7 36.1 54.1
86 69.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 5.575 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 14818

Ion Ratio Lower Upper

96 100

61 144.5 123.6 185.4

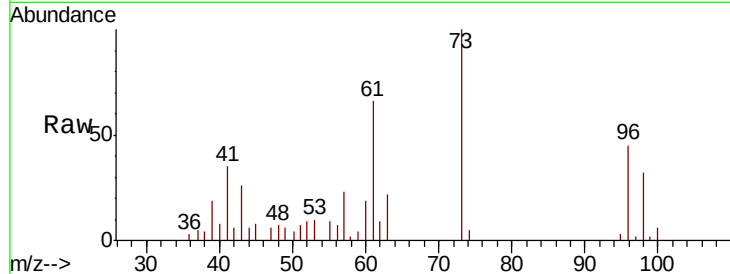
98 72.2 50.7 76.1

Manual Integrations

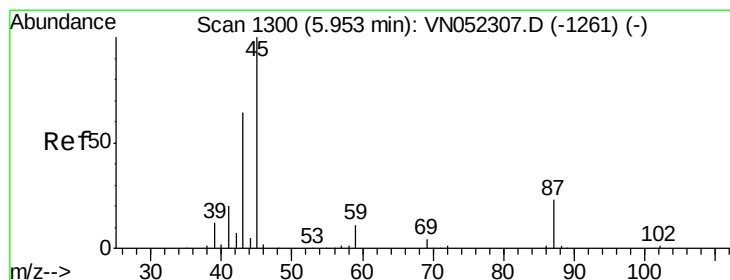
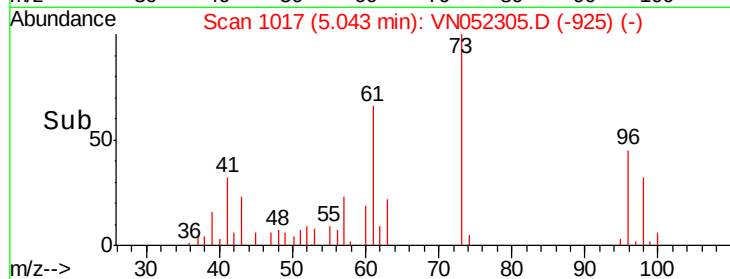
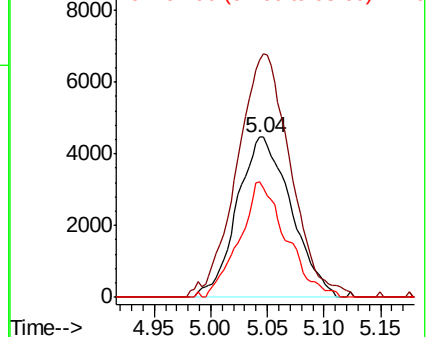
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 5.077 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Tgt Ion: 45 Resp: 55165

Ion Ratio Lower Upper

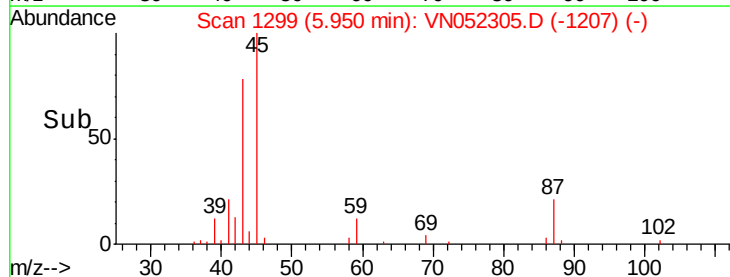
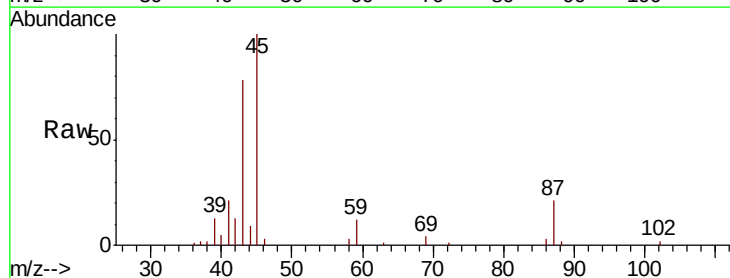
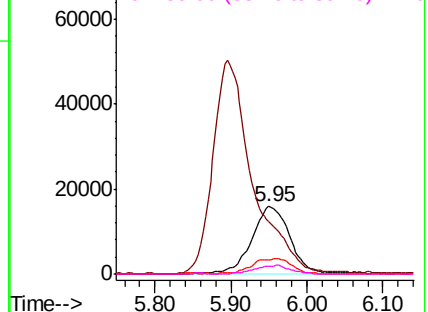
45 100

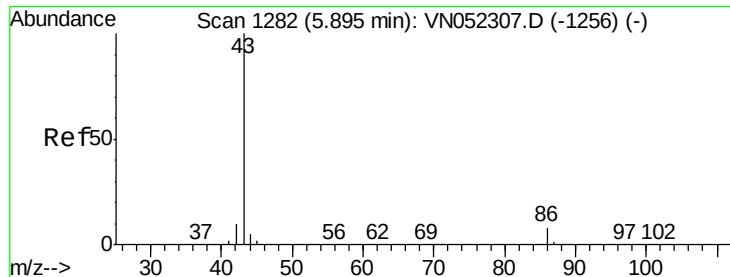
43 73.9 51.4 77.2

87 20.8 18.8 28.2

59 11.8 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: 25.097 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 183014

Ion Ratio Lower Upper

43 100

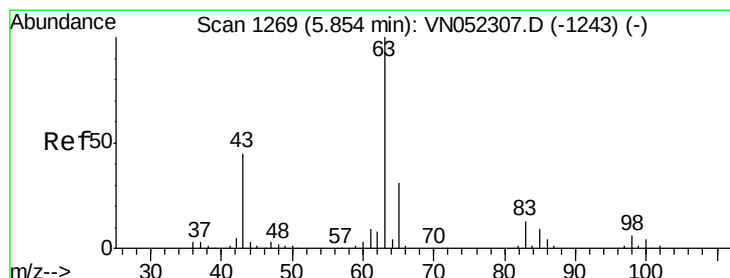
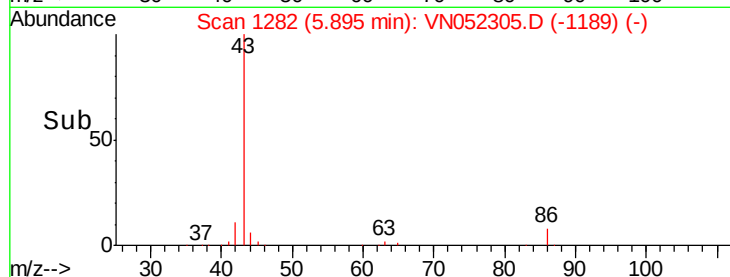
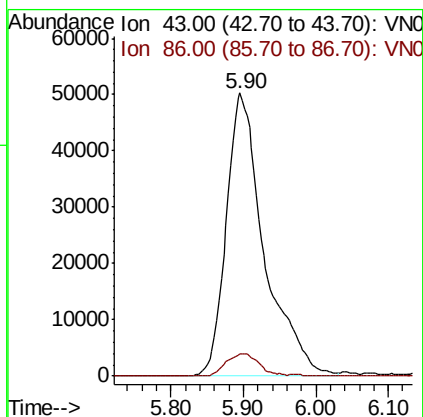
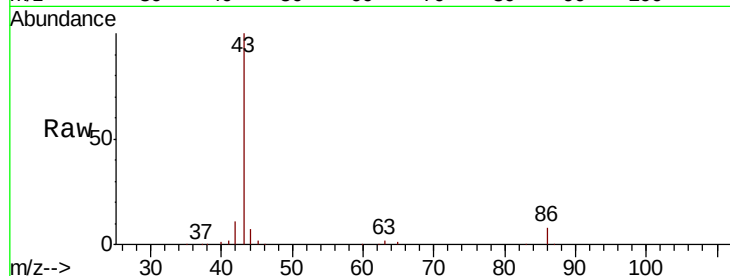
86 7.9 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 5.300 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

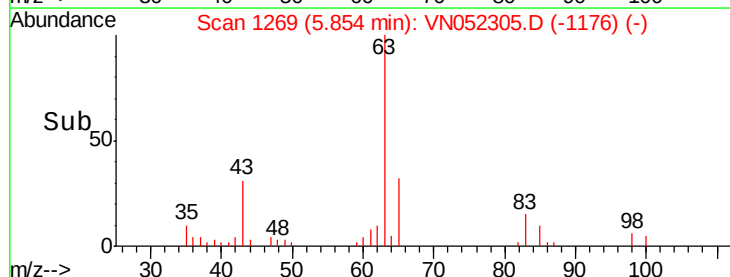
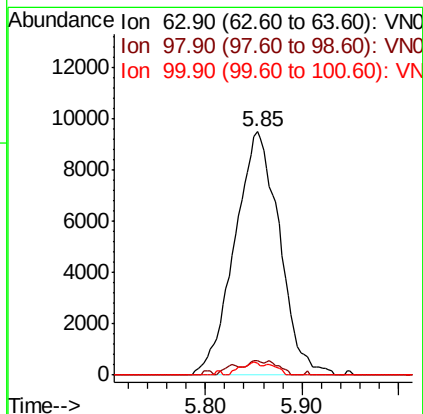
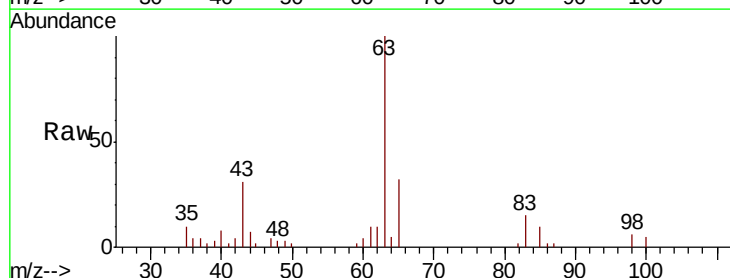
Tgt Ion: 63 Resp: 30552

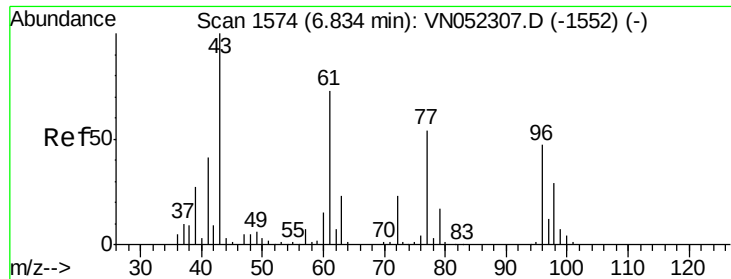
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

100 4.9 1.9 5.7





#25

2-Butanone

Concen: 27.164 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 37061

Ion Ratio Lower Upper

43 100

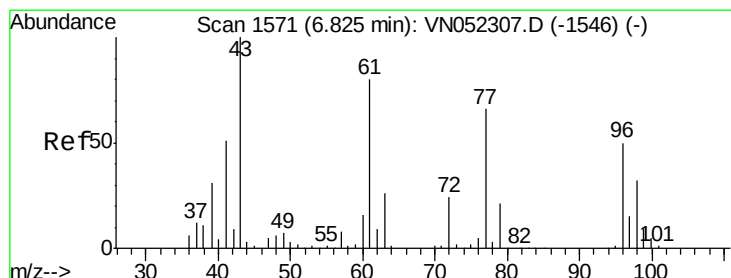
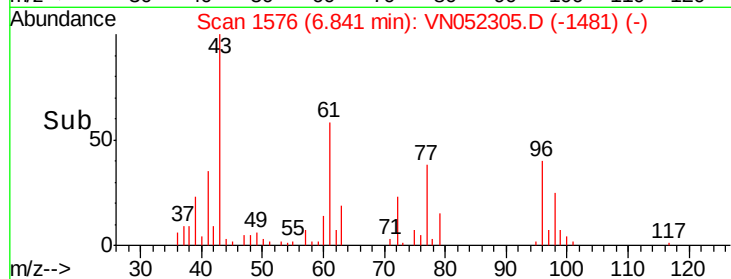
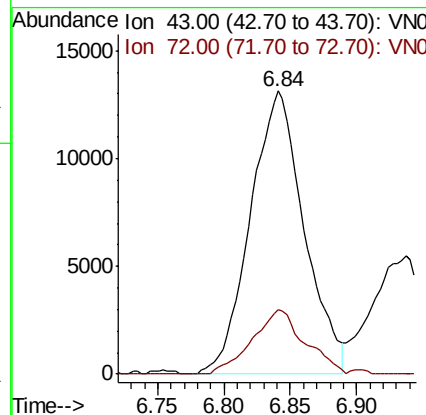
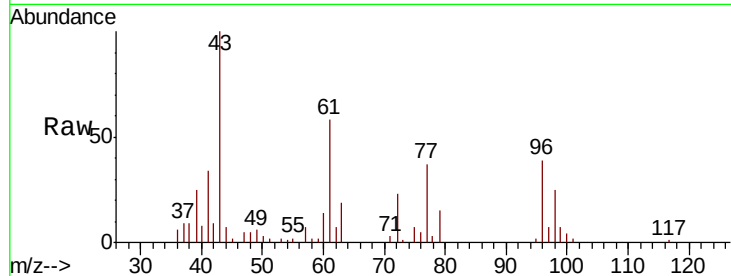
72 22.6 18.6 27.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.845 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052305.D

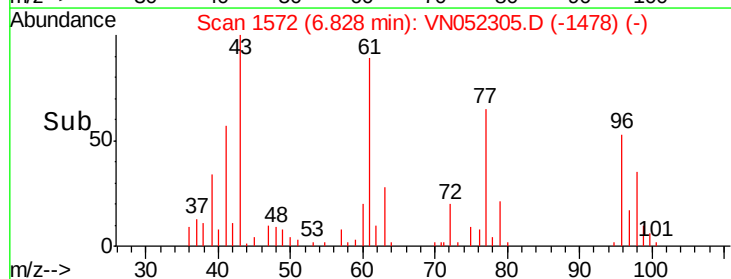
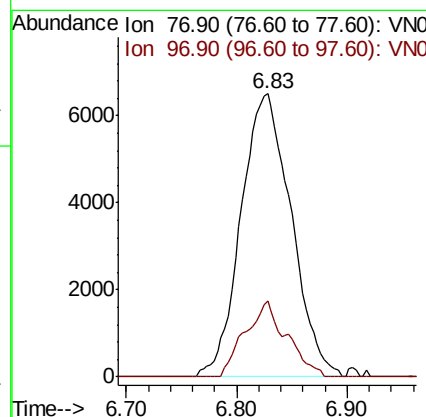
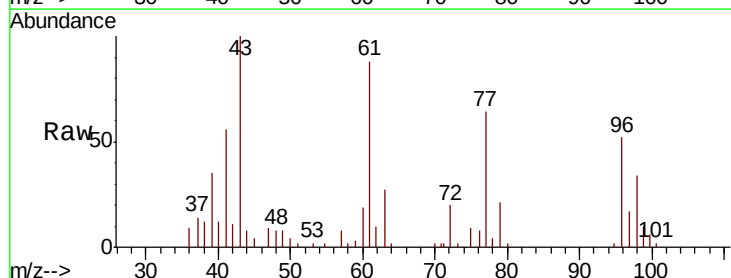
Acq: 14 Nov 2018 10:57

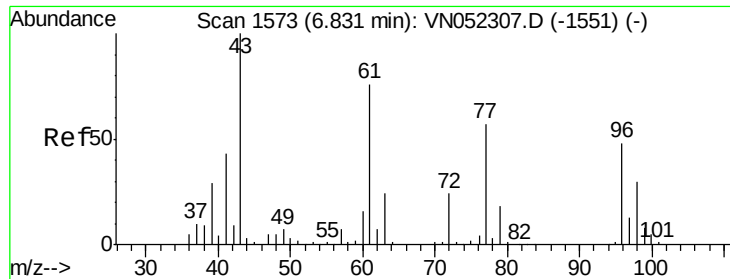
Tgt Ion: 77 Resp: 20534

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 5.315 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 17093

Ion Ratio Lower Upper

96 100

61 157.3 0.0 316.8

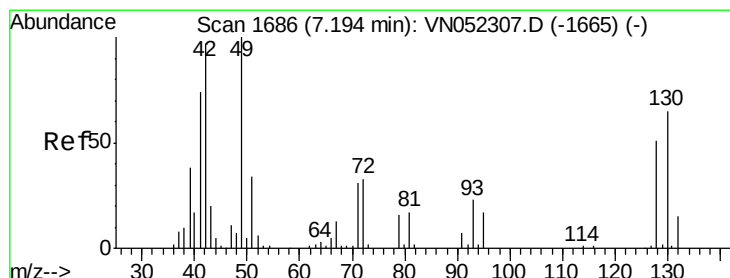
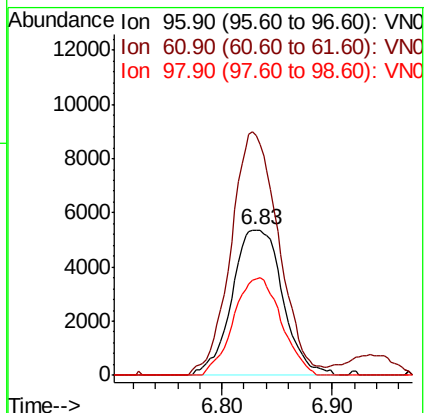
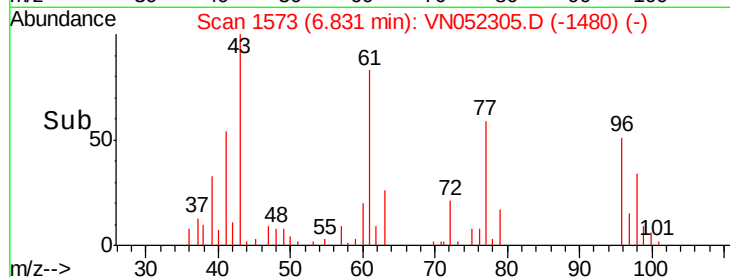
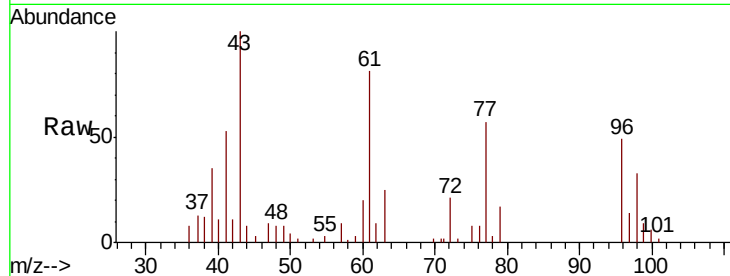
98 63.2 0.0 126.6

Manual Integrations

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#28

Bromochloromethane

Concen: 5.279 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

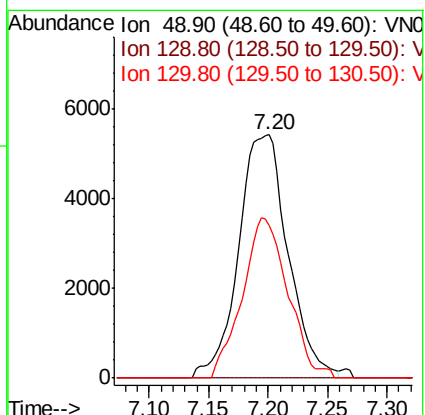
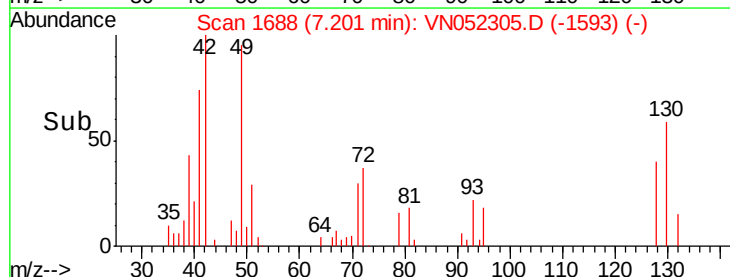
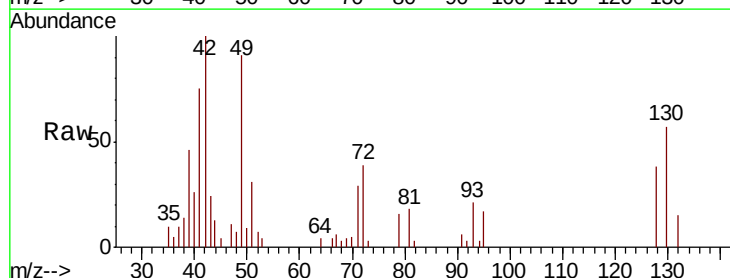
Tgt Ion: 49 Resp: 15647

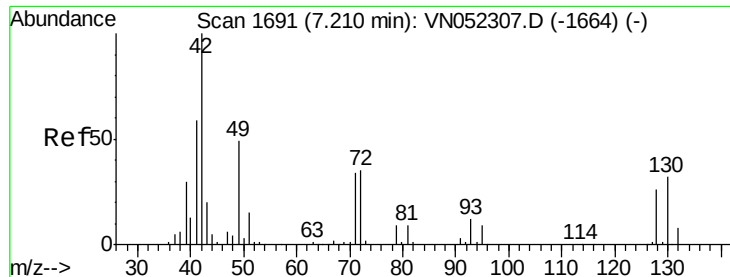
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.0

130 60.5 50.4 75.6





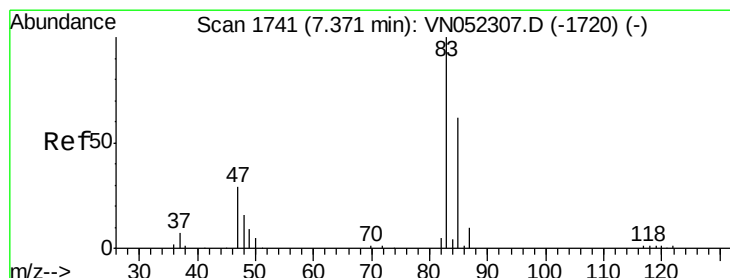
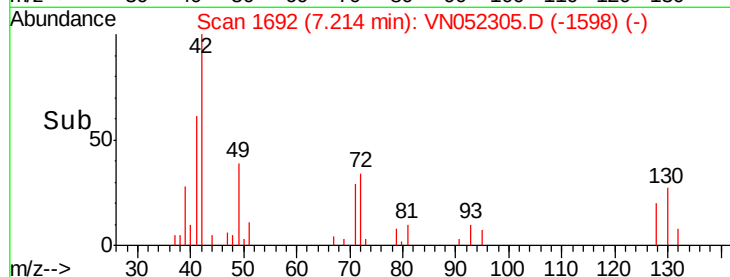
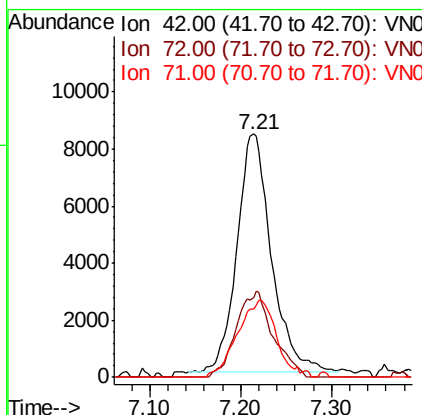
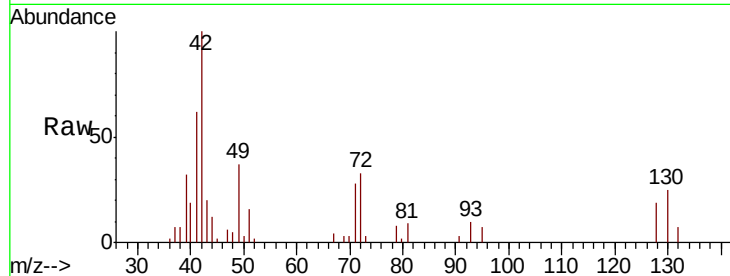
#29
Tetrahydrofuran
Concen: 24.446 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	28.6	42.8
71	36.5	26.7	40.1

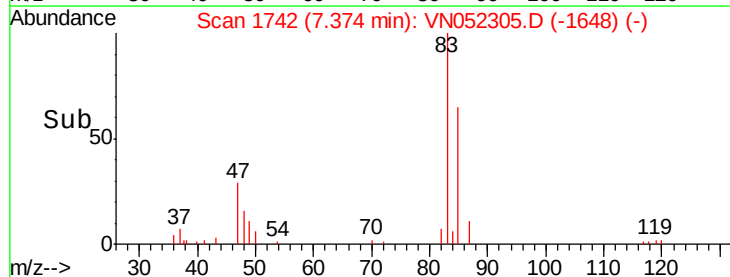
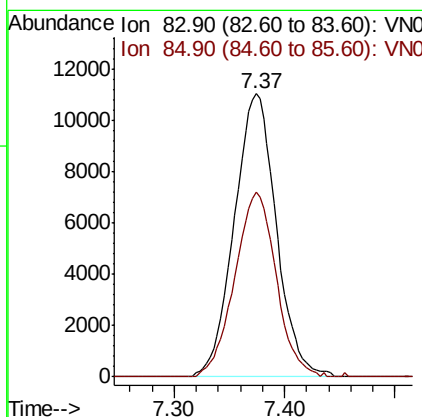
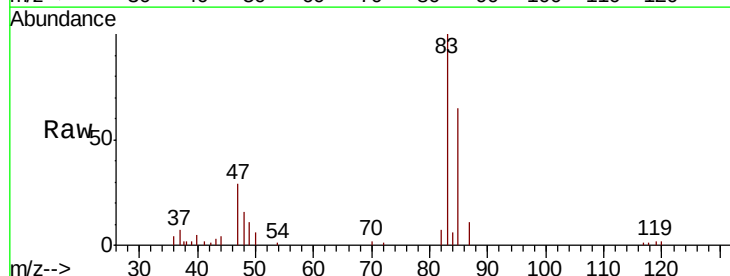
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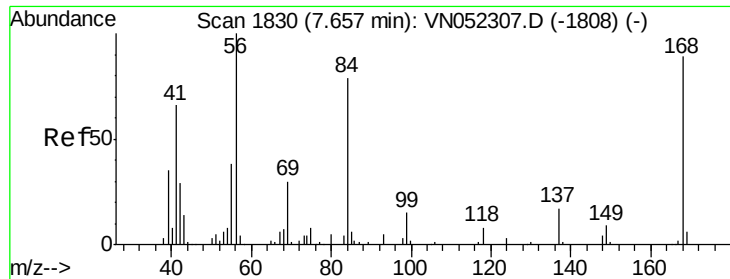
MMDadoda
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#30
Chloroform
Concen: 5.312 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.4	74.2





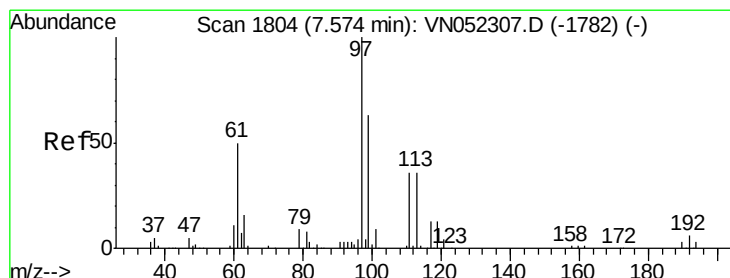
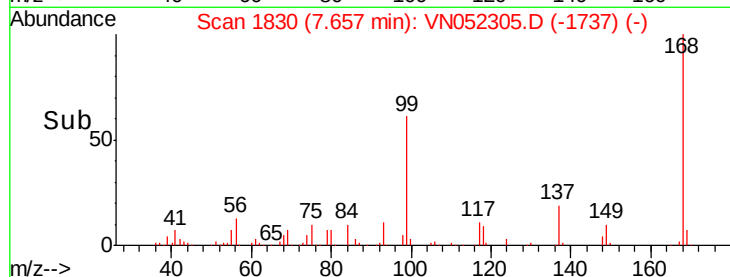
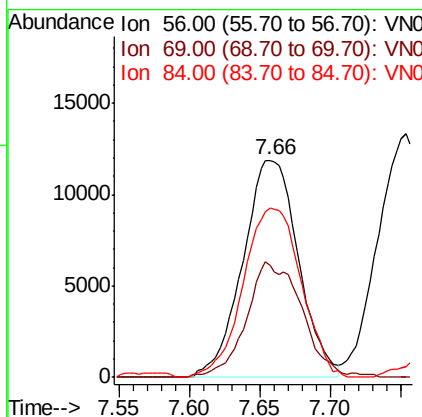
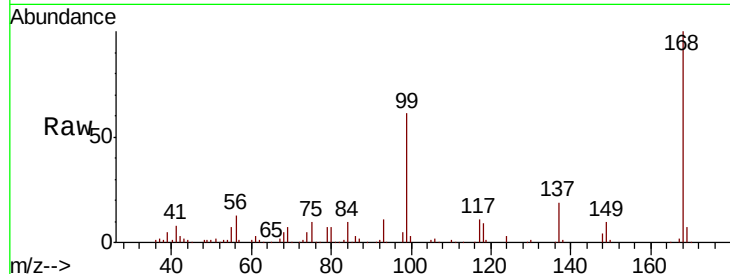
#31
Cyclohexane
Concen: 4.887 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	51.4	23.8	35.8#
84	78.0	63.0	94.6

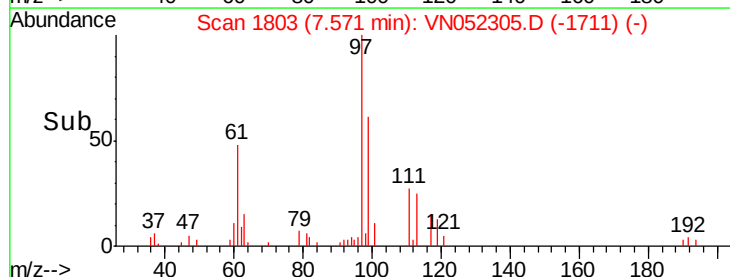
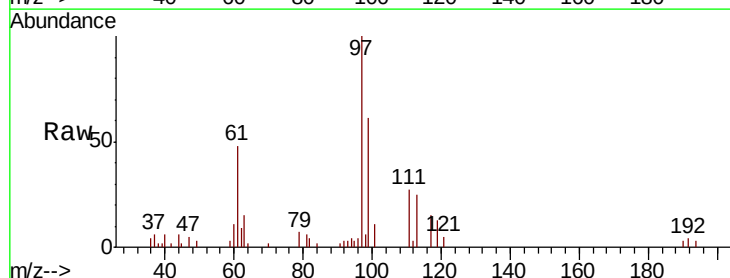
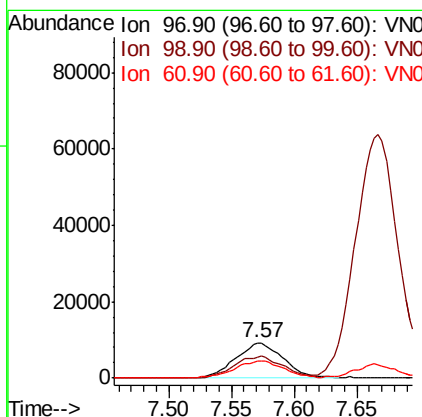
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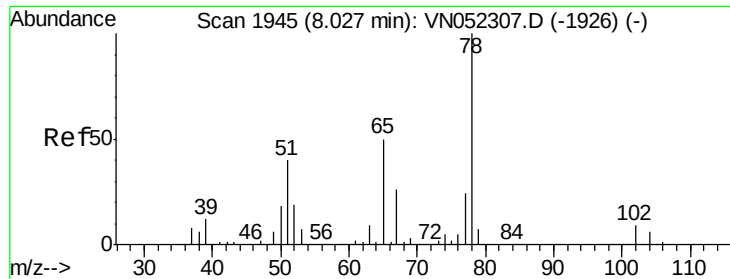
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.163 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.2	75.2
61	50.9	40.2	60.4





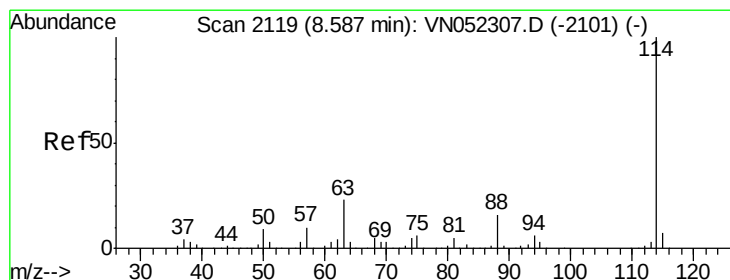
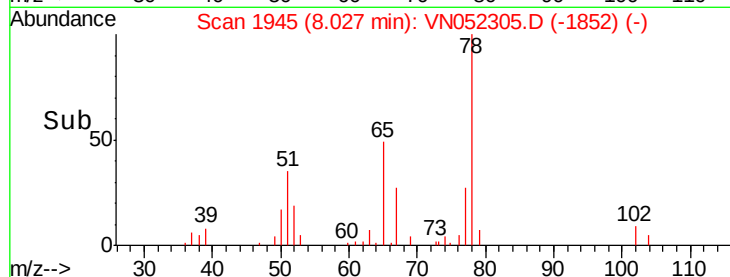
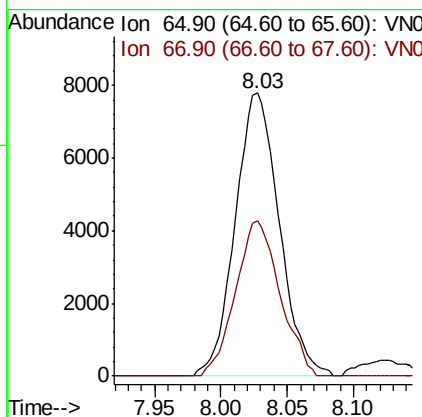
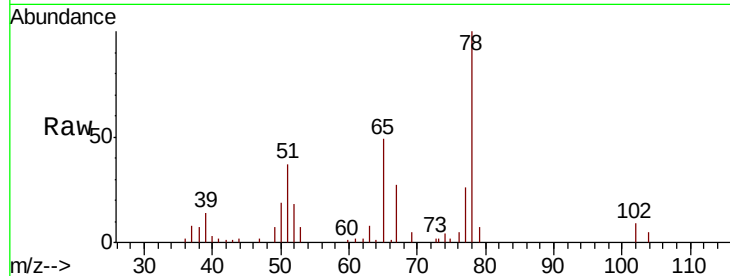
#33
 1,2-Dichloroethane-d4
 Concen: 5.163 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 18037
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 105.2

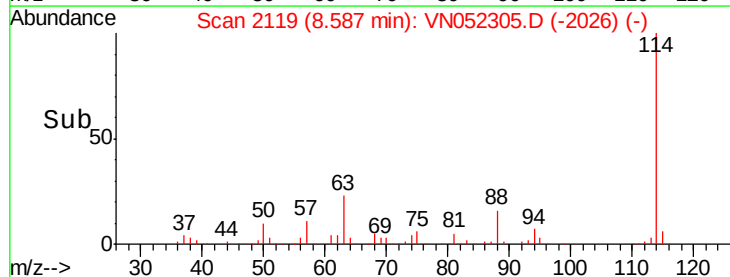
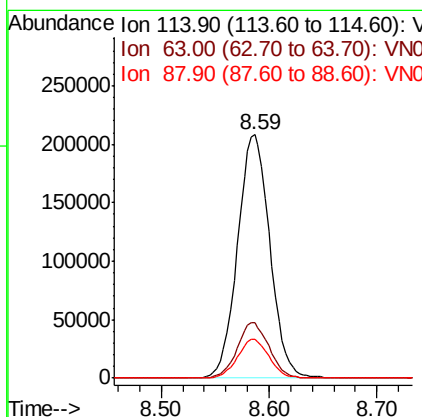
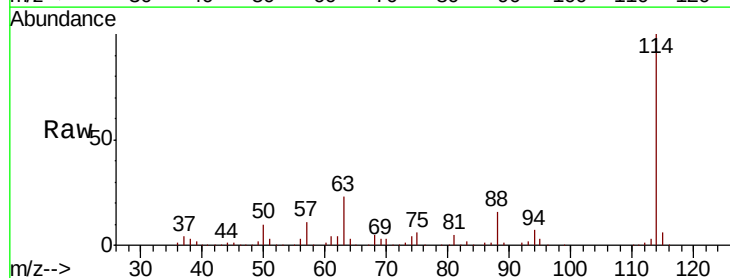
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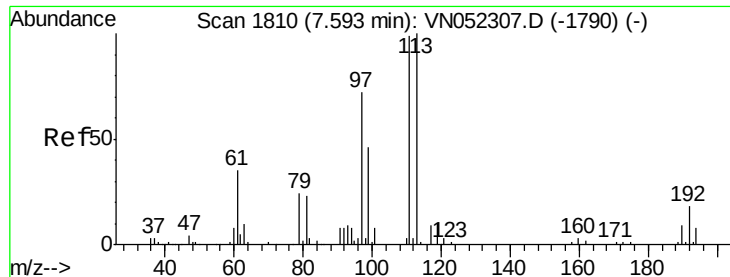
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion: 114 Resp: 433400
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.4
 88 16.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

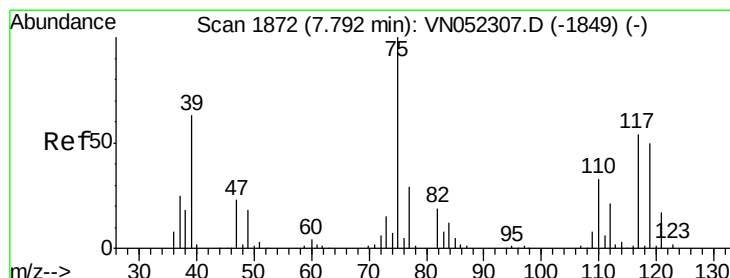
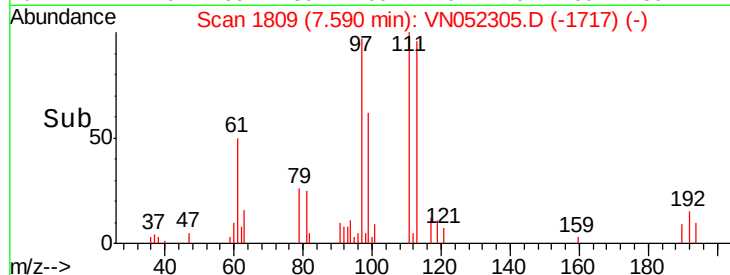
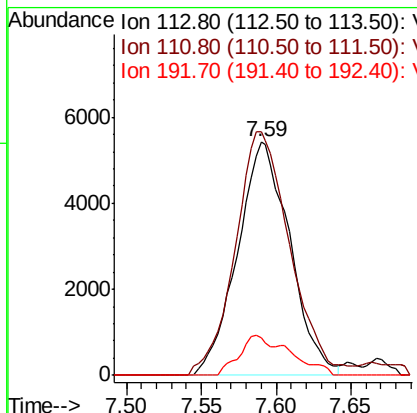
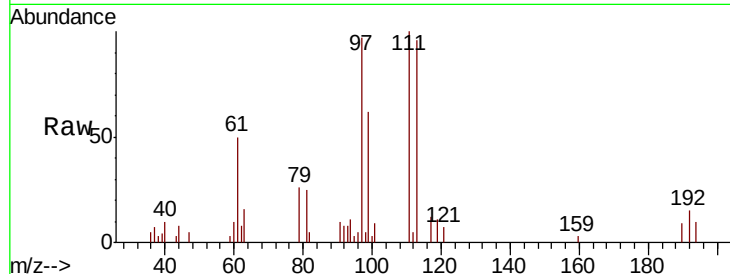
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	109.0	81.0	121.6
192	10.5	13.8	20.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 4.921 ug/l

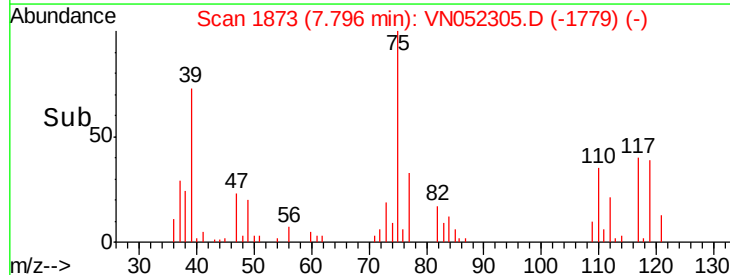
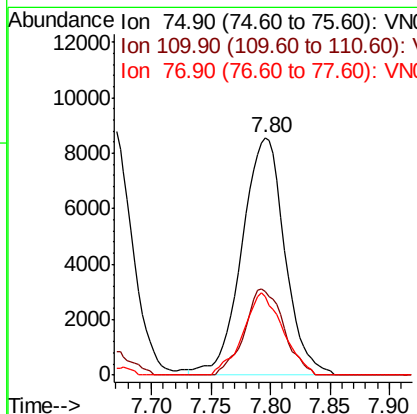
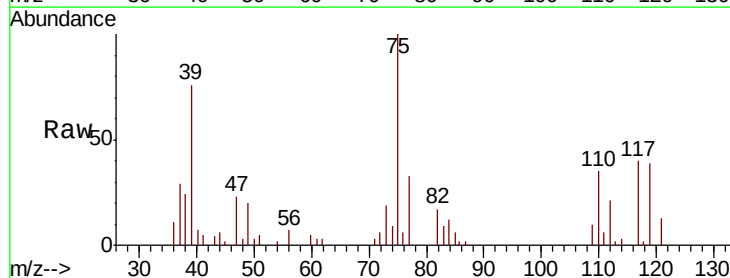
RT: 7.80 min Scan# 1873

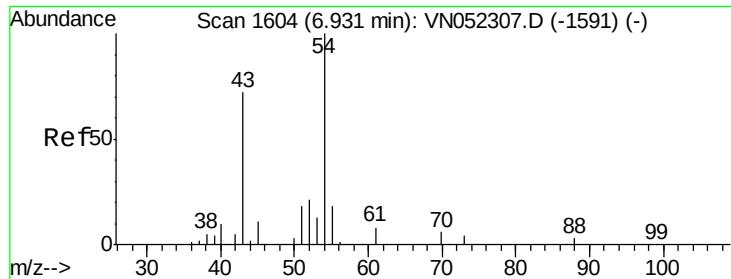
Delta R.T. 0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.5	49.5
77	32.0	24.2	36.2





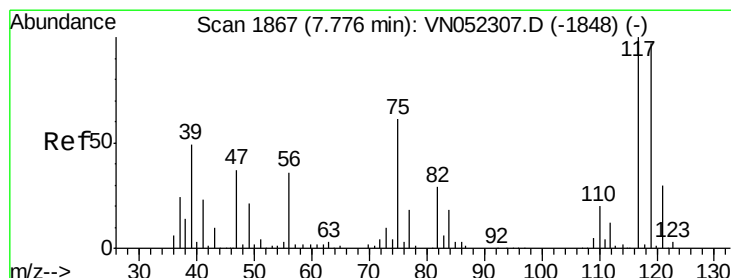
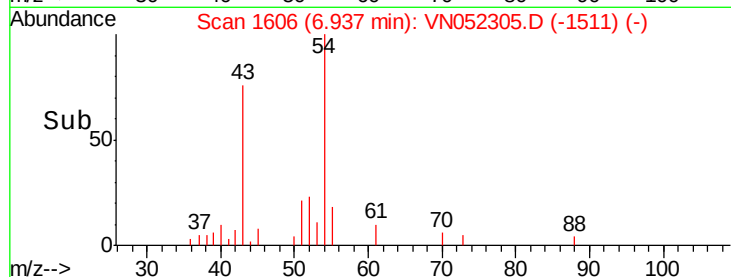
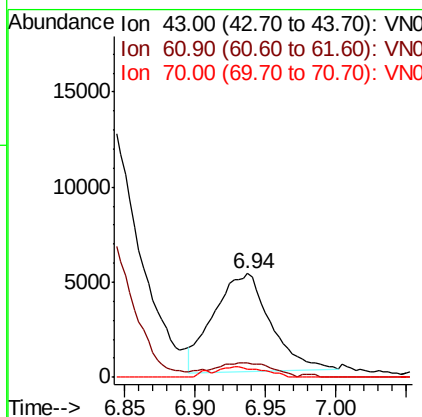
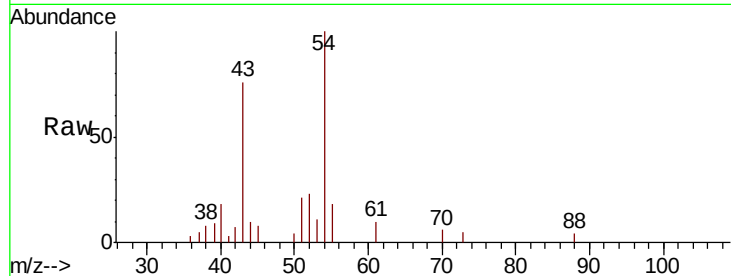
#37
Ethyl Acetate
Concen: 4.337 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70
Resp	14396		
Ratio	100	16.1	8.3
Lower		10.3	5.6
Upper		15.5	8.4

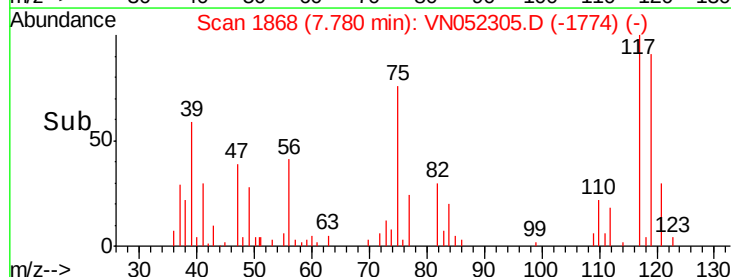
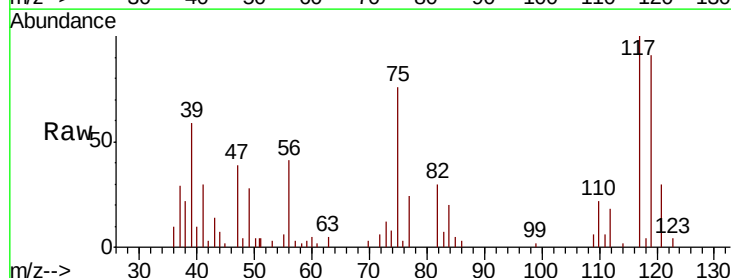
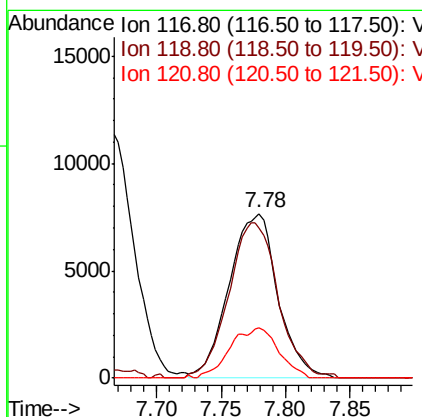
Manual Integrations
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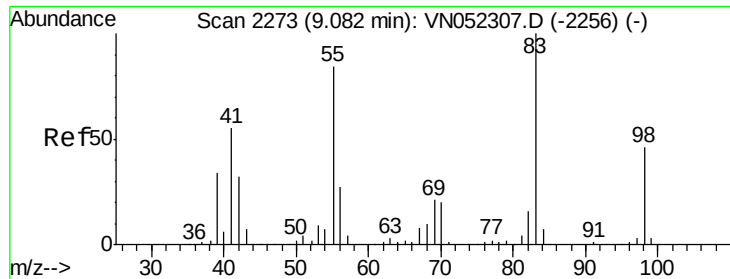
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#38
Carbon Tetrachloride
Concen: 5.046 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion	117	119	121
Resp	20139		
Ratio	100	90.9	30.4
Lower		77.4	24.0
Upper		116.0	36.0





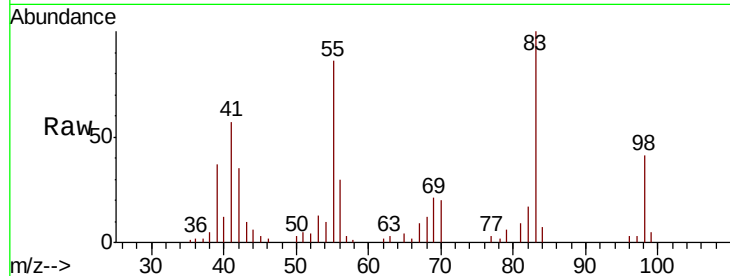
#39
Methylvlcyclohexane
Concen: 4.975 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83.00	Resp	24671
Ion	Ratio	Lower	Upper
83	100		
55	85.7	66.8	100.2
98	40.8	36.4	54.6

Manual Integrations
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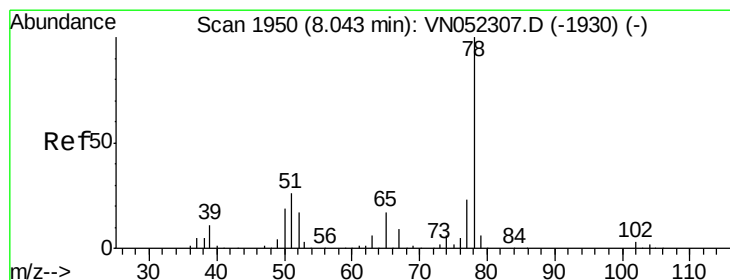
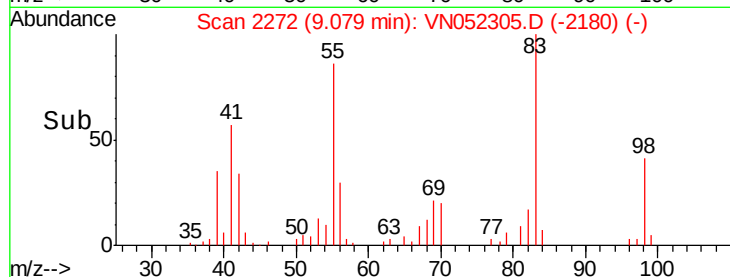
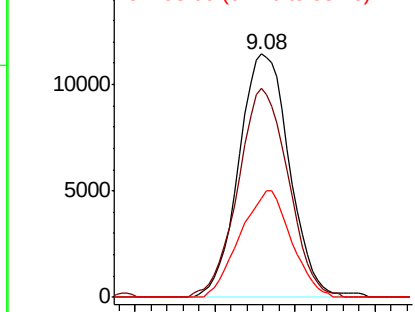


Abundance

Ion 83.00 (82.70 to 83.70): VN0

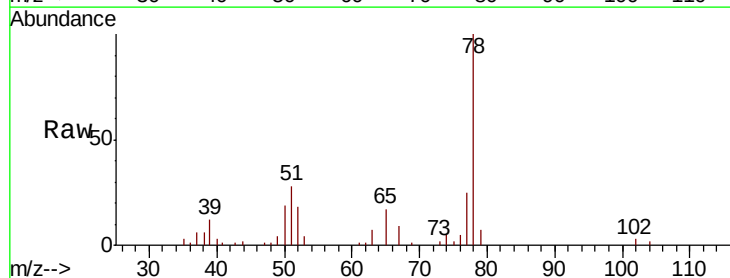
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 5.061 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

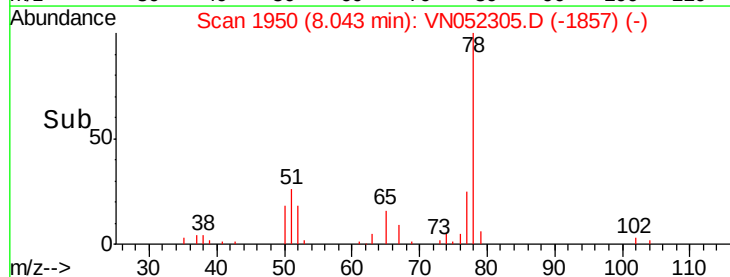
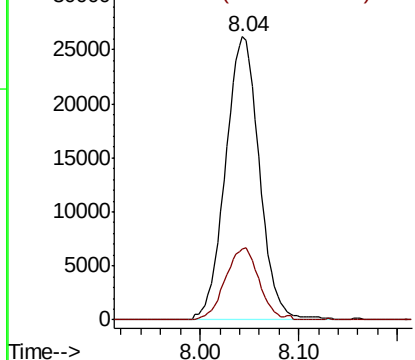
Tgt Ion	78	Resp	62801
Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.7	28.1

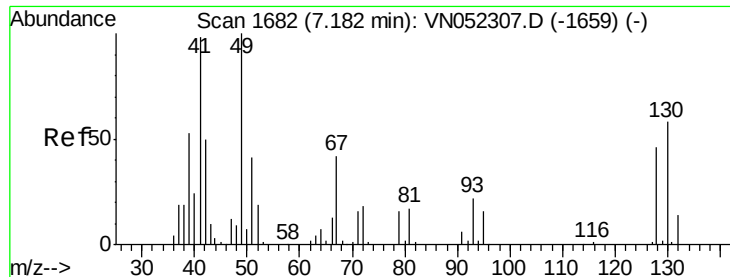


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 5.083 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 9079

Ion Ratio Lower Upper

41 100

39 51.3 0.0 0.0#

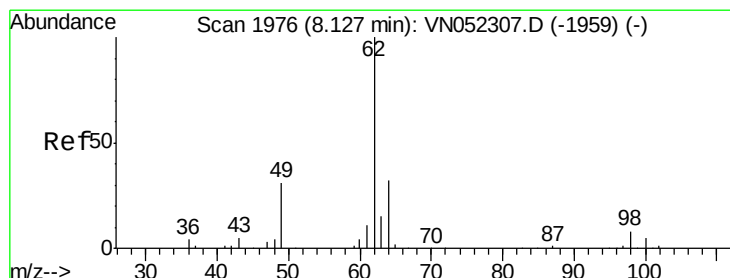
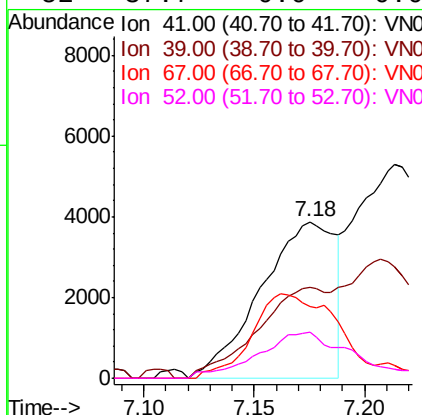
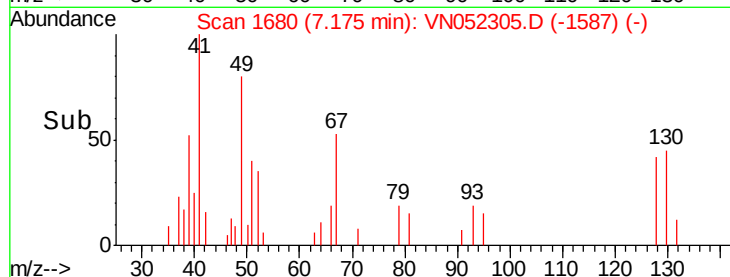
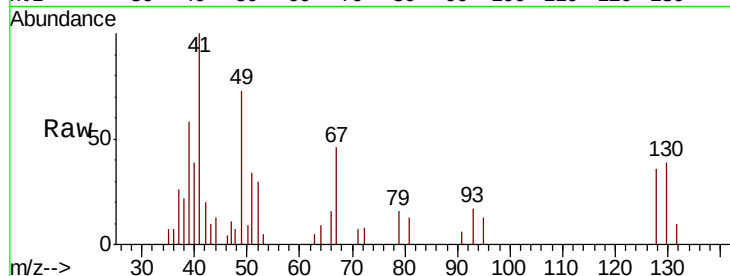
67 64.6 0.0 0.0#

52 37.7 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 5.320 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.01 min

Lab File: VN052305.D

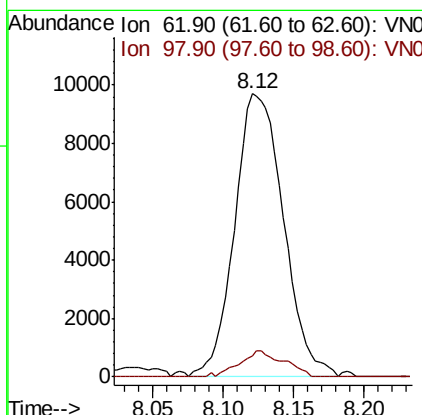
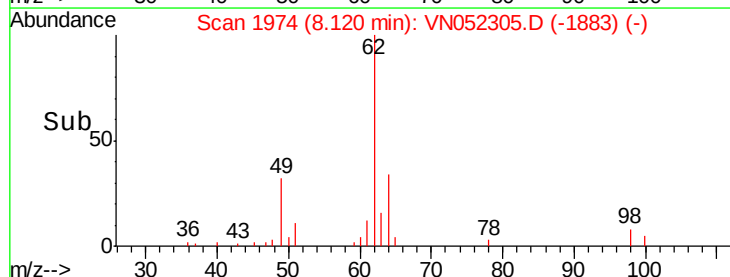
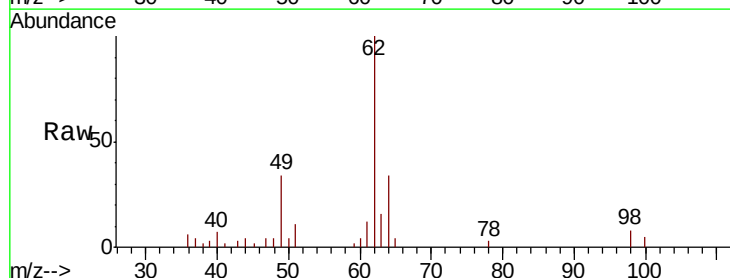
Acq: 14 Nov 2018 10:57

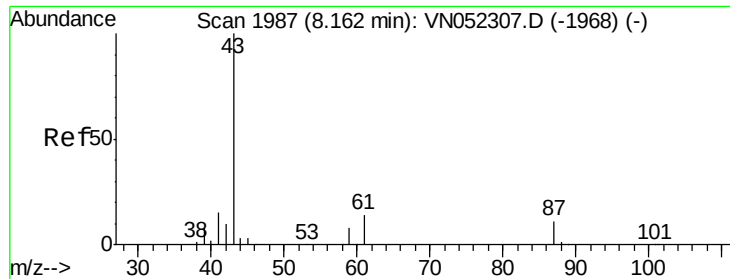
Tgt Ion: 62 Resp: 23541

Ion Ratio Lower Upper

62 100

98 8.4 0.0 15.6





#43

Isopropyl Acetate

Concen: 5.034 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

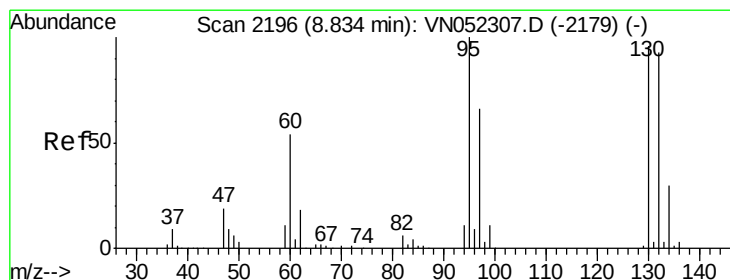
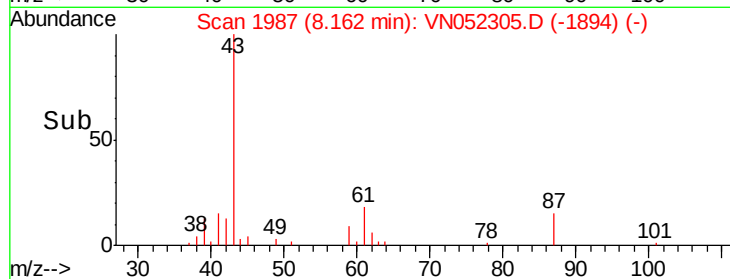
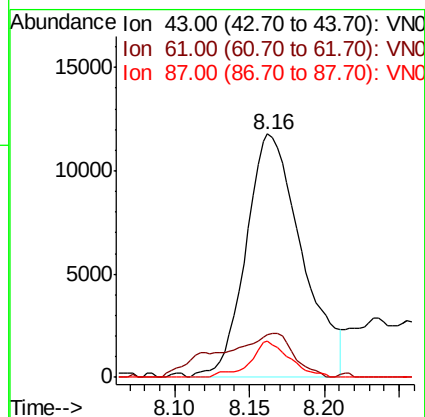
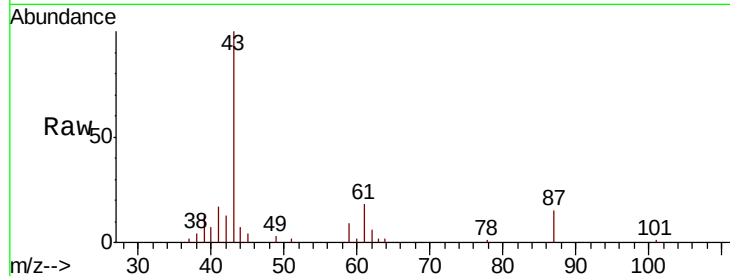
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	30624
Ion	Ratio	Lower	Upper
43	100		
61	11.3	12.0	18.0#
87	10.5	8.3	12.5

Manual Integrations
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#44

Trichloroethene

Concen: 4.860 ug/l

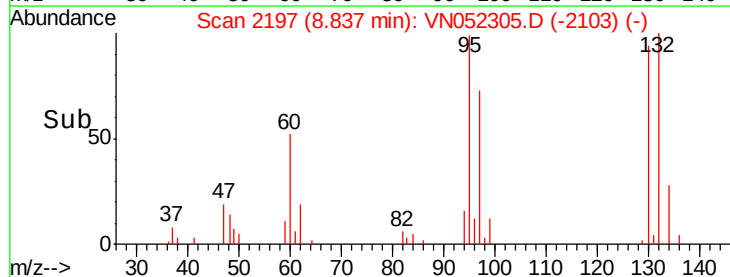
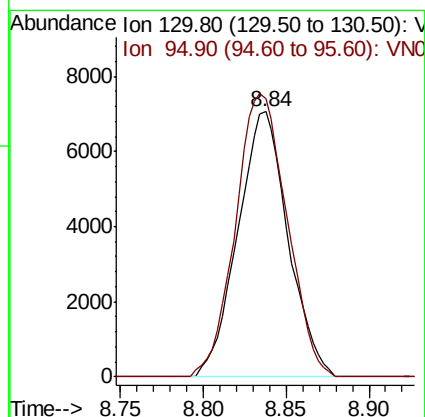
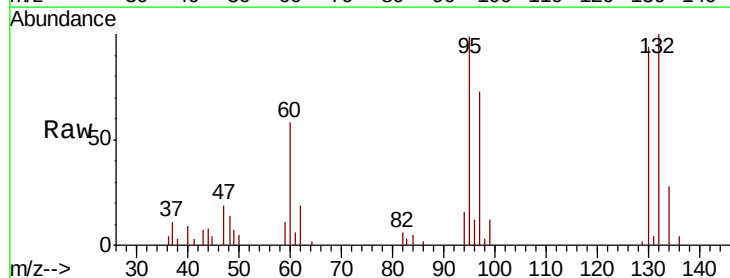
RT: 8.84 min Scan# 2197

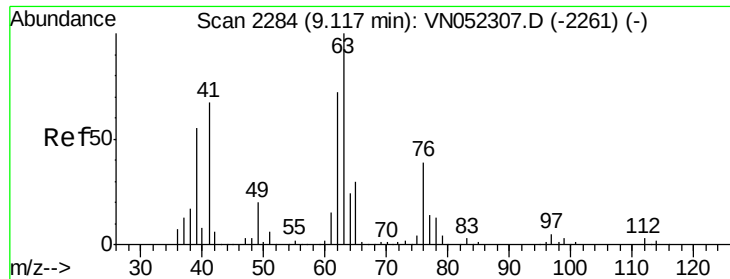
Delta R.T. 0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Tgt Ion:	130	Resp:	14855
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	208.4





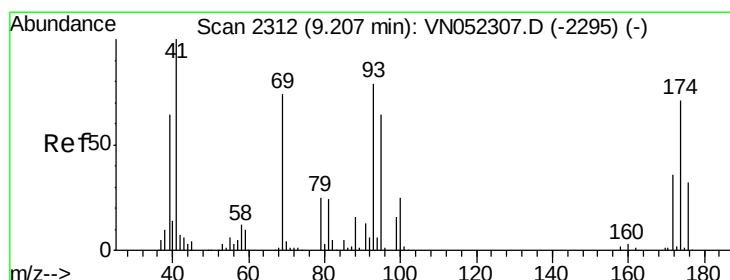
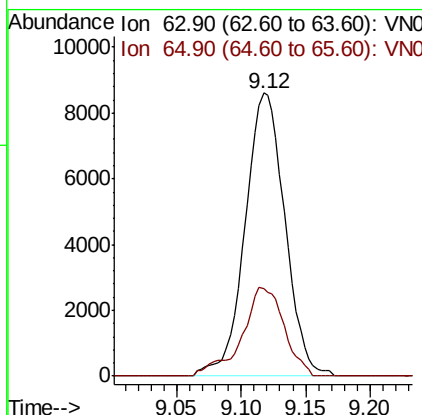
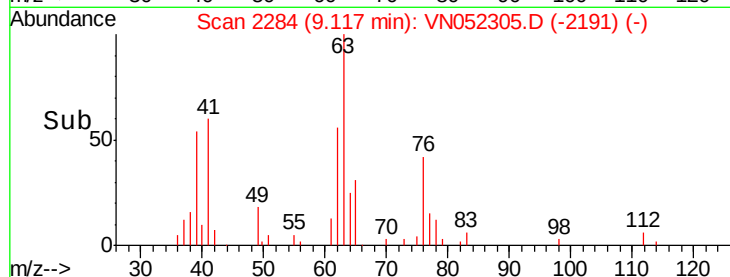
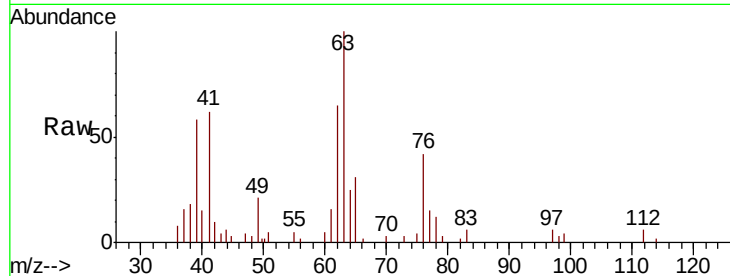
#45
 1,2-Dichloropropane
 Concen: 5.265 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 18544
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.2 36.4

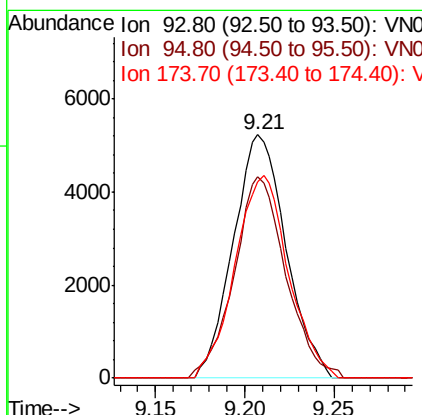
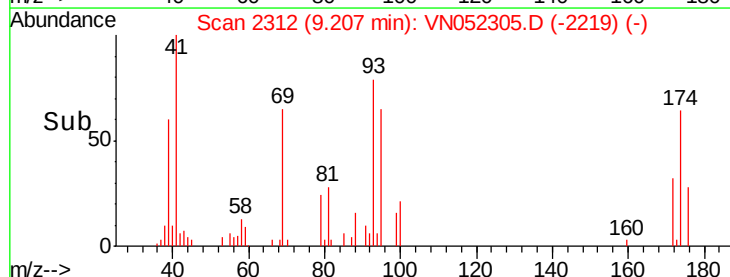
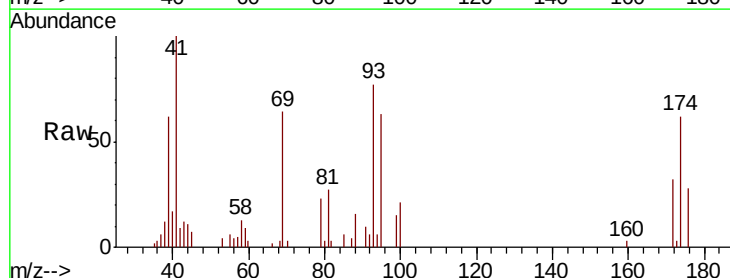
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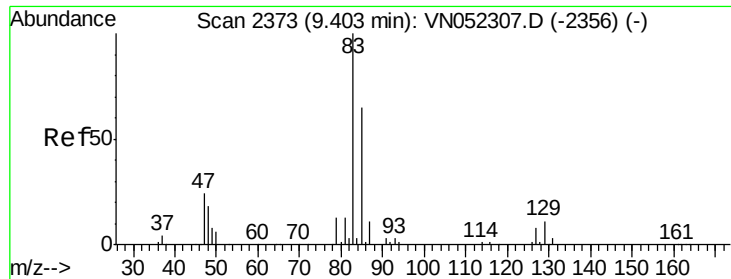
MMDadoda
 11/20/2018 2:58:09 PM



#46
 Dibromomethane
 Concen: 5.298 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion: 93 Resp: 10802
 Ion Ratio Lower Upper
 93 100
 95 81.1 64.2 96.2
 174 84.5 70.9 106.3





#47

Bromodichloromethane

Concen: 4.907 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

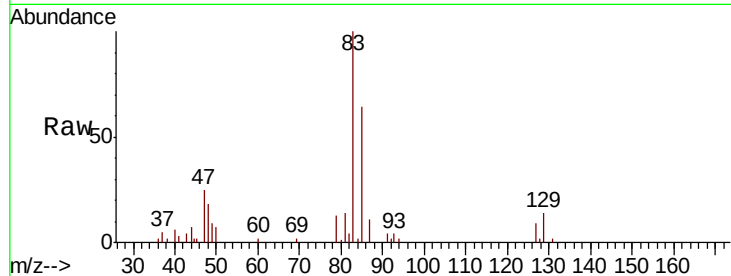
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	20530
Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.4
127	9.3	6.7	10.1

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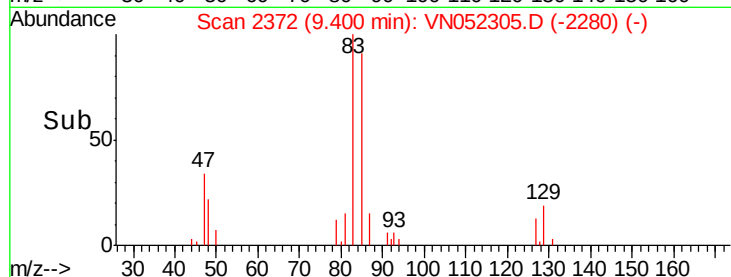


Abundance Ion 82.90 (82.60 to 83.60): VN052307.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN052307.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN052307.D (-2356) (-)

Time-->

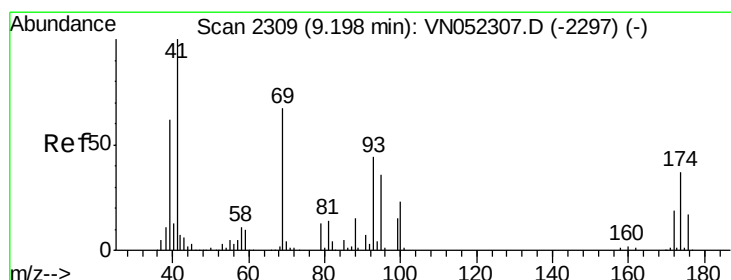


Abundance Ion 82.90 (82.60 to 83.60): VN052307.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN052307.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN052307.D (-2356) (-)

Time-->



#48

Methyl methacrylate

Concen: 4.557 ug/l

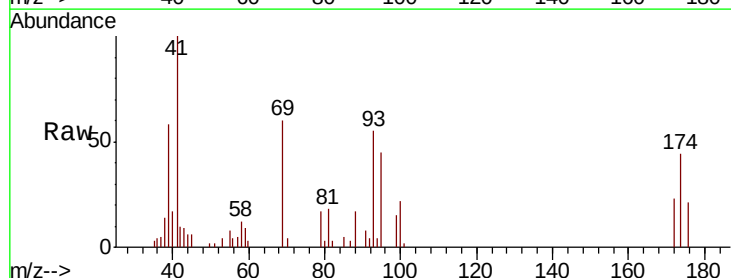
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Tgt Ion:	41	Resp:	14068
Ion	Ratio	Lower	Upper
41	100		
69	70.9	57.1	85.7
39	61.7	52.5	78.7

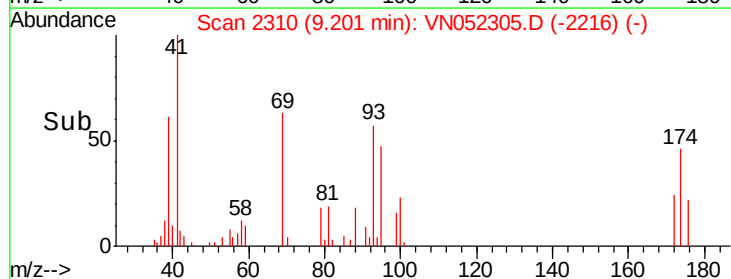


Abundance Ion 41.00 (40.70 to 41.70): VN052307.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN052307.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN052307.D (-2297) (-)

Time-->

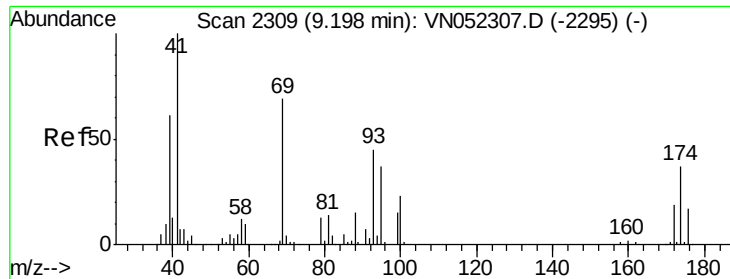


Abundance Ion 41.00 (40.70 to 41.70): VN052307.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN052307.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN052307.D (-2297) (-)

Time-->



#49

1,4-Dioxane

Concen: 107.401 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

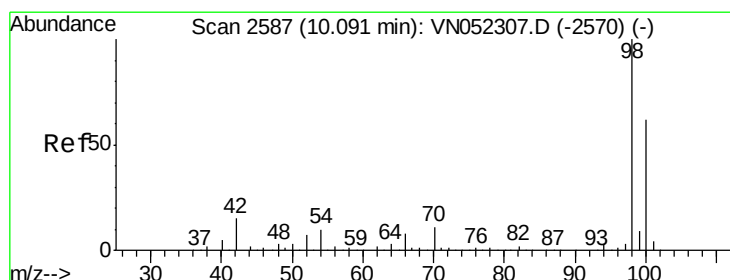
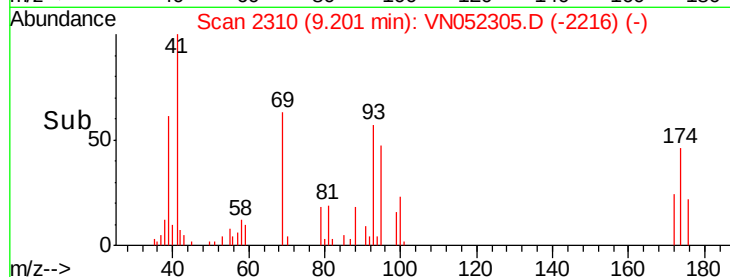
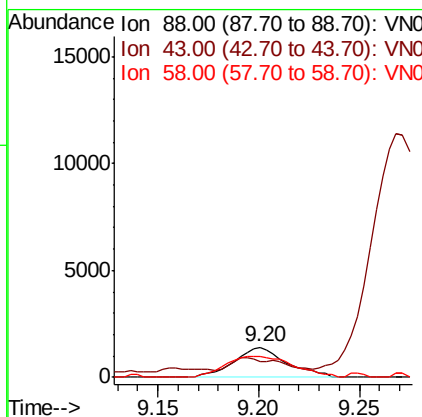
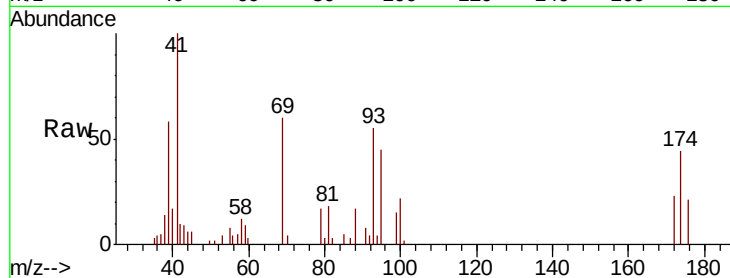
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	2545
Ion Ratio	Lower	Upper	
88	100		
43	36.1	33.3	49.9
58	91.4	59.2	88.8#

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#50

Toluene-d8

Concen: 107.401 ug/l

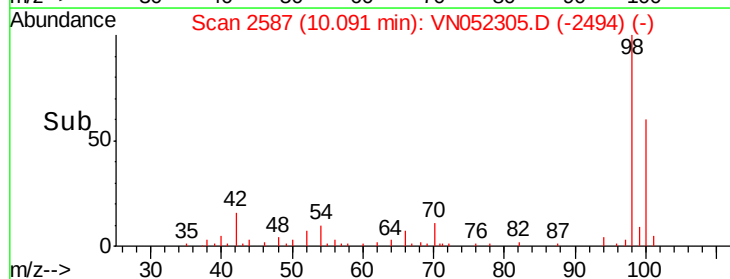
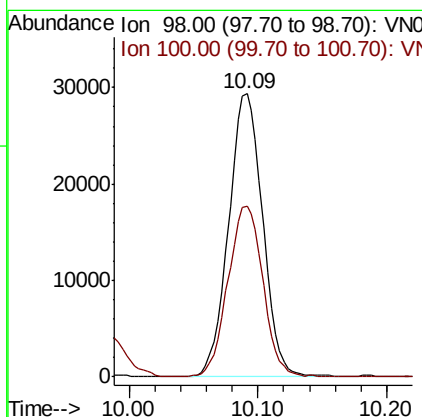
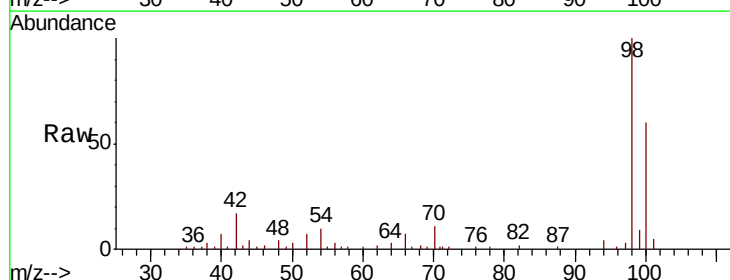
RT: 10.09 min Scan# 2587

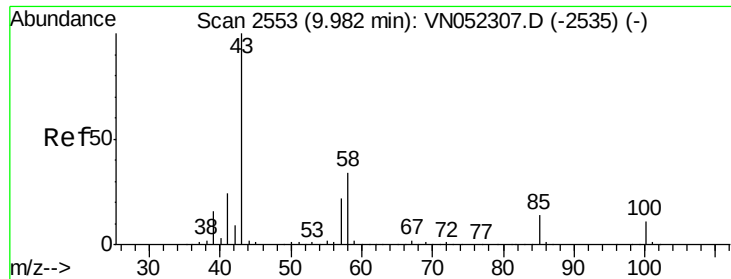
Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Tgt Ion:	98	Resp:	53807
Ion Ratio	Lower	Upper	
98	100		
100	61.8	49.5	74.3





#51

4-Methyl-2-Pentanone

Concen: 25.151 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 77019

Ion Ratio Lower Upper

43 100

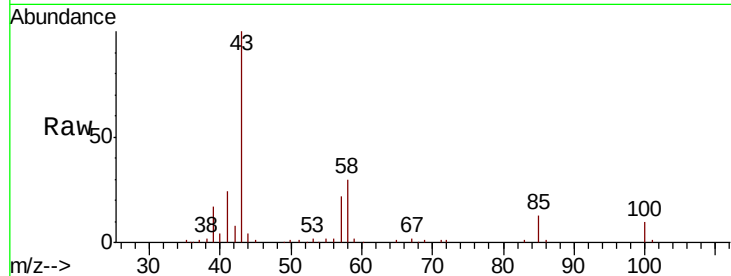
58 32.3 27.0 40.6

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Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

9.99

40000

30000

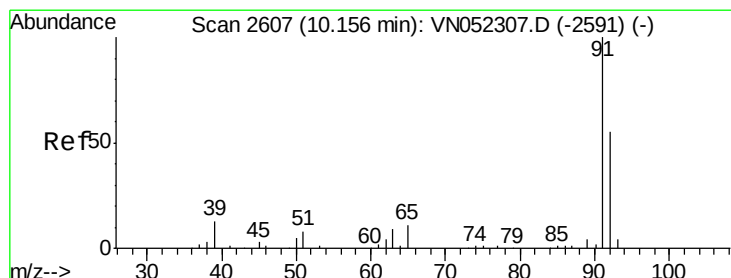
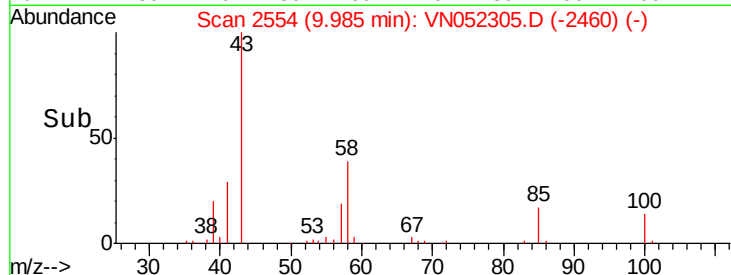
20000

10000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 5.023 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052305.D

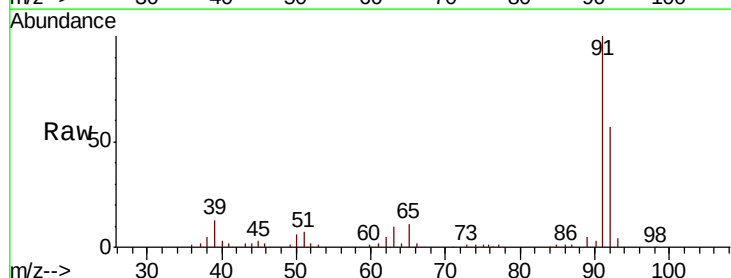
Acq: 14 Nov 2018 10:57

Tgt Ion: 92 Resp: 37290

Ion Ratio Lower Upper

92 100

91 178.8 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN052307.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052307.D (-2591) (-)

10.16

40000

30000

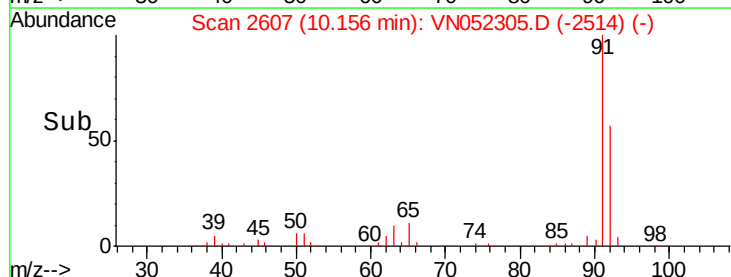
20000

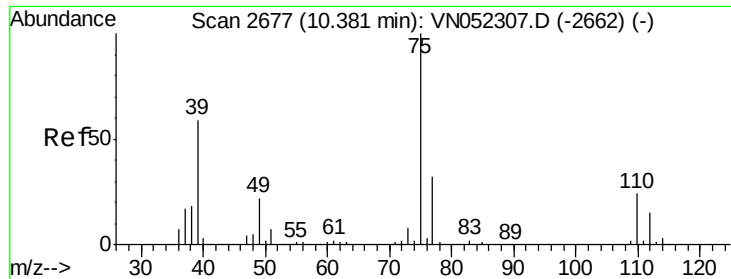
10000

0

10.10 10.15 10.20

Time-->





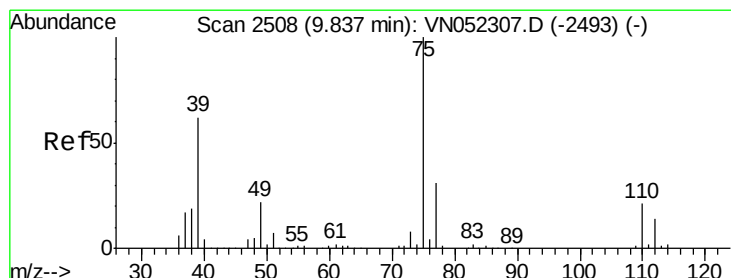
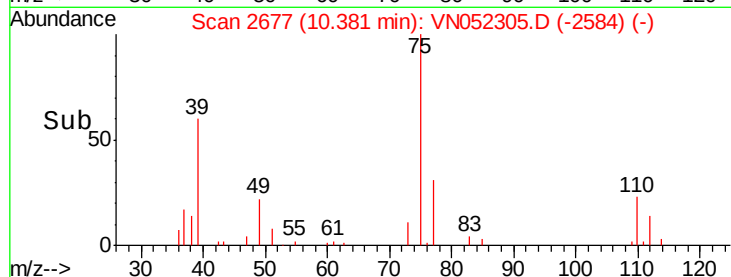
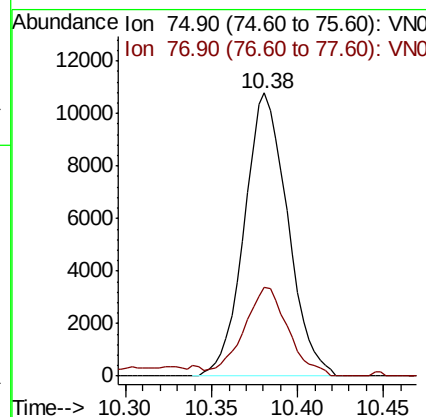
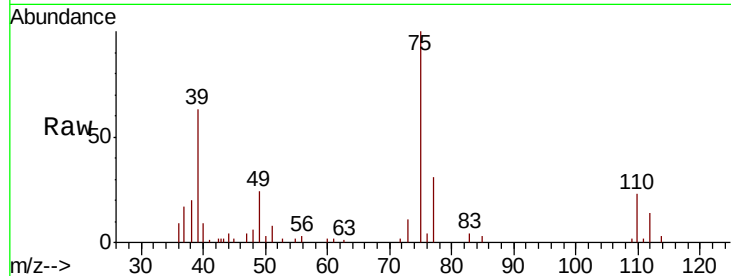
#53
 t-1,3-Dichloropropene
 Concen: 4.478 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 18897
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.7 38.5

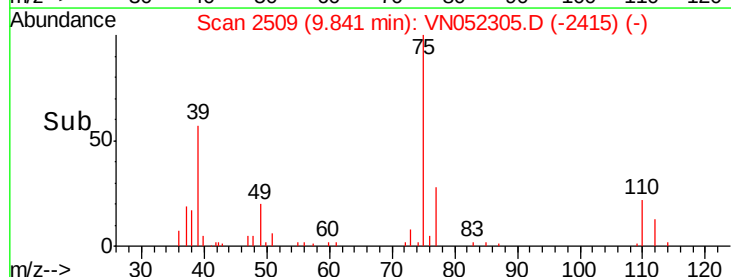
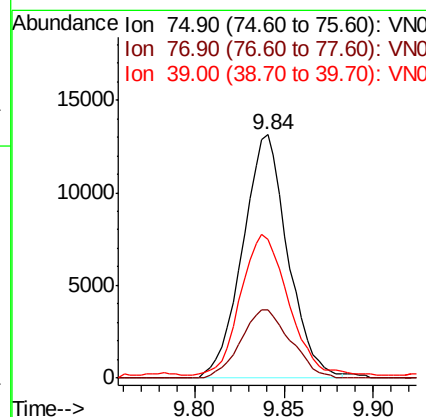
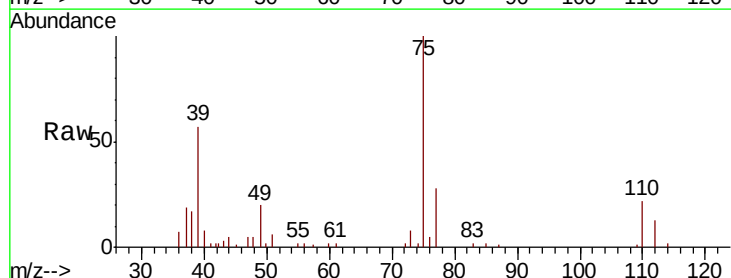
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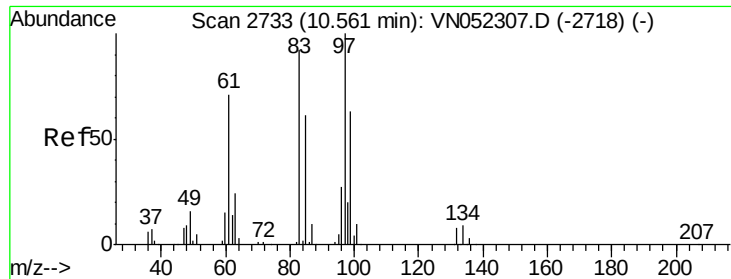
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#54
 cis-1,3-Dichloropropene
 Concen: 4.816 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion: 75 Resp: 23164
 Ion Ratio Lower Upper
 75 100
 77 28.0 24.6 36.8
 39 55.7 49.9 74.9





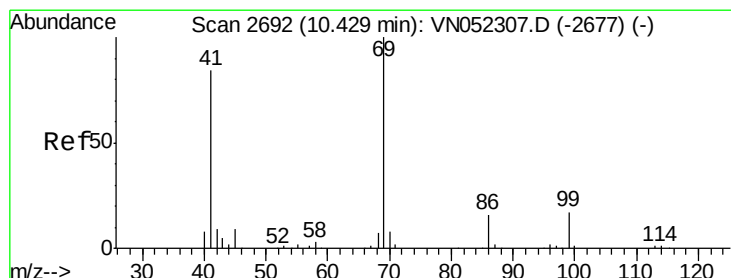
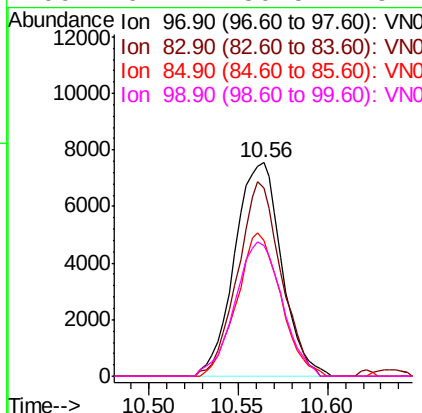
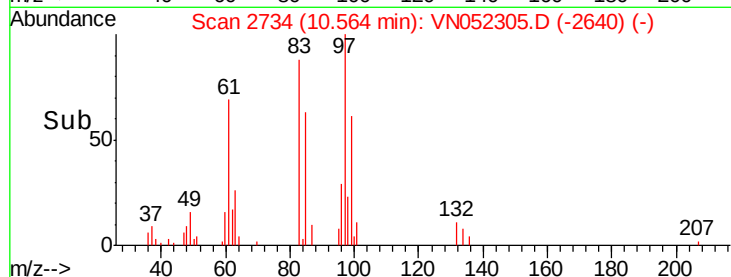
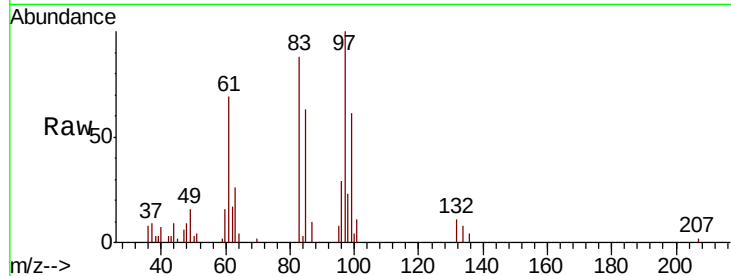
#55
 1,1,2-Trichloroethane
 Concen: 5.161 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	13889
Ion	Ratio	Lower	Upper
97	100		
83	88.3	73.8	110.6
85	63.3	49.0	73.4
99	61.2	50.5	75.7

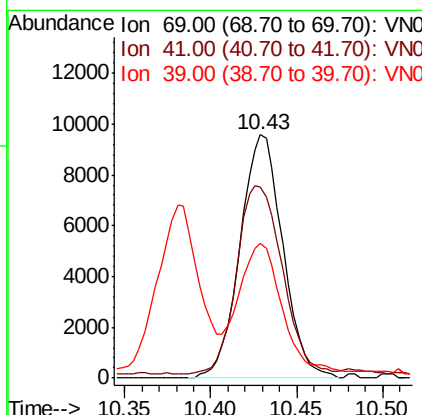
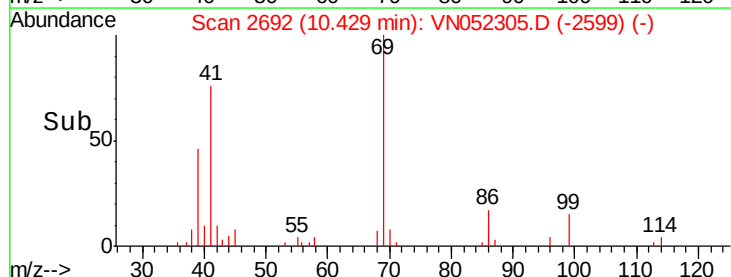
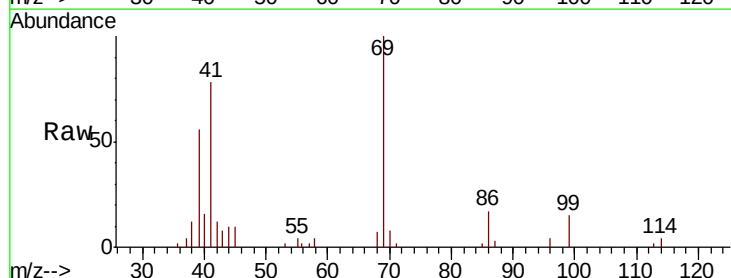
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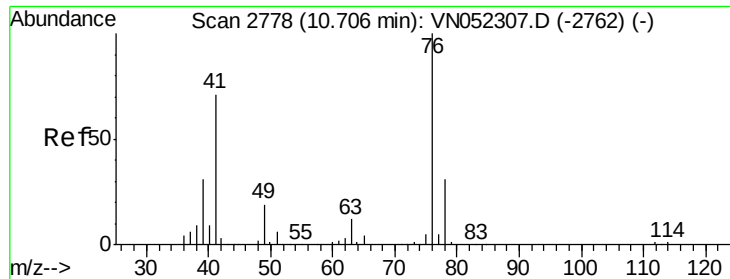
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 4.669 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion:	69	Resp:	16526
Ion	Ratio	Lower	Upper
69	100		
41	83.8	64.8	97.2
39	53.5	41.0	61.6





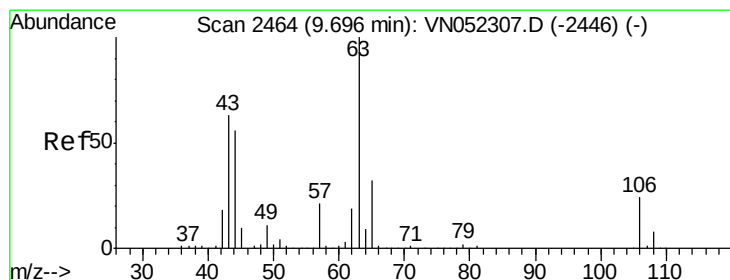
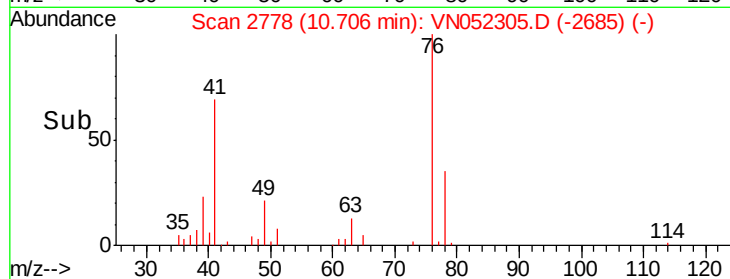
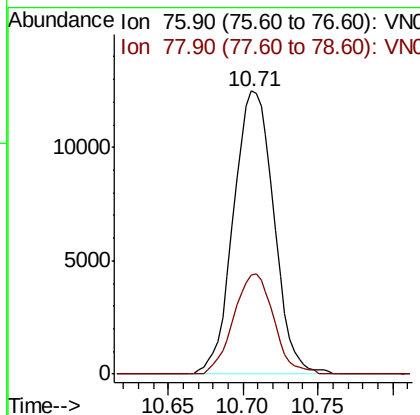
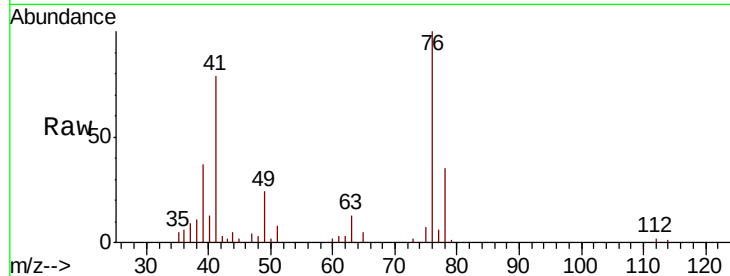
#57
 1,3-Dichloropropane
 Concen: 4.917 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 23437
 Ion Ratio Lower Upper
 76 100
 78 35.1 25.7 38.5

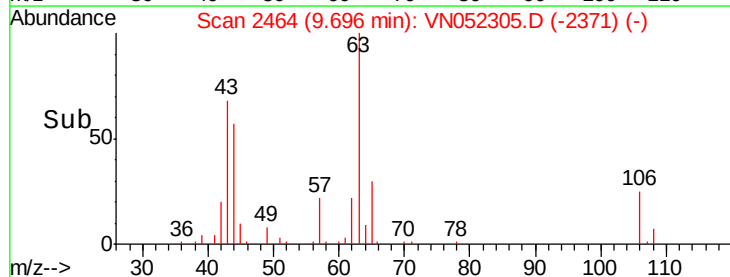
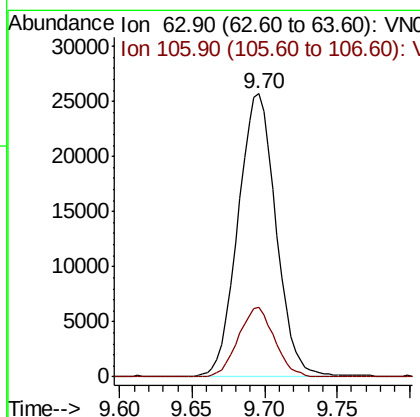
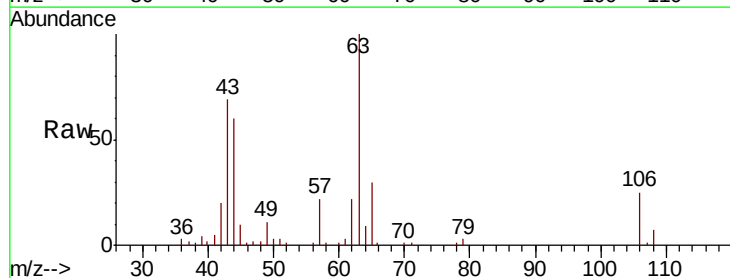
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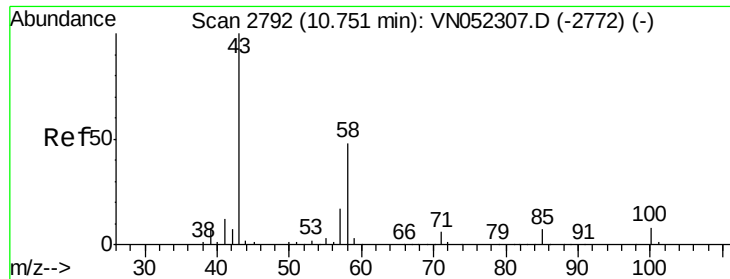
MMDadoda
 11/20/2018 2:58:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.244 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion: 63 Resp: 46836
 Ion Ratio Lower Upper
 63 100
 106 23.4 19.3 28.9





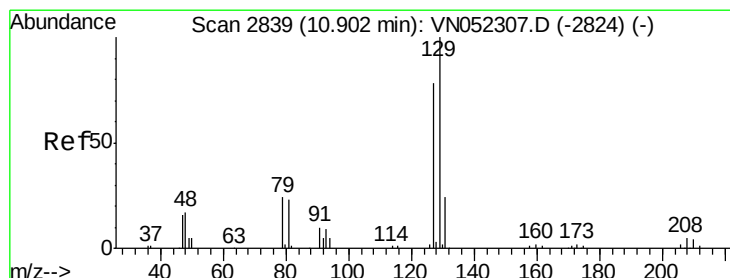
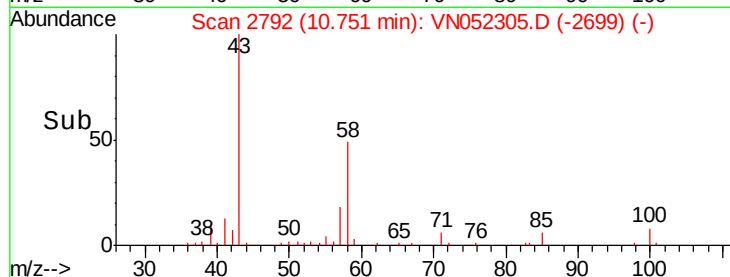
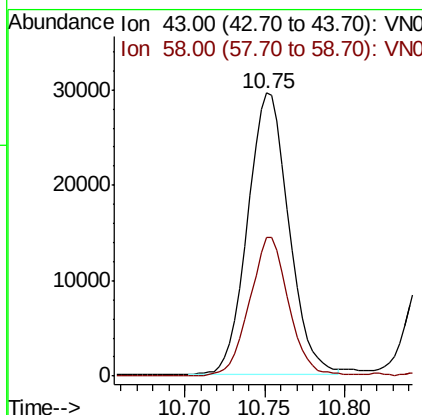
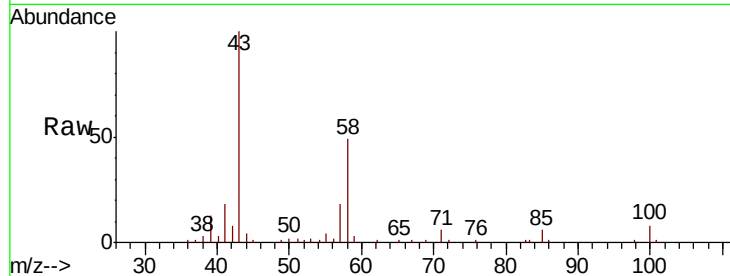
#59
2-Hexanone
Concen: 24.722 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 52071
Ion Ratio Lower Upper
43 100
58 47.2 23.5 70.6

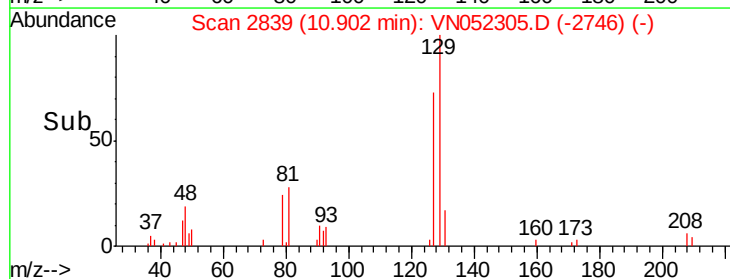
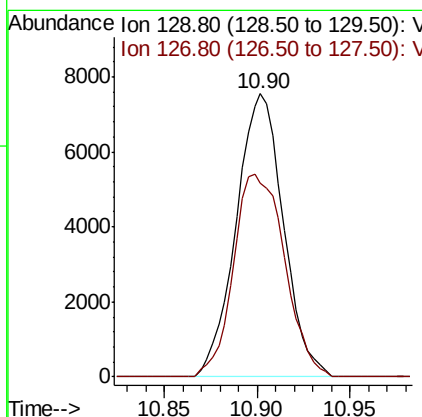
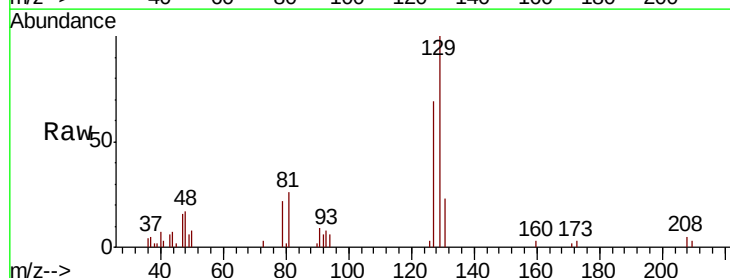
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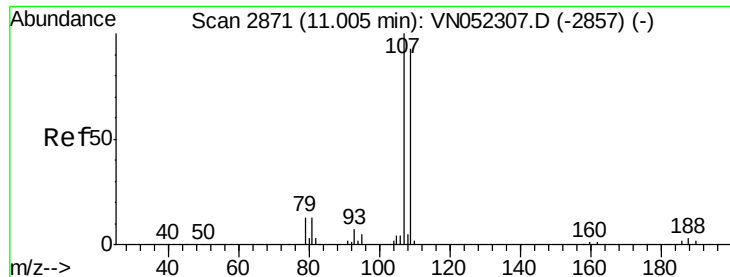
MMDadoda
11/20/2018 2:58:09 PM



#60
Dibromochloromethane
Concen: 4.588 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion: 129 Resp: 13358
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





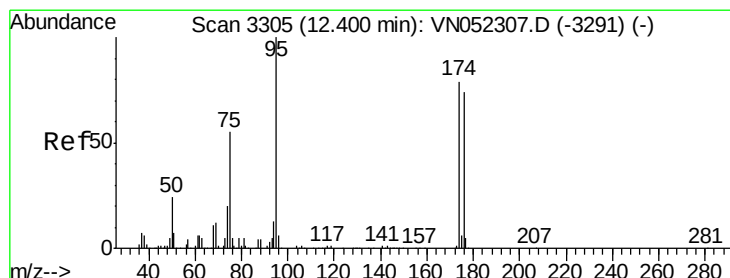
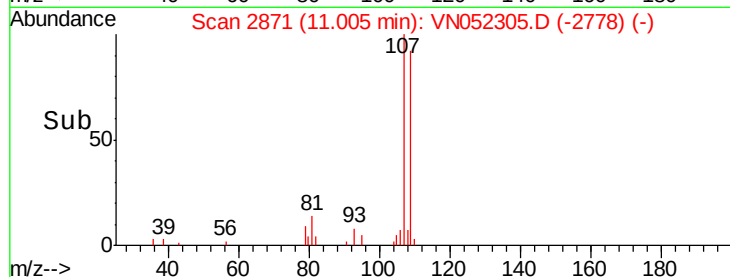
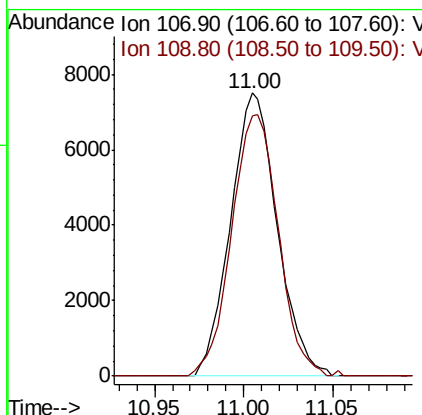
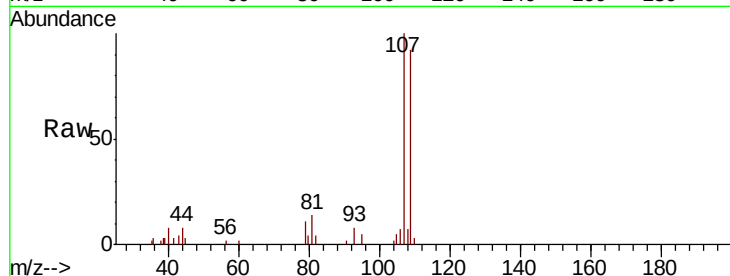
#61
 1,2-Dibromoethane
 Concen: 5.113 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 13706
 Ion Ratio Lower Upper
 107 100
 109 92.5 74.9 112.3

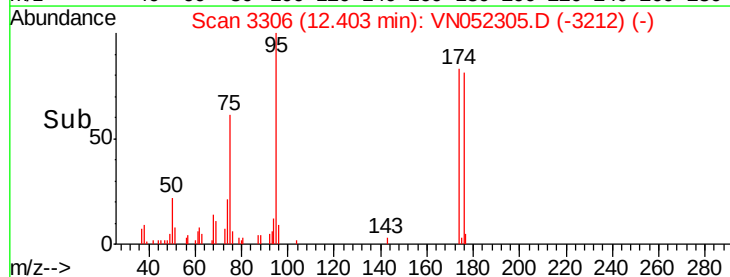
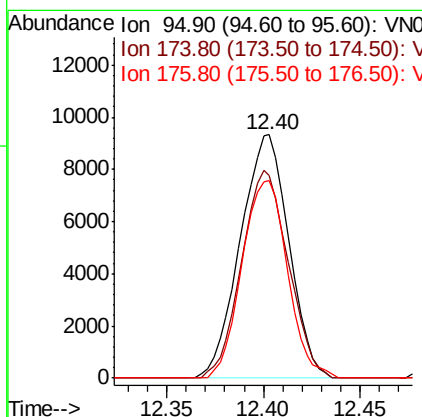
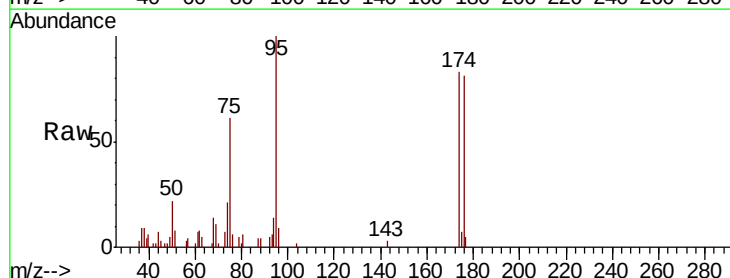
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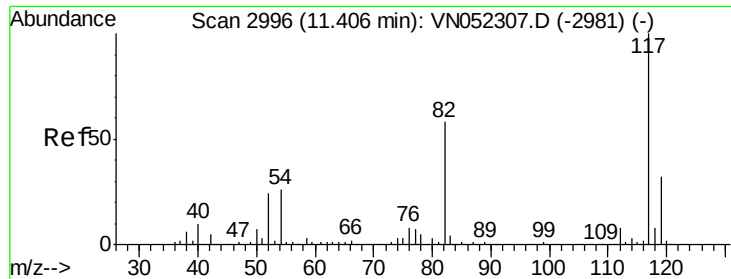
MMDadoda
 11/20/2018 2:58:09 PM



#62
 4-Bromofluorobenzene
 Concen: 5.113 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion: 95 Resp: 16247
 Ion Ratio Lower Upper
 95 100
 174 82.4 0.0 156.0
 176 76.1 0.0 148.4





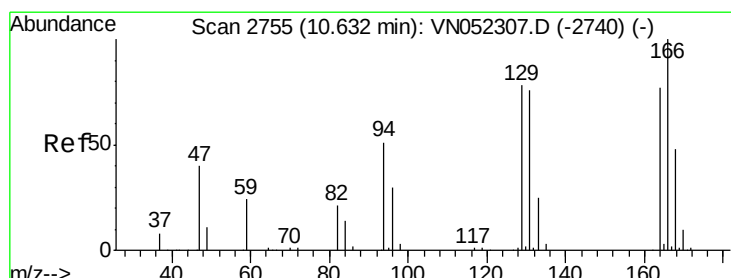
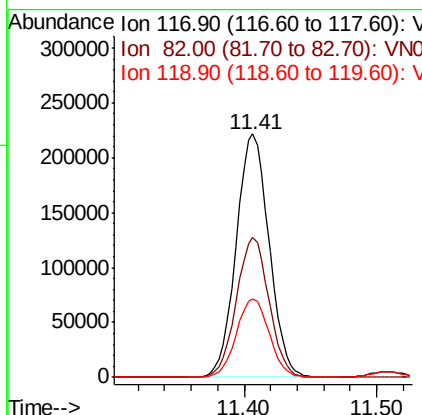
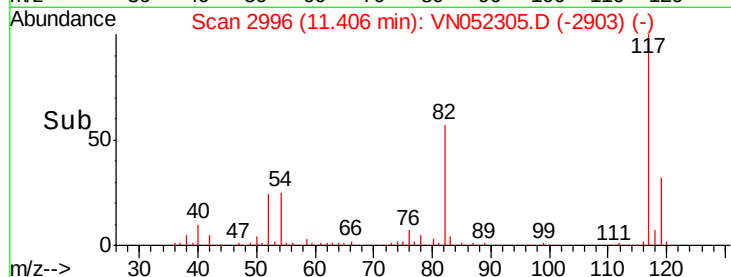
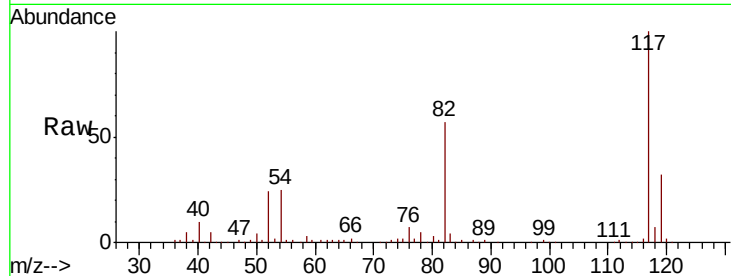
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.5	69.7
119	32.3	25.7	38.5

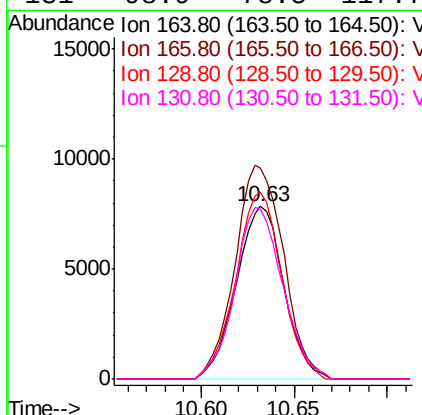
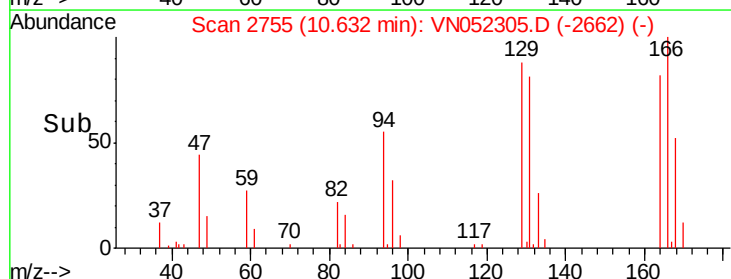
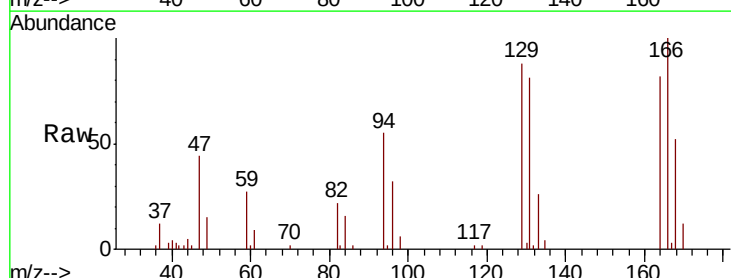
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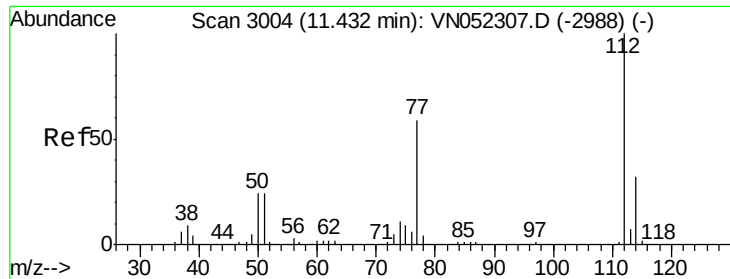
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#64
Tetrachloroethene
Concen: 5.144 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	103.8	155.6
129	108.3	80.7	121.1
131	98.9	78.5	117.7





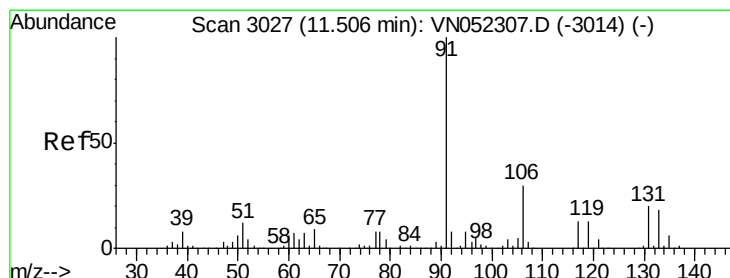
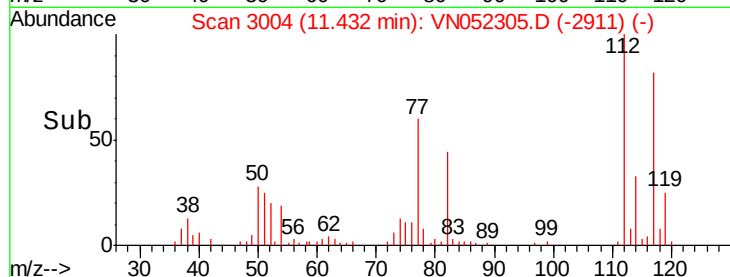
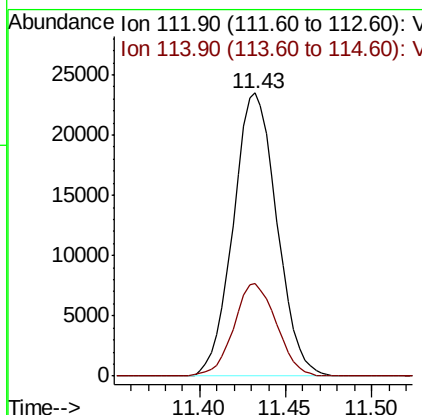
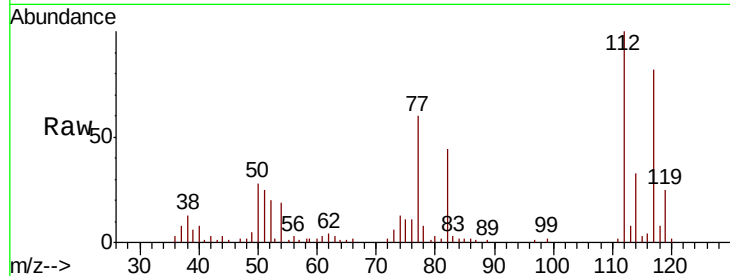
#65
Chlorobenzene
Concen: 5.107 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 41311
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9

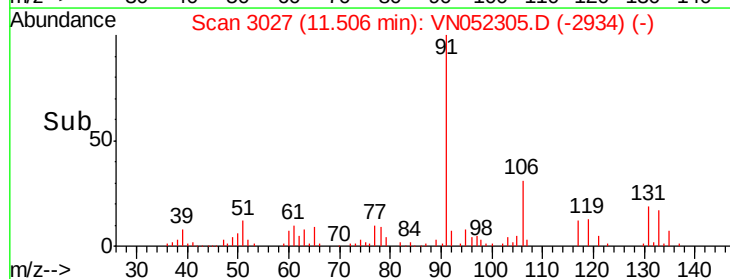
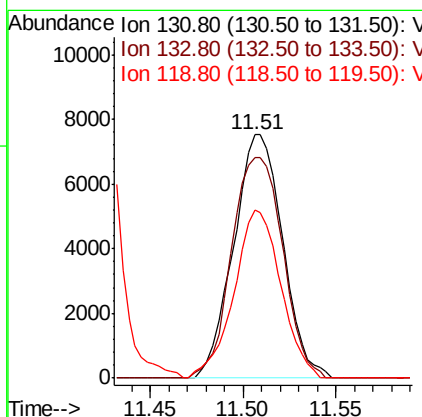
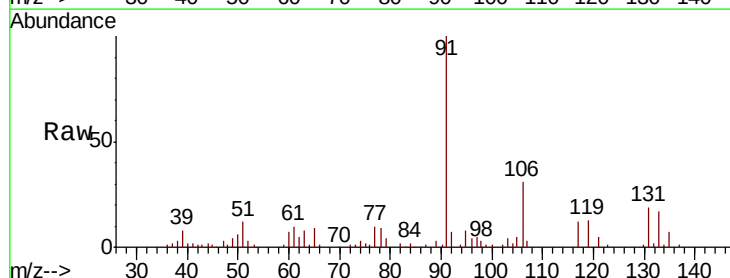
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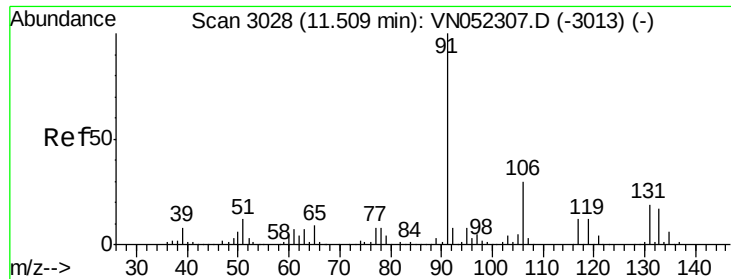
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.029 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion:131 Resp: 13873
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.3
119 65.7 33.3 99.9





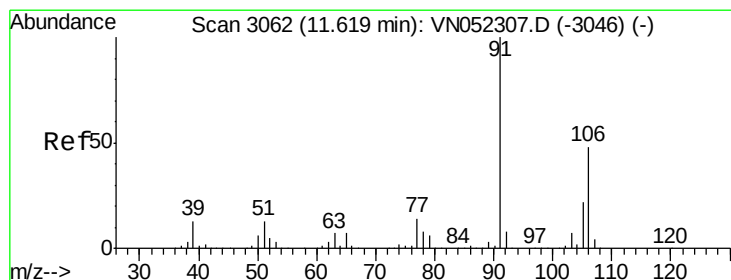
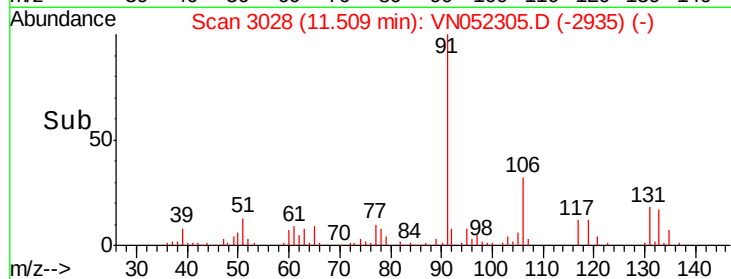
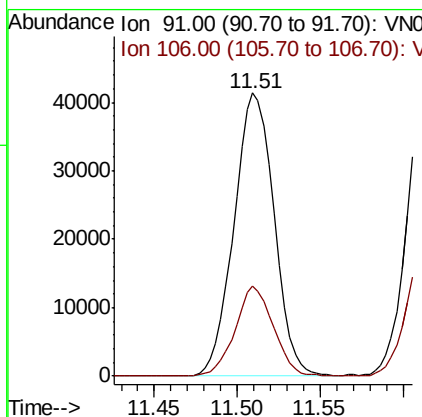
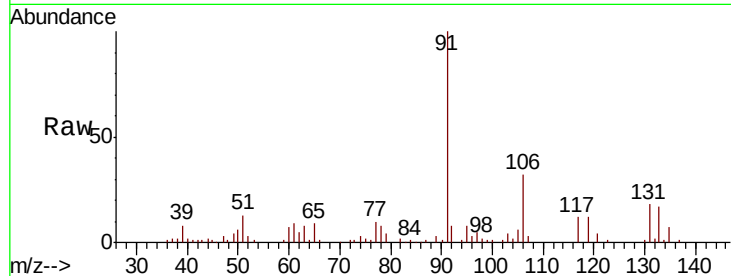
#67
Ethyl Benzene
Concen: 4.960 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 69642
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.2

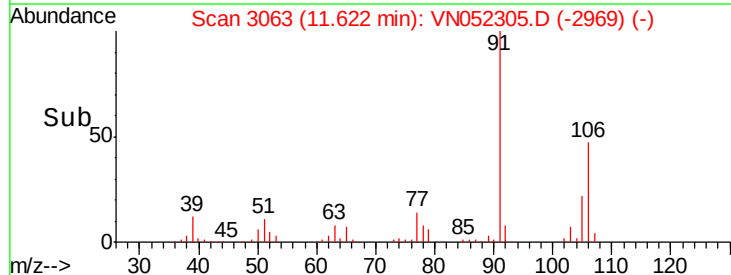
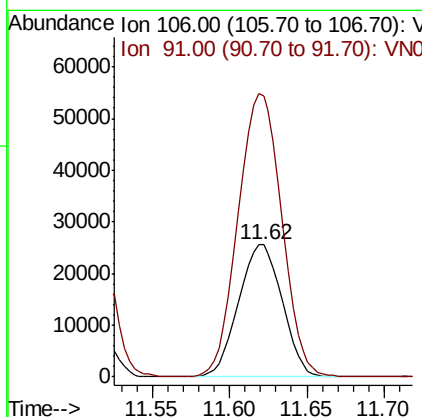
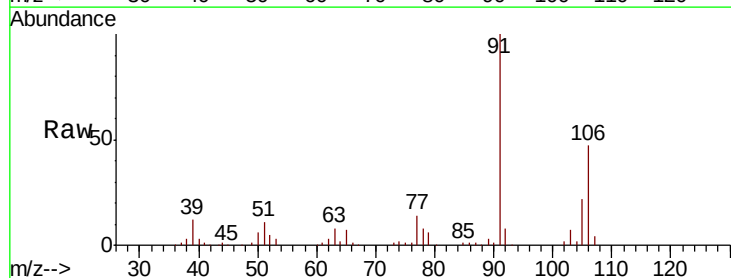
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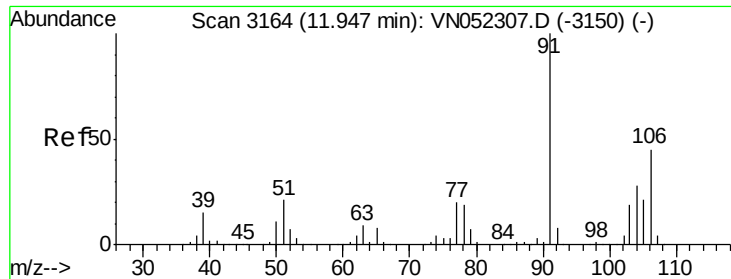
MMDadoda
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#68
m/p-Xylenes
Concen: 9.774 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion: 106 Resp: 50137
Ion Ratio Lower Upper
106 100
91 214.9 165.5 248.3





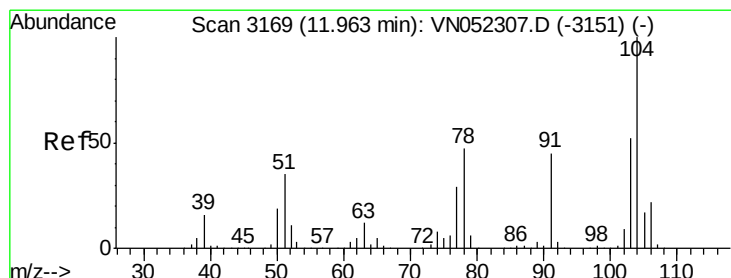
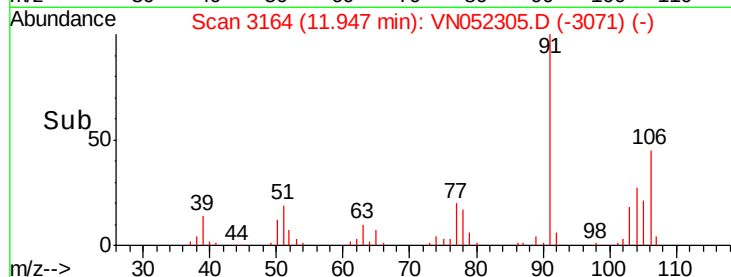
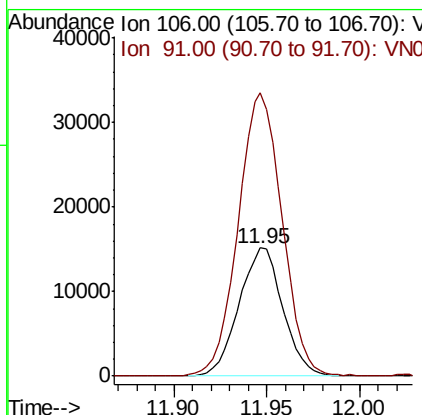
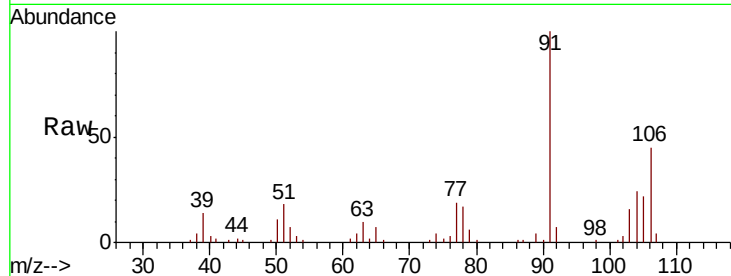
#69
o-Xylene
Concen: 5.046 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 24812
Ion Ratio Lower Upper
106 100
91 221.1 110.0 330.0

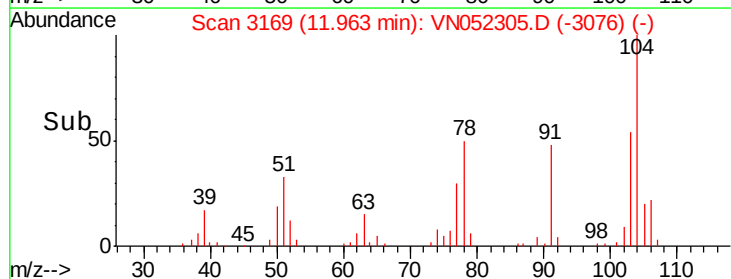
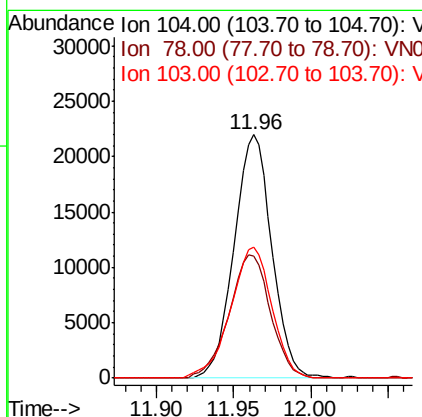
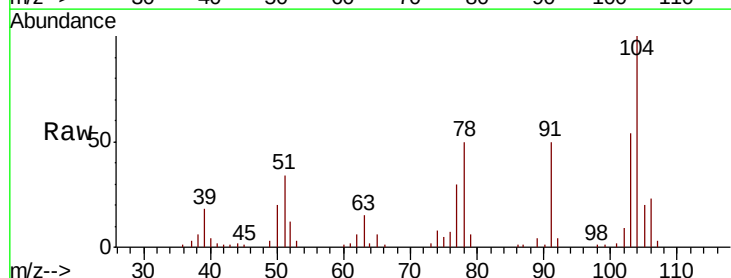
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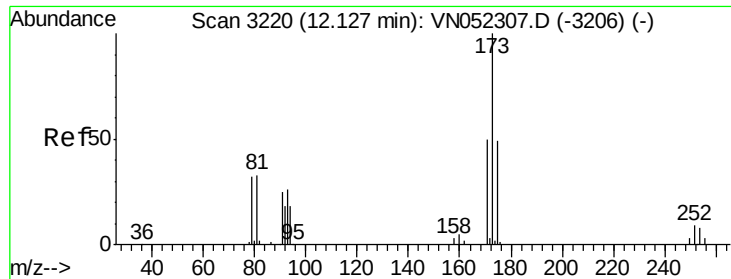
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#70
Styrene
Concen: 4.724 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052305.D
Acq: 14 Nov 2018 10:57

Tgt Ion:104 Resp: 37194
Ion Ratio Lower Upper
104 100
78 55.4 42.7 64.1
103 58.9 45.4 68.0





#71

Bromoform

Concen: 4.662 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7593

Ion Ratio Lower Upper

173 100

175 44.7 25.0 75.0

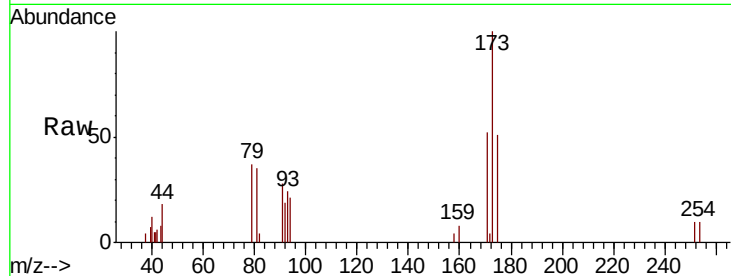
254 0.0 0.0 0.0

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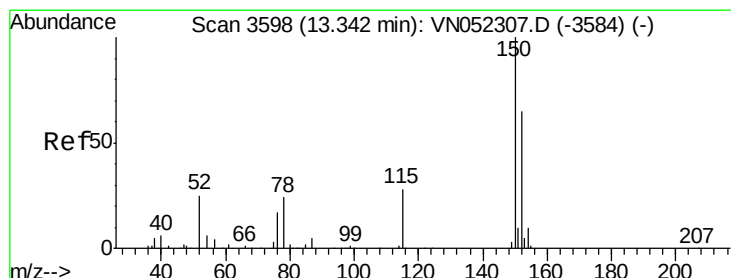
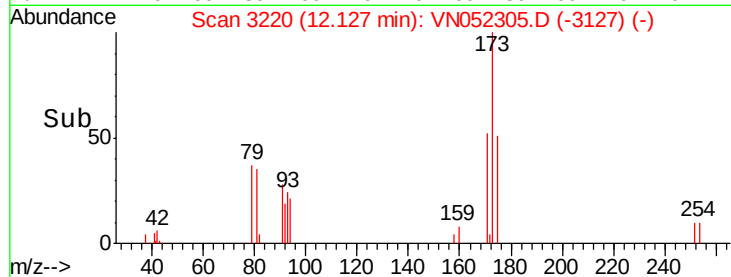
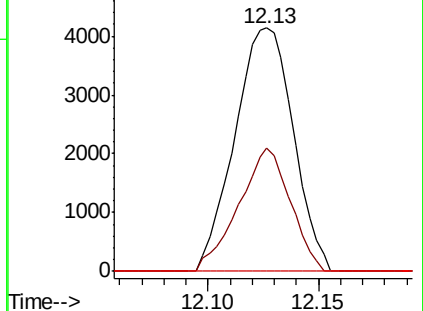
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN052305.D

Acq: 14 Nov 2018 10:57

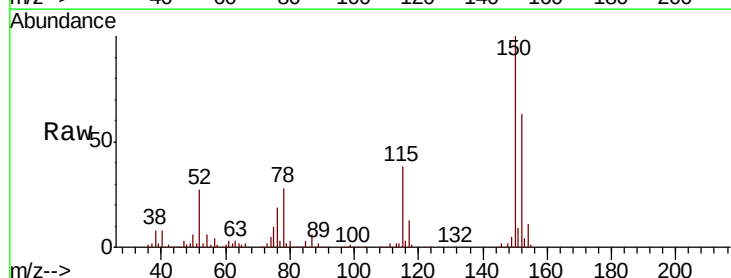
Tgt Ion:152 Resp: 153740

Ion Ratio Lower Upper

152 100

115 62.0 30.3 91.0

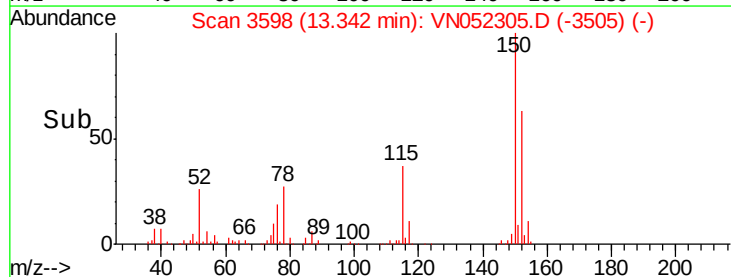
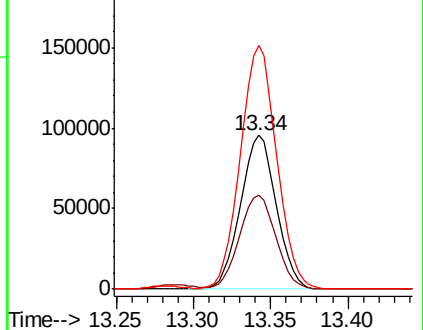
150 160.6 0.0 348.2

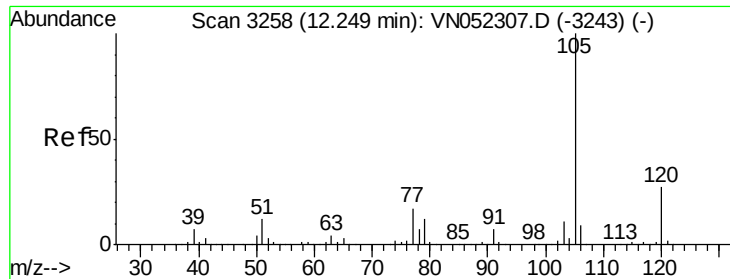


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.309 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 65620

Ion Ratio Lower Upper

105 100

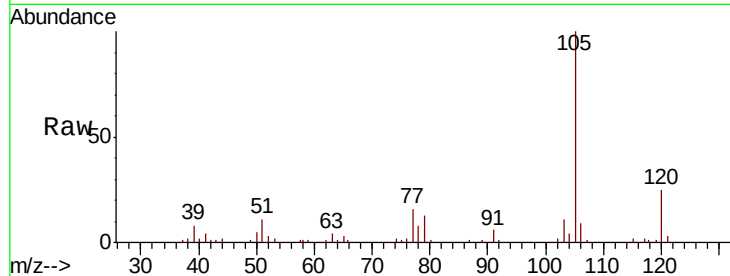
120 26.5 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

40000

30000

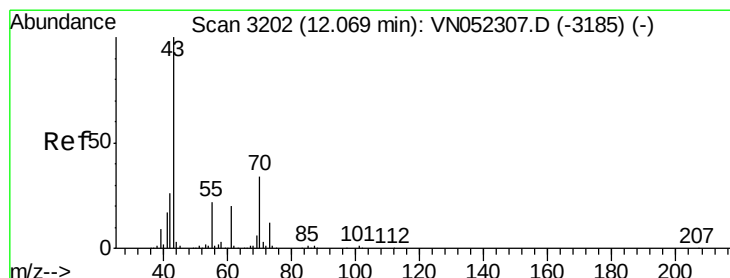
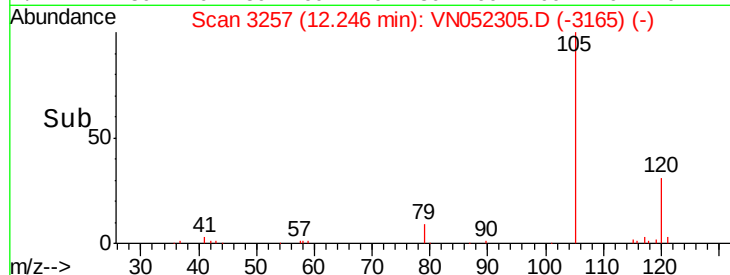
20000

10000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 5.064 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Tgt Ion: 43 Resp: 22294

Ion Ratio Lower Upper

43 100

70 33.6 27.1 40.7

55 23.5 17.4 26.0

61 21.1 16.1 24.1

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

20000

15000

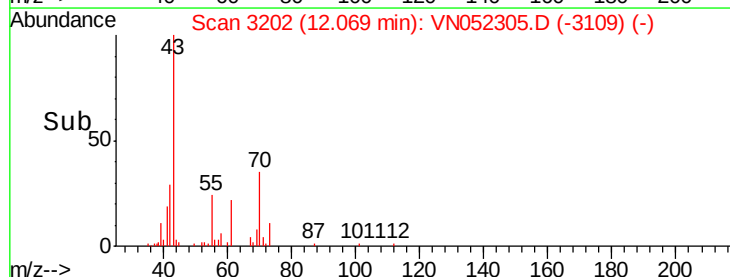
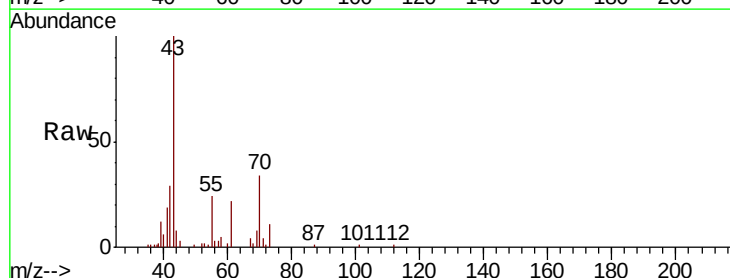
10000

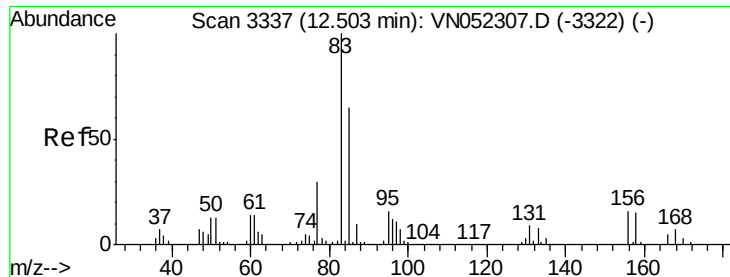
5000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 5.866 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

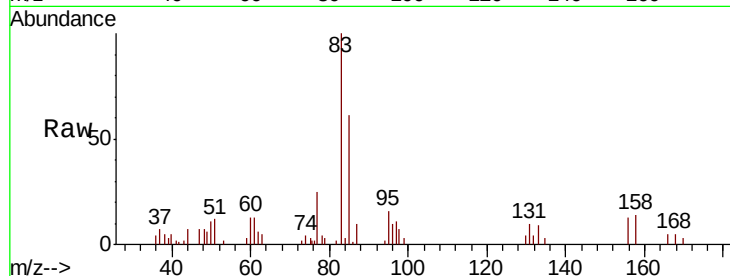
ClientSampleId :

VSTDIC005

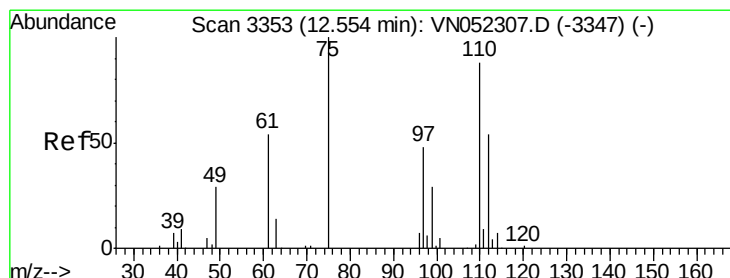
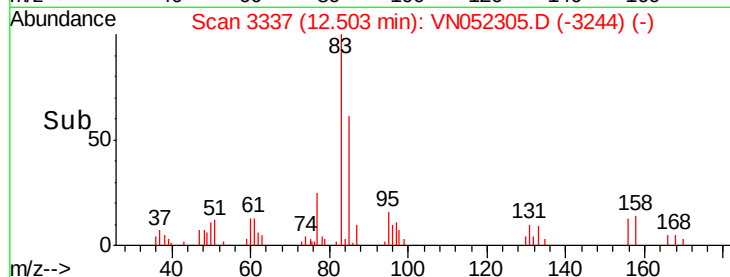
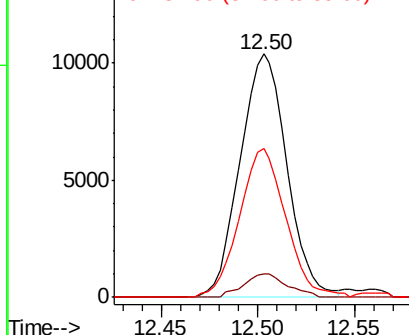
Tot Ion:	83	Resp:	17529
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.7	14.1
85	60.5	32.4	97.2

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



#76

1,2,3-Trichloropropane

Concen: 6.068 ug/l m

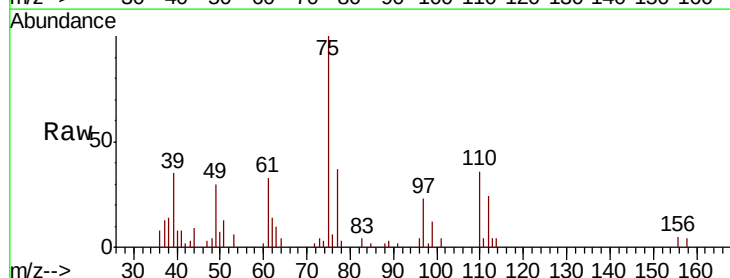
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

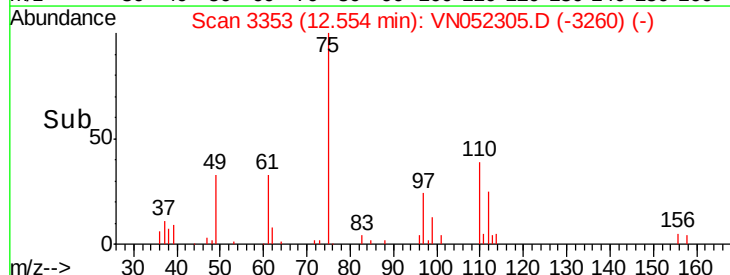
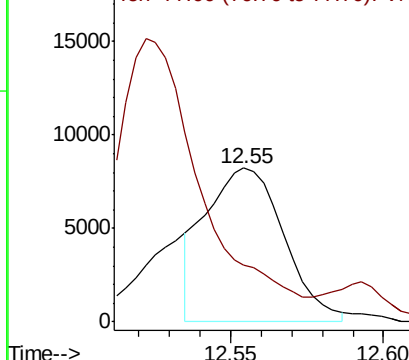
Lab File: VN052305.D

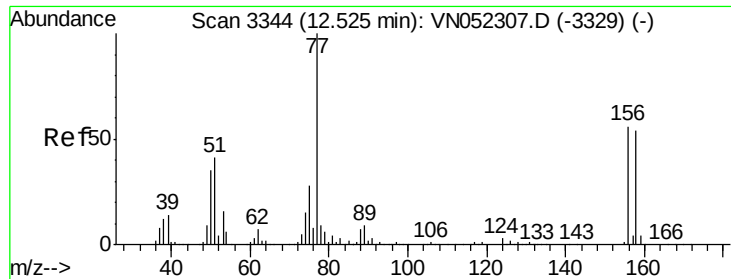
Acq: 14 Nov 2018 10:57

Tgt Ion:	75	Resp:	14668
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 5.362 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

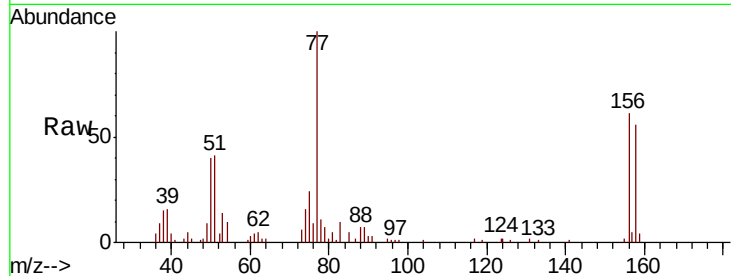
ClientSampleId :

VSTDIC005

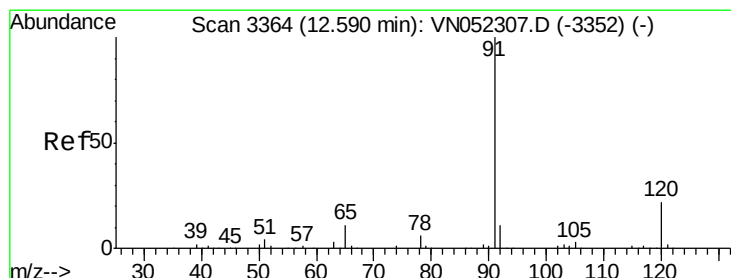
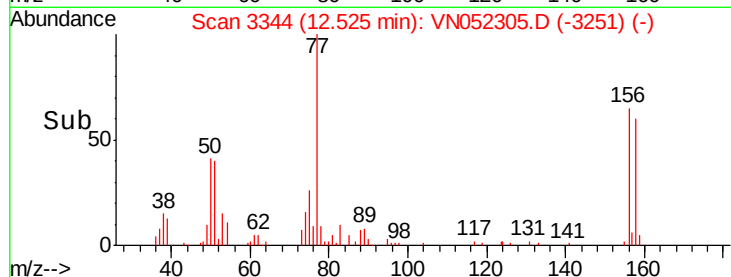
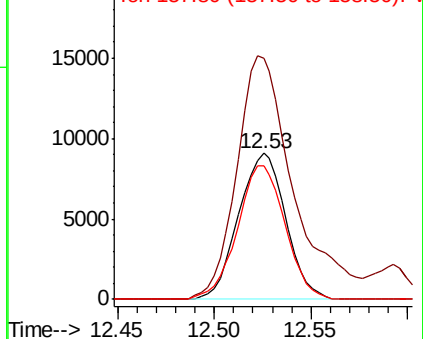
Tot Ion:156 Resp: 15420
 Ion Ratio Lower Upper
 156 100
 77 200.9 103.6 310.9
 158 92.5 48.1 144.4

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Abundance Ion 155.80 (155.50 to 156.50): V
 Ion 77.00 (76.70 to 77.70): VN
 Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.203 ug/l

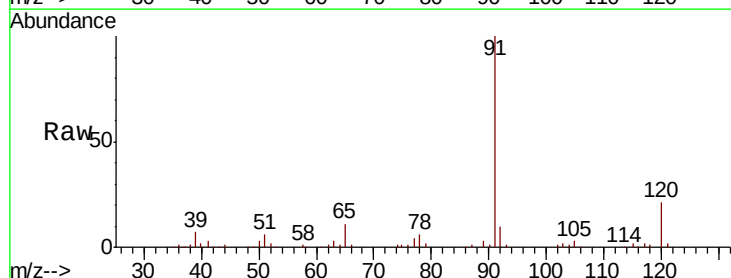
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

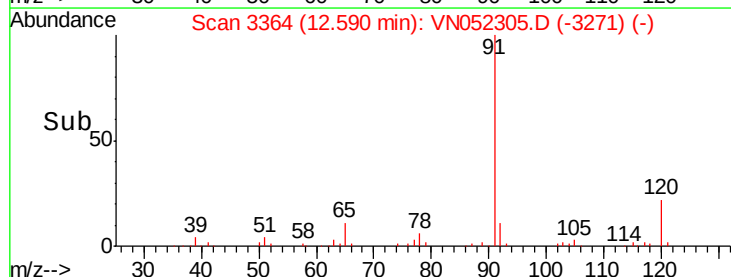
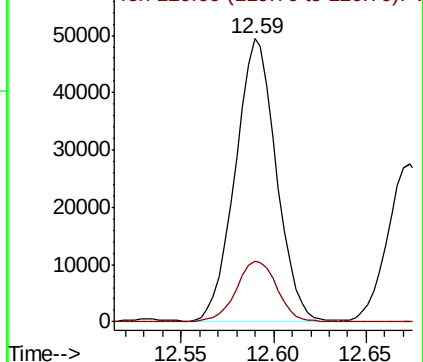
Lab File: VN052305.D

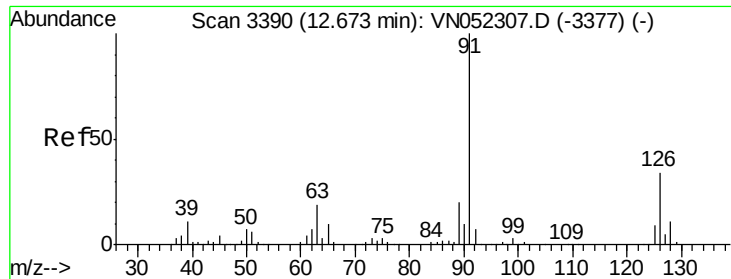
Acq: 14 Nov 2018 10:57

Tgt Ion: 91 Resp: 75213
 Ion Ratio Lower Upper
 91 100
 120 21.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN
 Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.366 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 45314

Ion Ratio Lower Upper

91 100

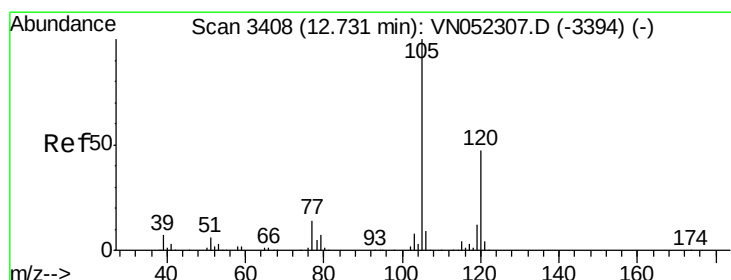
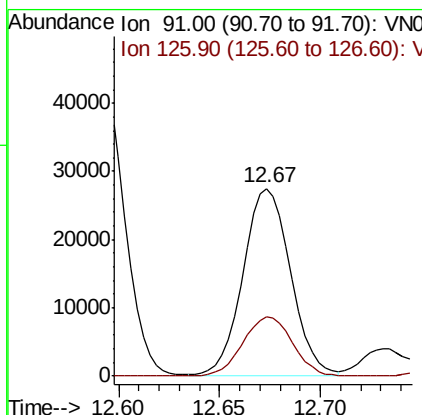
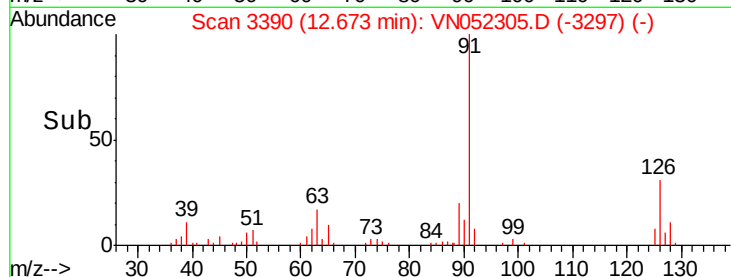
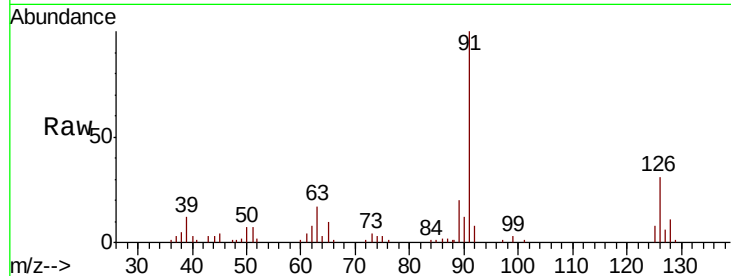
126 33.1 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 5.236 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052305.D

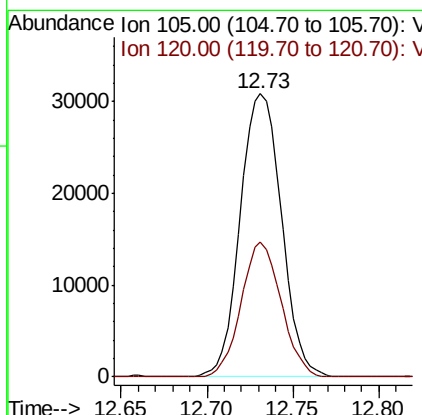
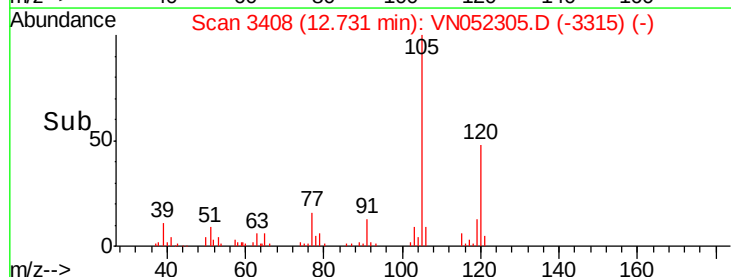
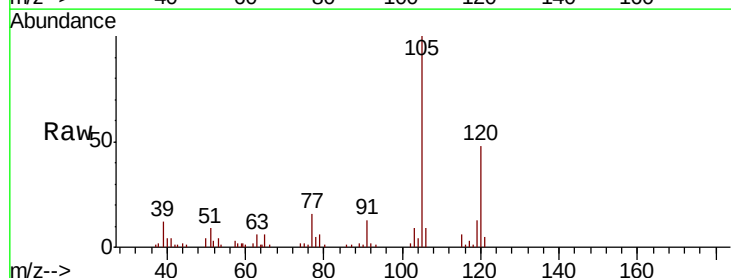
Acq: 14 Nov 2018 10:57

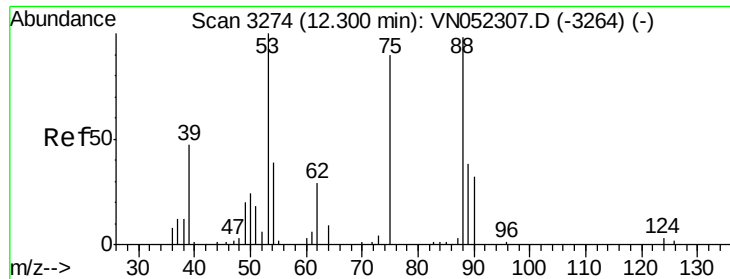
Tgt Ion: 105 Resp: 51469

Ion Ratio Lower Upper

105 100

120 46.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 4.923 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

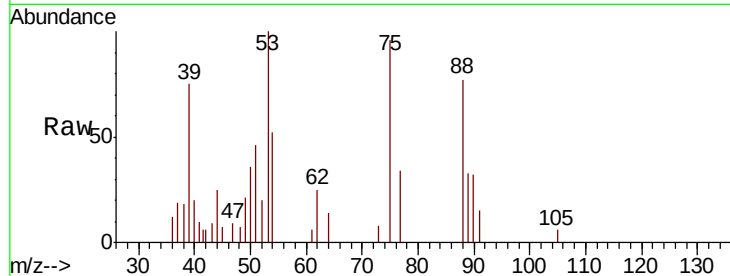
ClientSampleId :

VSTDIC005

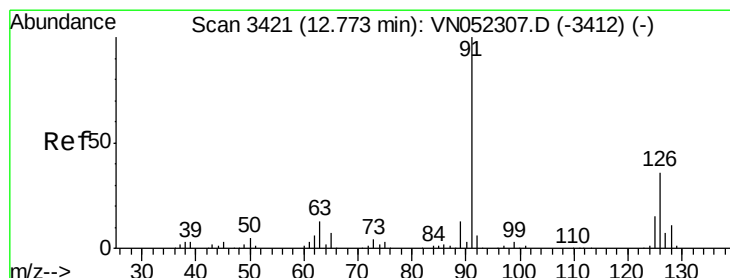
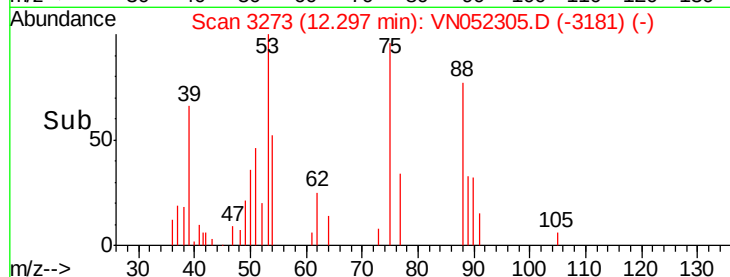
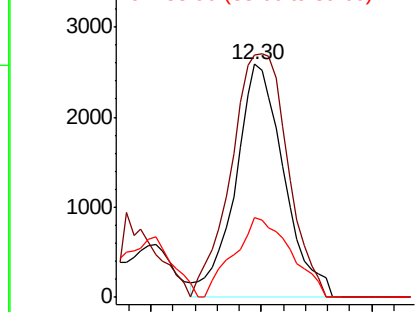
Tot Ion:	75	Resp:	3960
Ion	Ratio	Lower	Upper
75	100		
53	121.8	90.2	135.2
89	39.8	35.4	53.0

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Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.136 ug/l

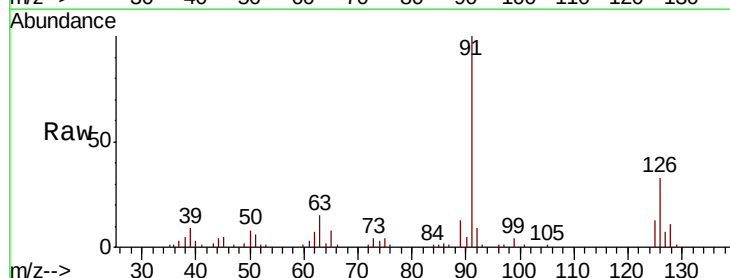
RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

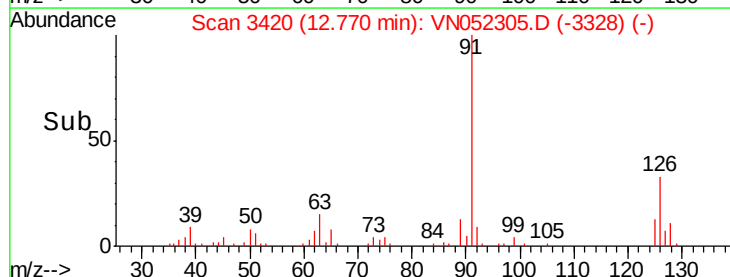
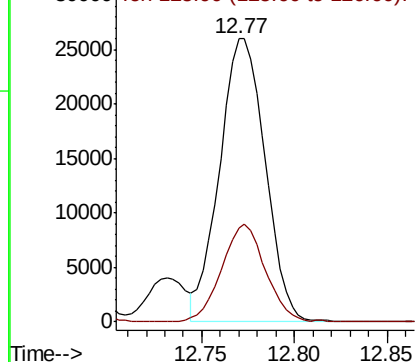
Lab File: VN052305.D

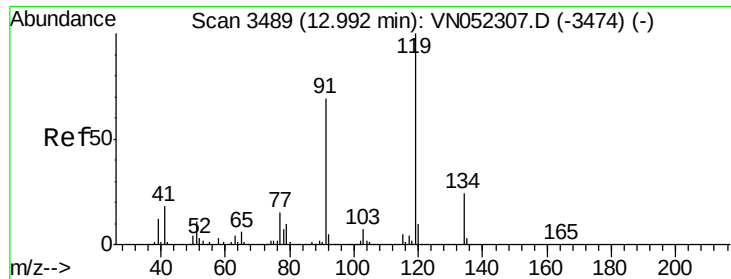
Acq: 14 Nov 2018 10:57

Tgt Ion:	91	Resp:	44433
Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.0	50.9



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





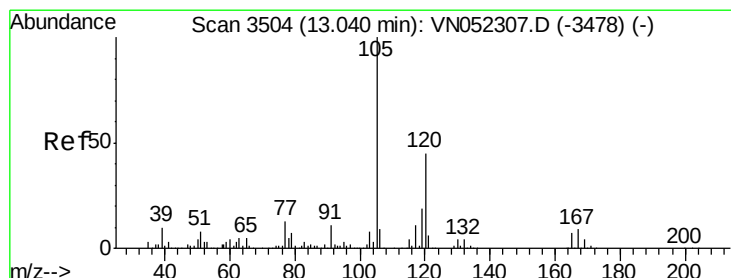
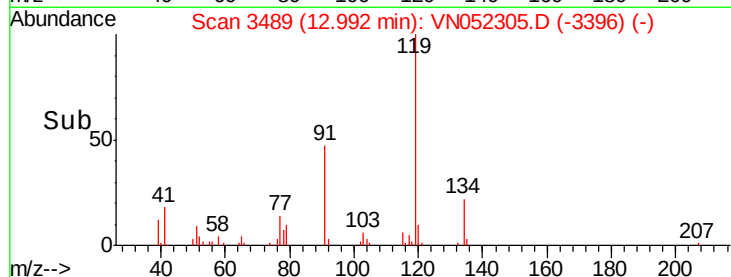
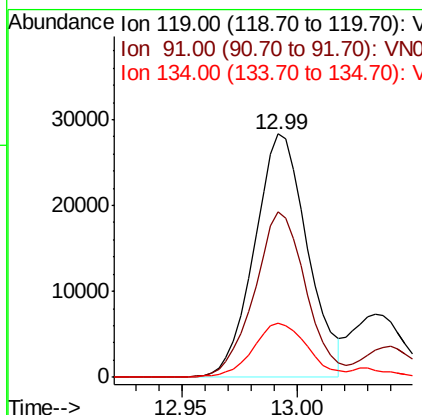
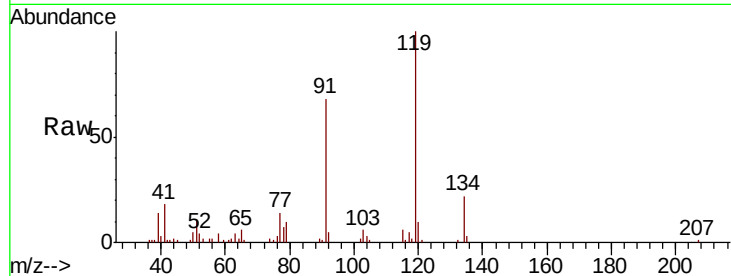
#83
 tert-Butylbenzene
 Concen: 5.196 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	33.8	101.3
134	23.0	11.9	35.9

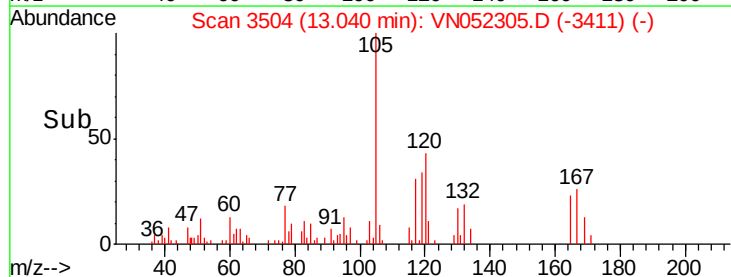
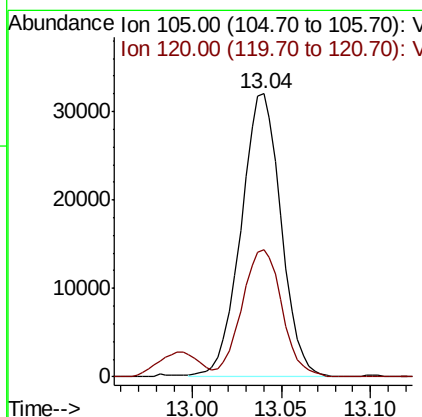
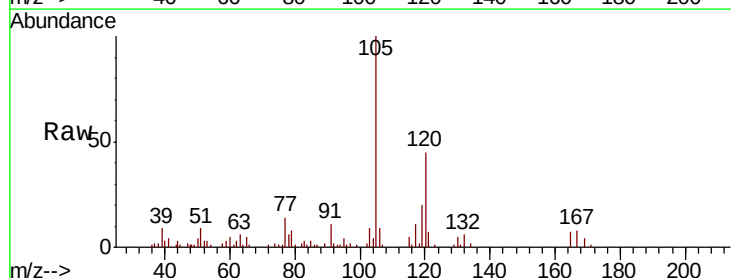
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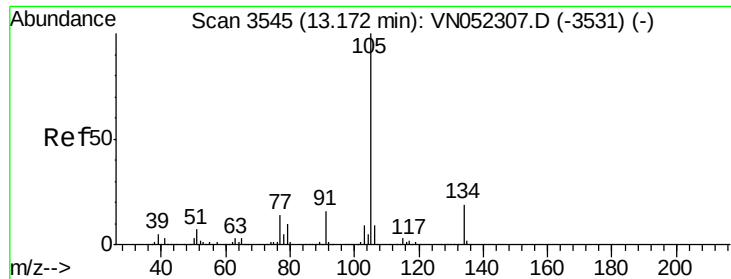
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.080 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.5	67.5





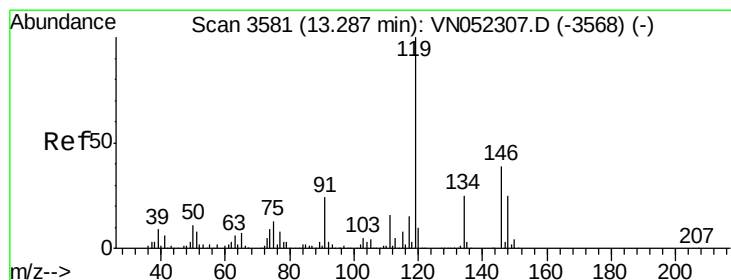
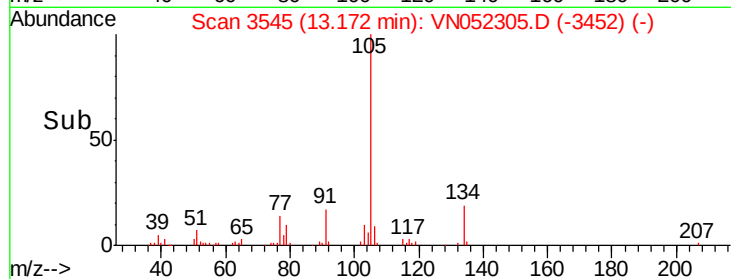
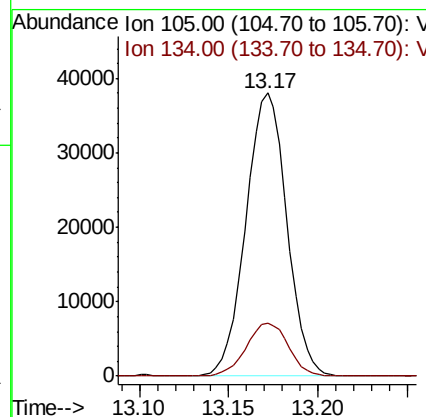
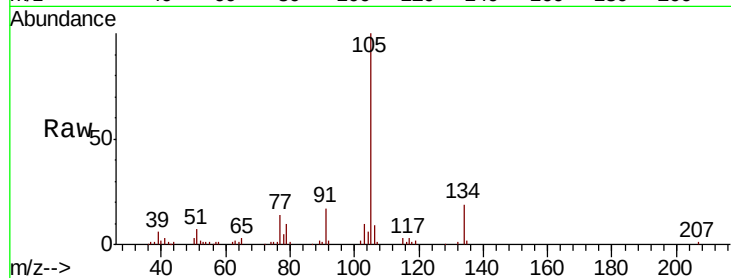
#85
 sec-Butylbenzene
 Concen: 5.153 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.5	28.5

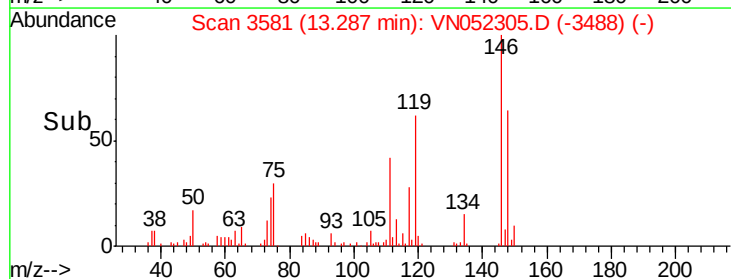
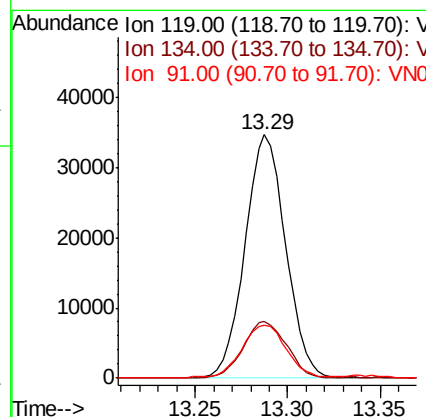
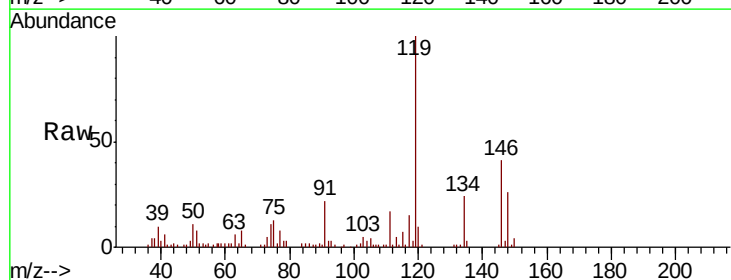
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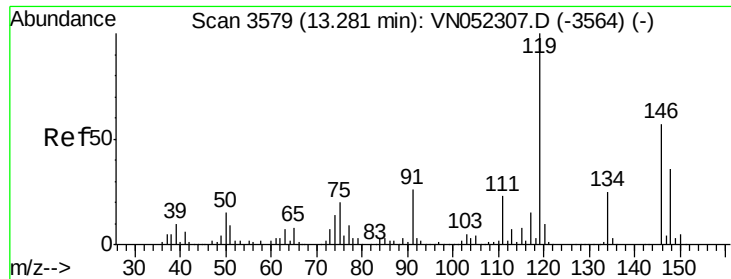
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#86
 p-Isopropyltoluene
 Concen: 5.263 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	13.0	38.9
91	24.3	12.4	37.0





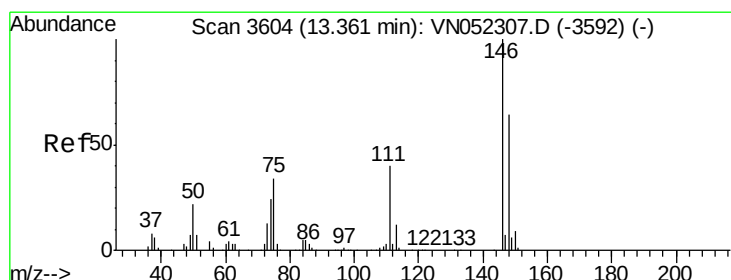
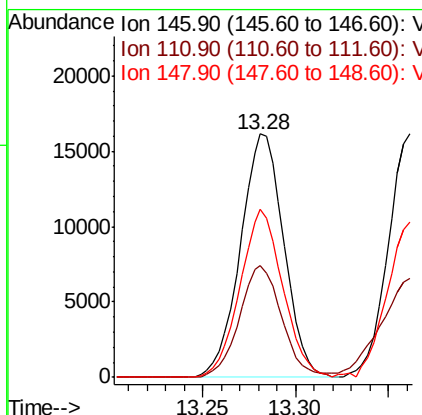
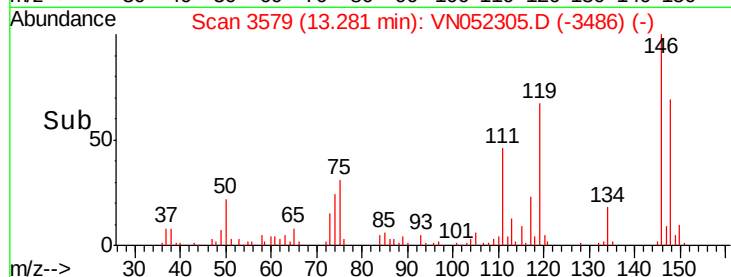
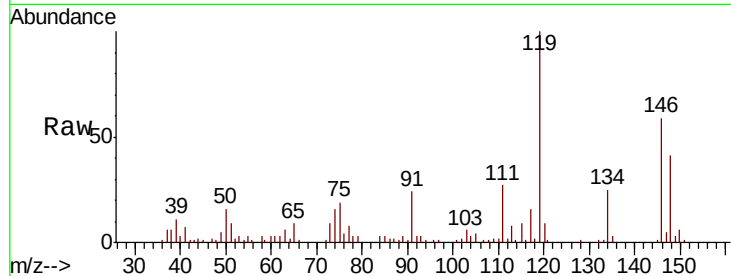
#87
 1,3-Dichlorobenzene
 Concen: 5.108 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.3	61.0
148	68.3	31.8	95.4

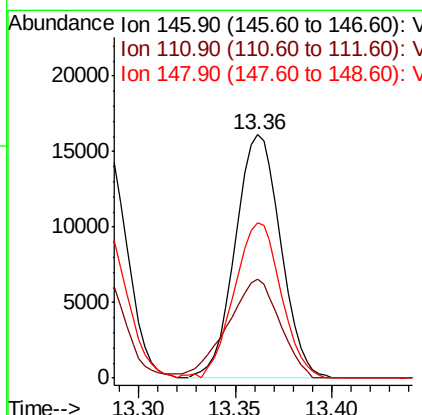
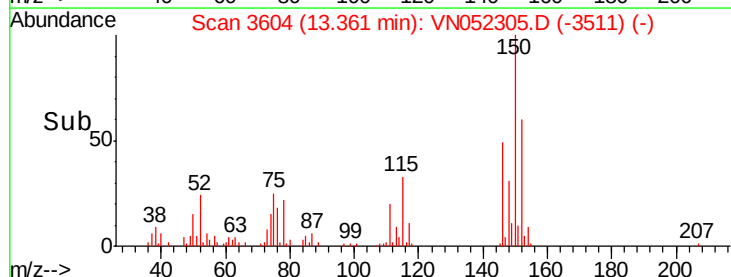
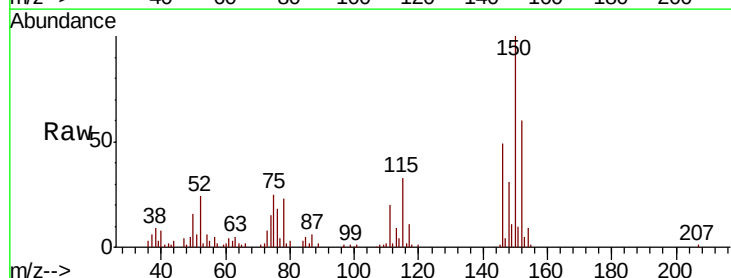
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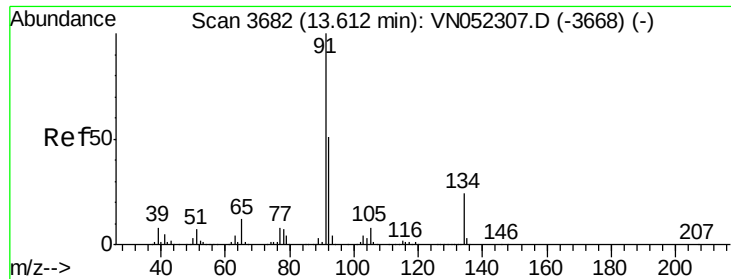
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#88
 1,4-Dichlorobenzene
 Concen: 5.179 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	20.6	61.8
148	66.3	32.4	97.2





#89

n-Butylbenzene

Concen: 4.875 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

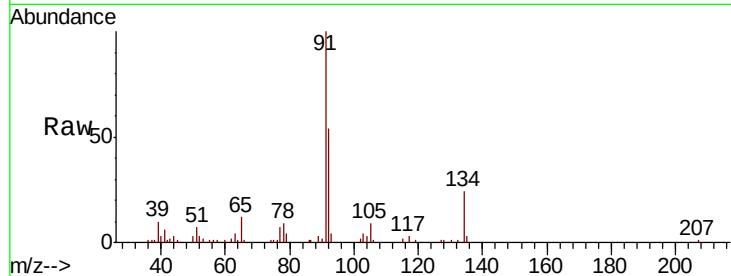
ClientSampleId :

VSTDIC005

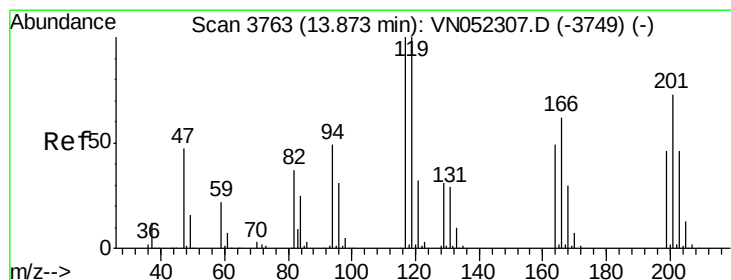
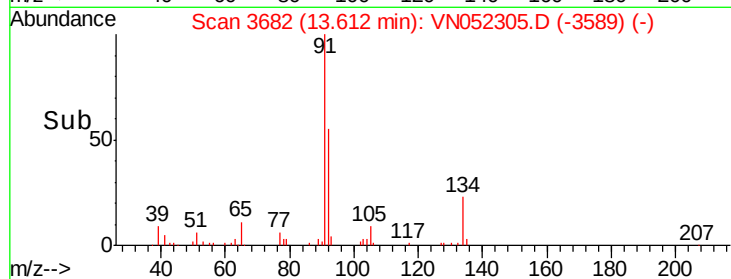
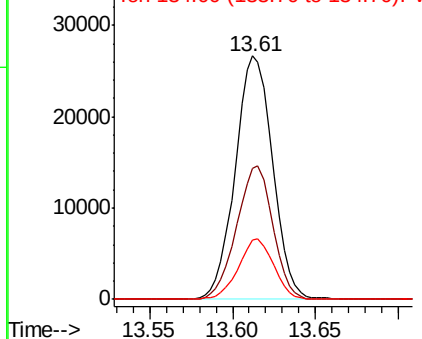
Tot Ion:	91	Resp:	41931
Ion	Ratio	Lower	Upper
91	100		
92	52.9	25.4	76.2
134	23.2	12.2	36.4

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Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3668) (-)



#90

Hexachloroethane

Concen: 4.928 ug/l

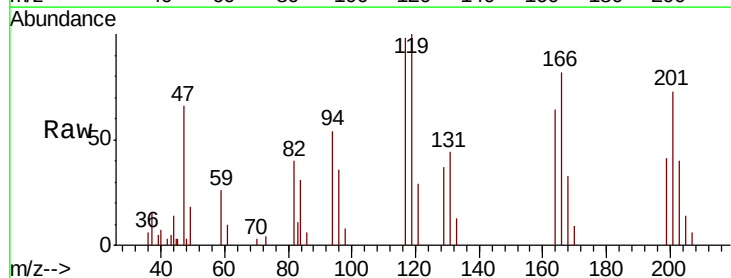
RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

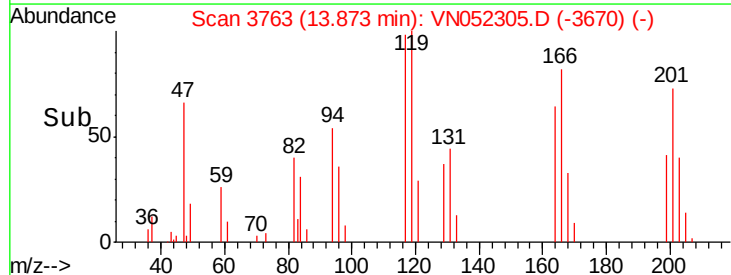
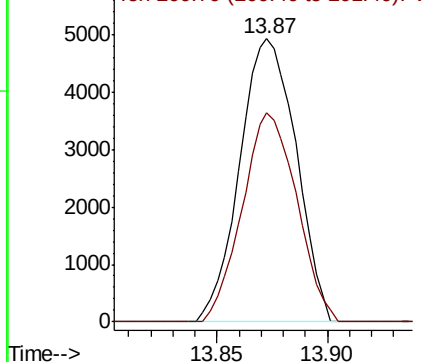
Lab File: VN052305.D

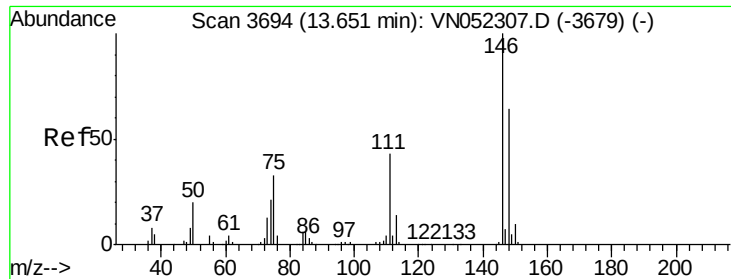
Acq: 14 Nov 2018 10:57

Tgt Ion:	117	Resp:	8741
Ion	Ratio	Lower	Upper
117	100		
201	71.4	35.3	105.9



Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-3749) (-)





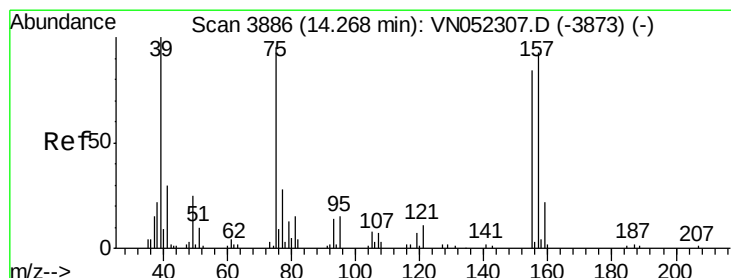
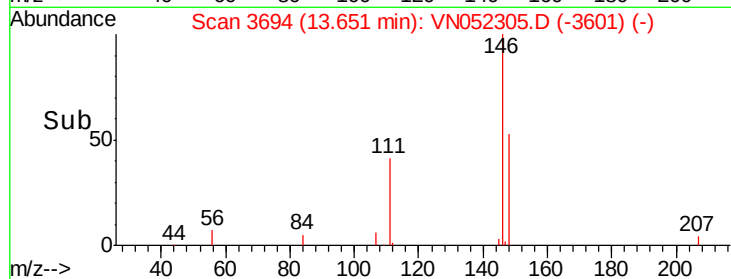
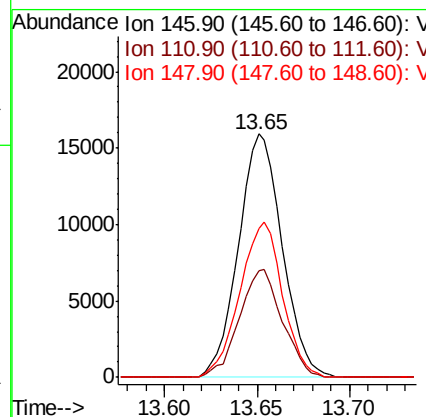
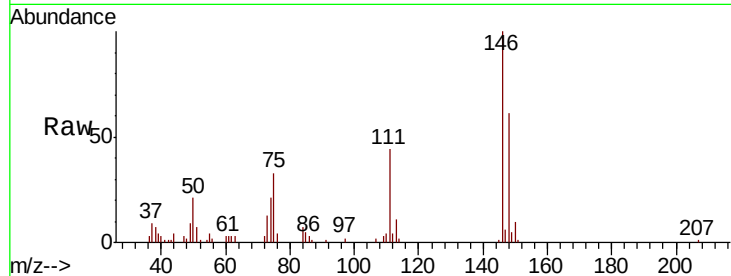
#91
 1,2-Dichlorobenzene
 Concen: 5.267 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	62.2	31.6	94.8

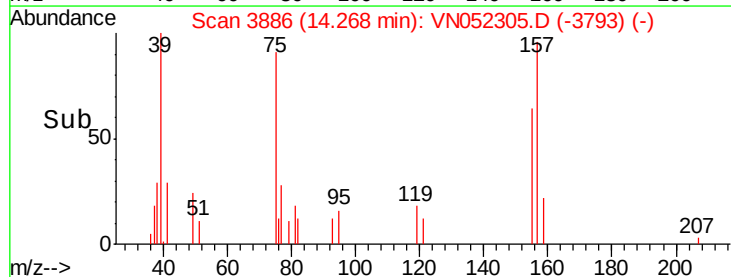
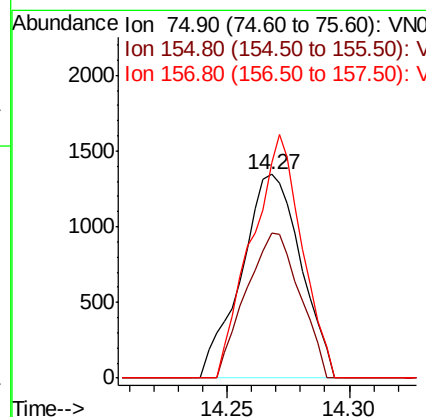
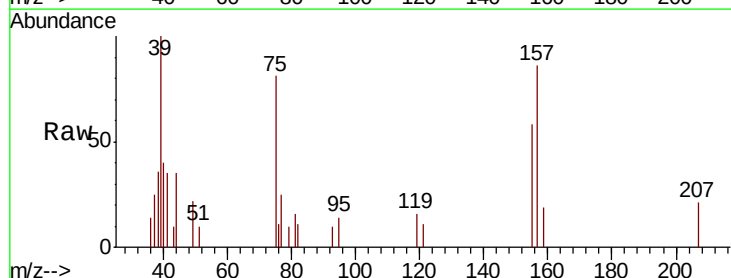
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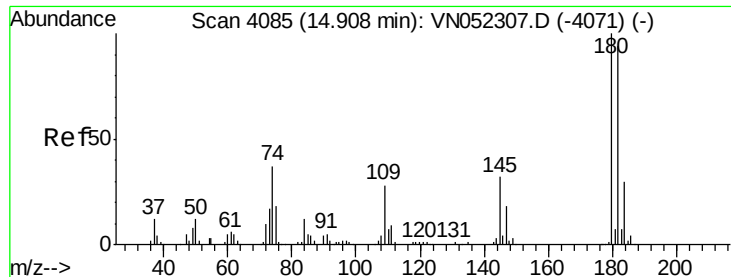
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.152 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.6	42.4	127.3
157	101.2	49.6	149.0





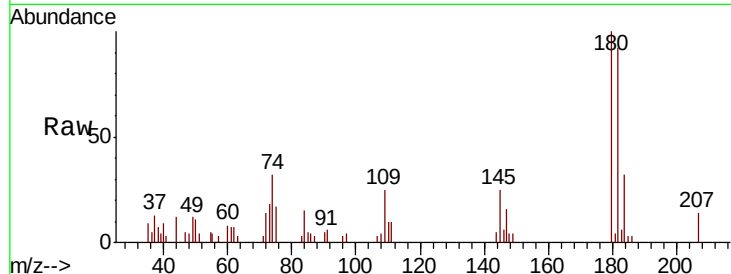
#93
 1,2,4-Trichlorobenzene
 Concen: 4.324 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.7	47.6	142.9
145	27.5	15.5	46.5

Manual Integrations
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 11/20/2018 2:58:09 PM

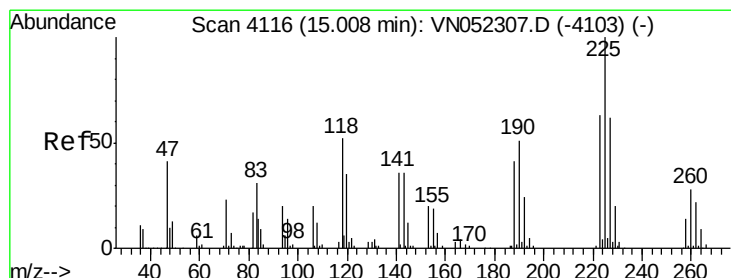
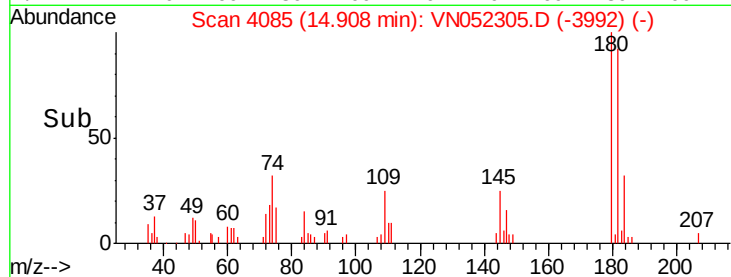
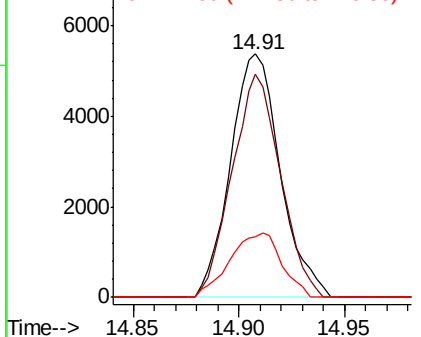


Abundance

Ion 179.80 (179.50 to 180.50): V

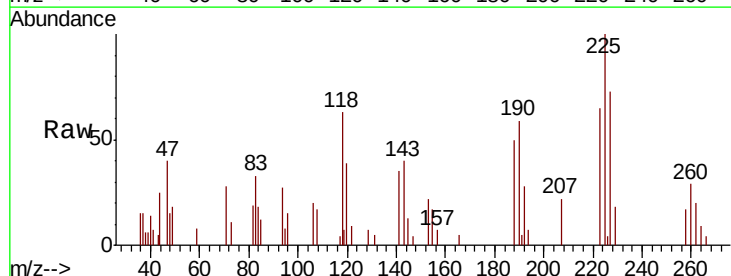
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.269 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052305.D
 Acq: 14 Nov 2018 10:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.0	31.9	95.5
227	69.3	31.6	95.0

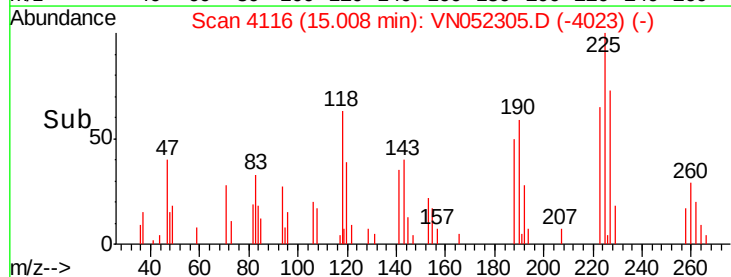
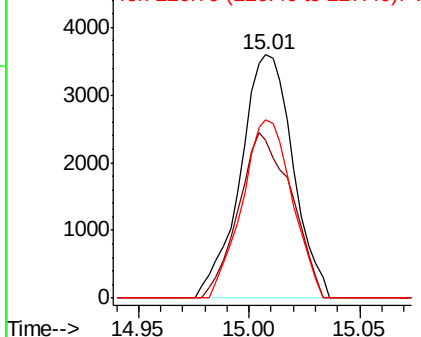


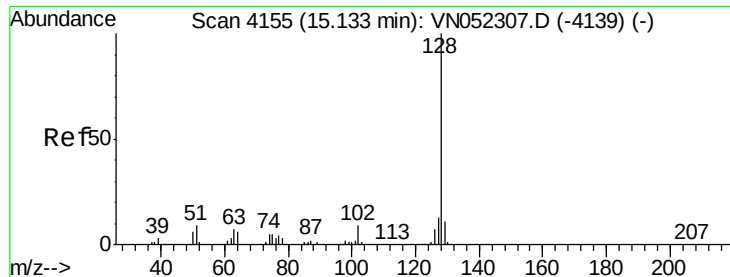
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.909 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Instrument :

MSVOA_N

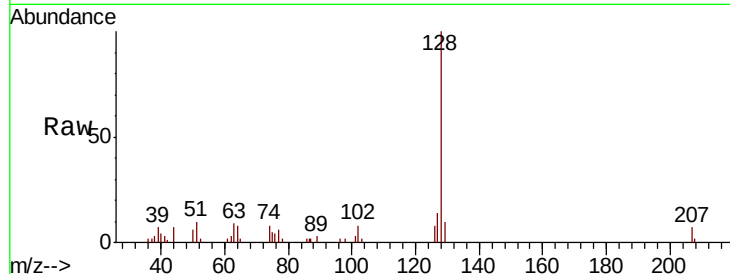
ClientSampleId :

VSTDIC005

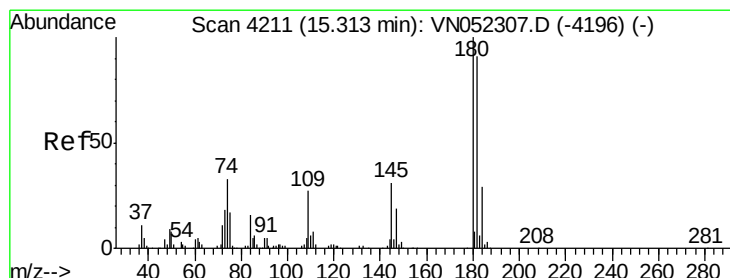
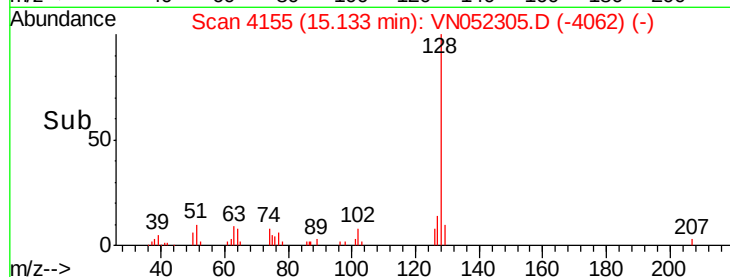
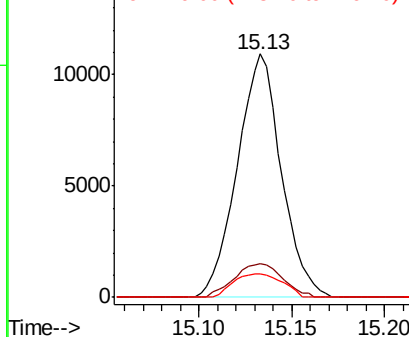
Tot Ion:	128	Resp:	17987
Ion Ratio	Lower	Upper	
128	100		
127	15.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:09 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 4.048 ug/l

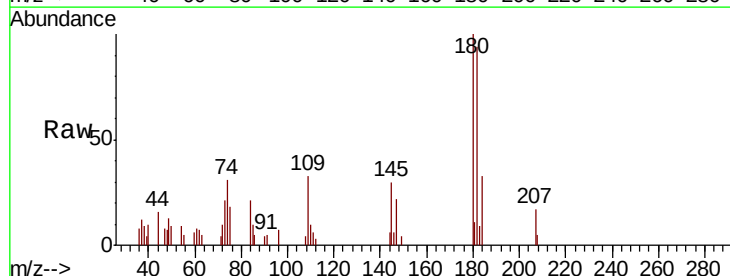
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052305.D

Acq: 14 Nov 2018 10:57

Tgt Ion:	180	Resp:	7612
Ion Ratio	Lower	Upper	
180	100		
182	96.8	46.5	139.3
145	33.3	16.4	49.2



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

