

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052372.D
 Acq On : 16 Nov 2018 18:33
 Operator : MD\SY
 Sample : VN1116WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:46:22 PM

Quant Time: Nov 17 00:09:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	245992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	427782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	374647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162426	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	178371	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.59	113	133184	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.09	98	507100	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
62) 4-Bromofluorobenzene	12.40	95	165116	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	53416	20.492	ug/l	100
3) Chloromethane	2.06	50	70727	19.524	ug/l	97
4) Vinyl Chloride	2.19	62	63405	20.249	ug/l	97
5) Bromomethane	2.58	94	28104	14.397	ug/l	98
6) Chloroethane	2.71	64	35356	19.970	ug/l	98
7) Trichlorofluoromethane	3.03	101	90112	20.796	ug/l	99
8) Diethyl Ether	3.41	74	31299	18.952	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	51919	18.973	ug/l	97
10) Methyl Iodide	3.96	142	48420	13.179	ug/l	100
11) Tert butyl alcohol	4.79	59	17245m	93.987	ug/l	
12) 1,1-Dichloroethene	3.74	96	47455	18.740	ug/l	98
13) Acrolein	3.61	56	16905	77.536	ug/l	97
14) Allyl chloride	4.33	41	90796	17.462	ug/l	88
15) Acrylonitrile	4.99	53	98614	94.124	ug/l	98
16) Acetone	3.82	43	77963	81.500	ug/l	95
17) Carbon Disulfide	4.06	76	132222	18.209	ug/l	98
18) Methyl Acetate	4.33	43	52748	19.939	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	140869	19.358	ug/l	100
20) Methylene Chloride	4.55	84	58469	19.666	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	52325	19.192	ug/l	93
22) Diisopropyl ether	5.95	45	210328	19.825	ug/l	98
23) Vinyl Acetate	5.90	43	519637	72.204	ug/l	99
24) 1,1-Dichloroethane	5.85	63	111252	19.556	ug/l	99
25) 2-Butanone	6.84	43	121257	90.055	ug/l	96
26) 2,2-Dichloropropane	6.83	77	74646	17.845	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	59998	18.904	ug/l	95
28) Bromochloromethane	7.20	49	56860	19.439	ug/l	98
29) Tetrahydrofuran	7.21	42	78381	88.612	ug/l	98
30) Chloroform	7.38	83	110103	20.309	ug/l	100
31) Cyclohexane	7.66	56	107035	19.621	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	91563	19.826	ug/l	98
36) 1,1-Dichloropropene	7.80	75	83288	19.425	ug/l	98
37) Ethyl Acetate	6.93	43	59206	19.027	ug/l	96
38) Carbon Tetrachloride	7.78	117	78182	19.847	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	91521	18.698	ug/l	99
40) Benzene	8.04	78	235845	19.254	ug/l	98
41) Methacrylonitrile	7.17	41	30064	19.806	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	87464	20.024	ug/l	100
43) Isopropyl Acetate	8.17	43	110342	18.376	ug/l	97
44) Trichloroethene	8.84	130	59827	19.829	ug/l	98
45) 1,2-Dichloropropane	9.12	63	66806	19.218	ug/l	97
46) Dibromomethane	9.21	93	38622	19.192	ug/l	99
47) Bromodichloromethane	9.40	83	82756	20.040	ug/l	99
48) Methyl methacrylate	9.20	41	52188	17.129	ug/l	97
49) 1,4-Dioxane	9.20	88	9233	394.756	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	279276	92.398	ug/l	100
52) Toluene	10.16	92	140882	19.227	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	76481	18.363	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	89764	18.906	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	50206	18.901	ug/l	95
56) Ethyl methacrylate	10.43	69	64899	18.578	ug/l	97
57) 1,3-Dichloropropane	10.71	76	92077	19.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	198733	99.922	ug/l	100
59) 2-Hexanone	10.75	43	180155	86.655	ug/l	98
60) Dibromochloromethane	10.90	129	53770	18.709	ug/l	99
61) 1,2-Dibromoethane	11.00	107	47093	17.798	ug/l	95
64) Tetrachloroethene	10.63	164	77934	29.260	ug/l	99
65) Chlorobenzene	11.43	112	152873	19.304	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54650	20.237	ug/l	99
67) Ethyl Benzene	11.51	91	266811	19.412	ug/l	99
68) m/p-Xylenes	11.62	106	196234	39.075	ug/l	99
69) o-Xylene	11.95	106	94054	19.538	ug/l	97
70) Styrene	11.96	104	152191	19.744	ug/l	99
71) Bromoform	12.12	173	29920	18.765	ug/l #	95
73) Isopropylbenzene	12.25	105	257961	19.753	ug/l	98
74) N-amyl acetate	12.07	43	86256	18.544	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	54403	17.233	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	48897m	17.742	ug/l	
77) Bromobenzene	12.53	156	57851	19.039	ug/l	100
78) n-propylbenzene	12.59	91	299593	19.616	ug/l	99
79) 2-Chlorotoluene	12.67	91	172976	19.387	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	207850	20.014	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	14453	17.009	ug/l	93
82) 4-Chlorotoluene	12.77	91	177983	19.471	ug/l	97
83) tert-Butylbenzene	12.99	119	176164	19.214	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	211600	20.297	ug/l	97
85) sec-Butylbenzene	13.17	105	245483	19.655	ug/l	99
86) p-Isopropyltoluene	13.29	119	205141	19.390	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	101408	18.792	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	100109	18.659	ug/l	98
89) n-Butylbenzene	13.61	91	173849	19.133	ug/l	100
90) Hexachloroethane	13.88	117	36128	19.280	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	98686	18.876	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9100	19.549	ug/l	90

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40868	18.298	ug/l	99
94) Hexachlorobutadiene	15.01	225	22976	19.200	ug/l	98
95) Naphthalene	15.13	128	89377	17.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	37126	18.688	ug/l	95

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

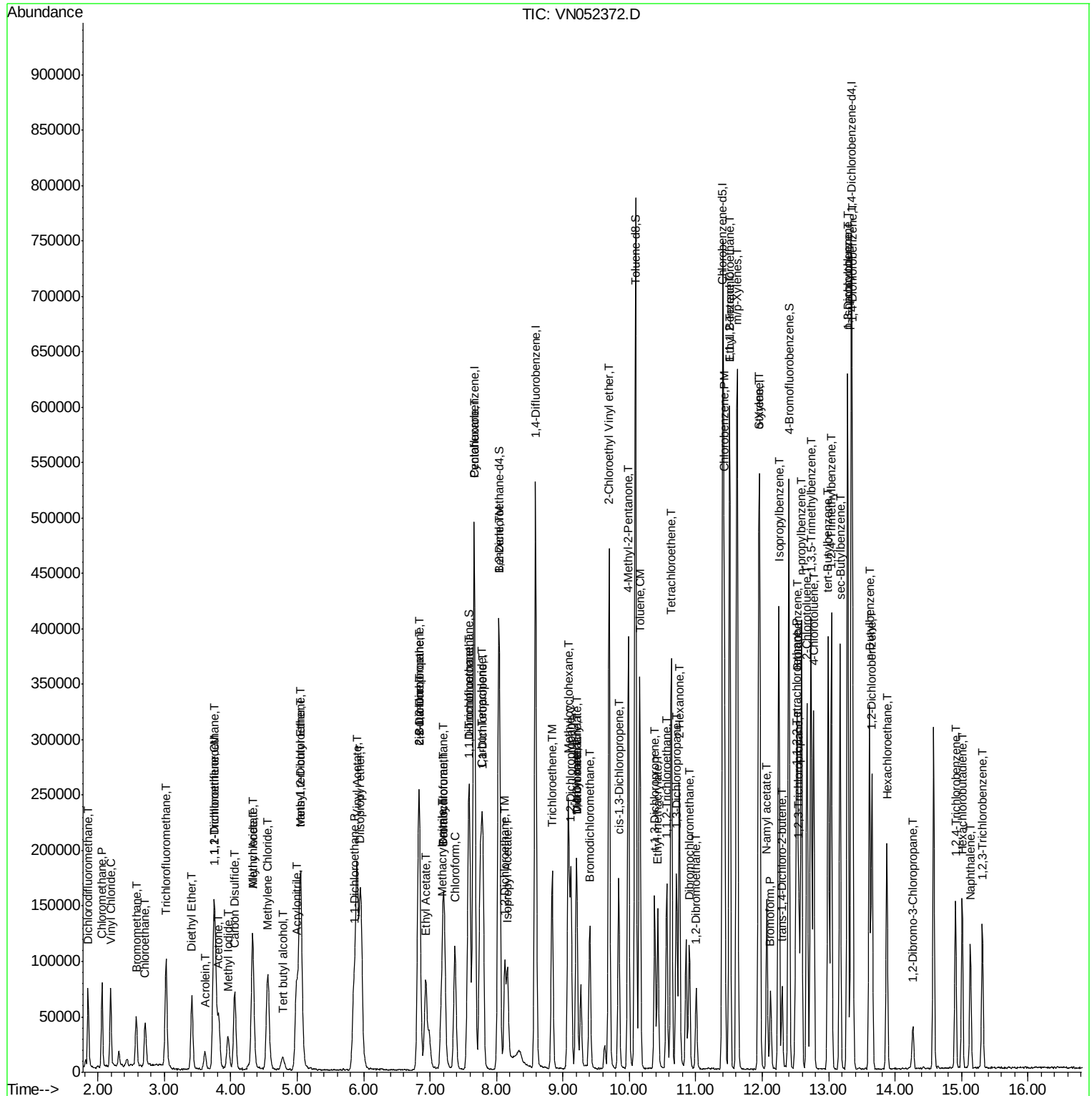
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 Data File : VN052372.D
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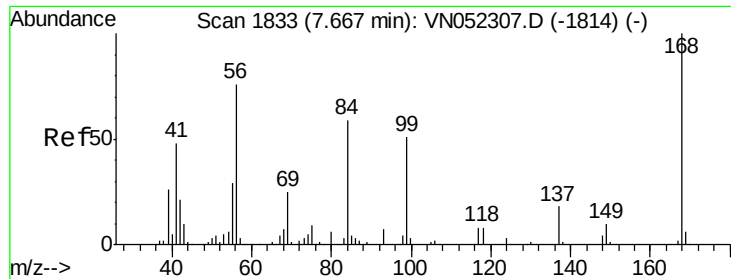
Instrument :
 MSVOA_N
 Client Sample ID :
 VN1116WBSD02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD02

Tot Ion:168 Resp: 245992

Ion Ratio Lower Upper

168 100

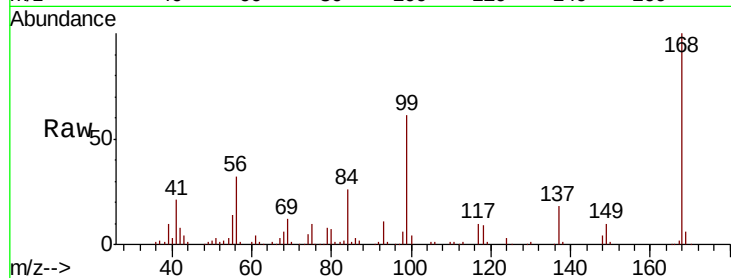
99 61.2 47.9 71.9

Manual Integrations

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11/19/2018 12:46:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

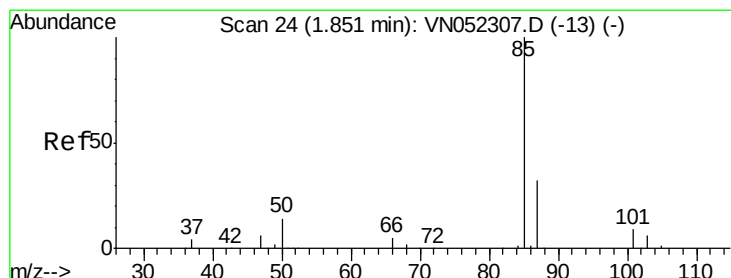
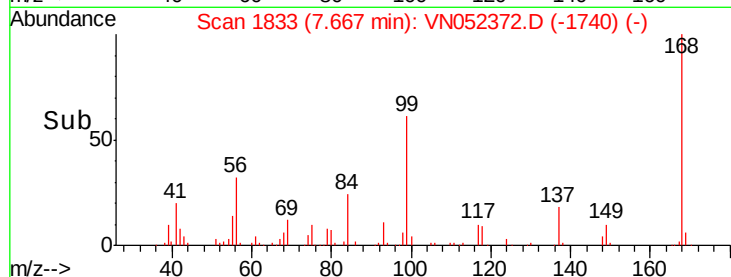
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.492 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052372.D

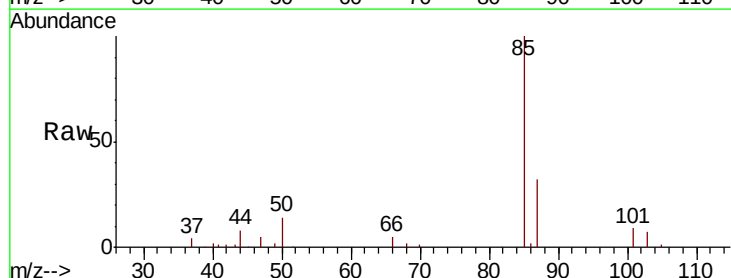
Acq: 16 Nov 2018 18:33

Tgt Ion: 85 Resp: 53416

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

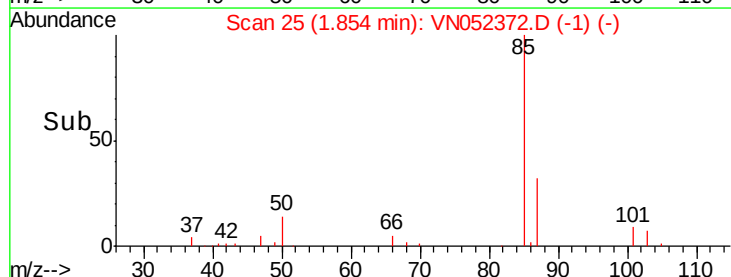
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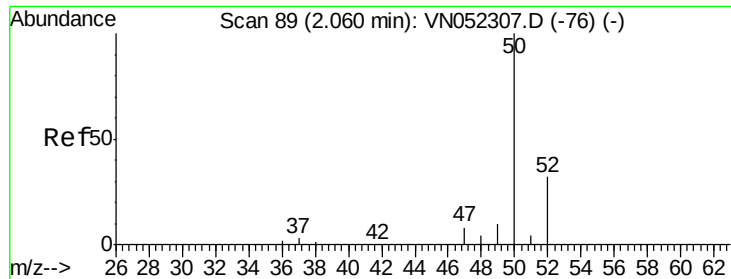
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10000

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Time-->





#3

Chloromethane

Concen: 19.524 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD02

Tot Ion: 50 Resp: 70727

Ion Ratio Lower Upper

50 100

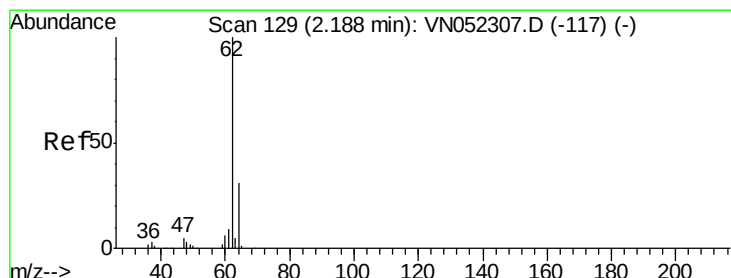
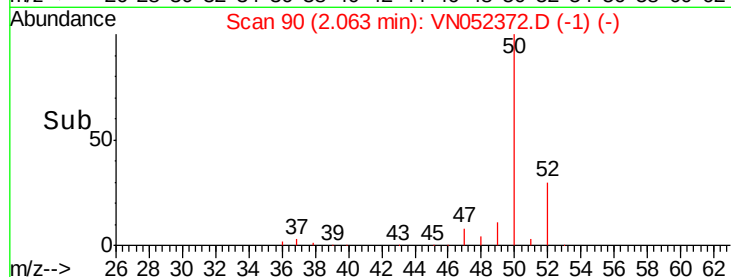
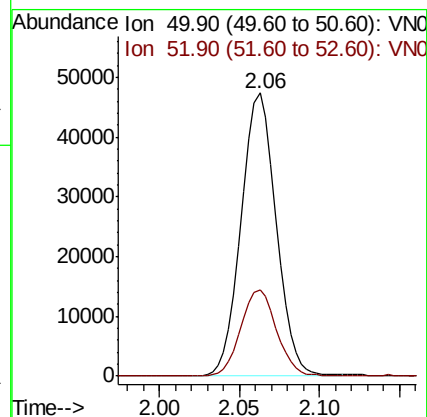
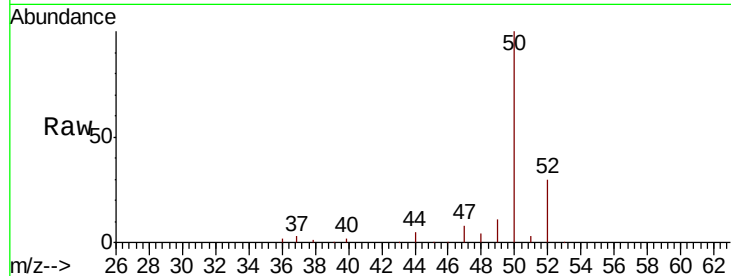
52 30.4 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.249 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052372.D

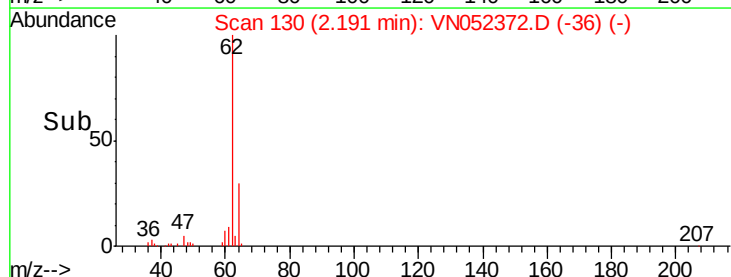
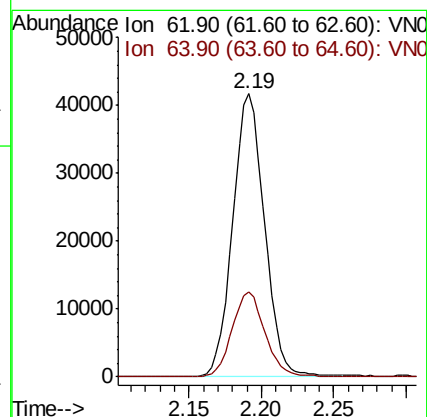
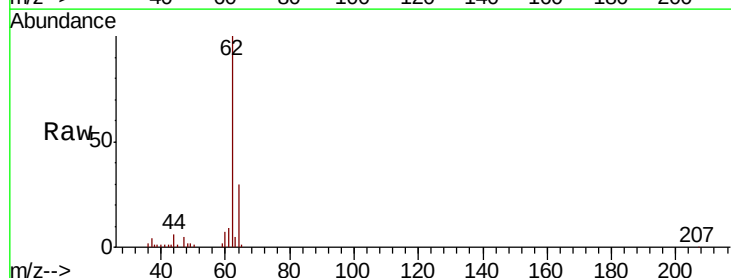
Acq: 16 Nov 2018 18:33

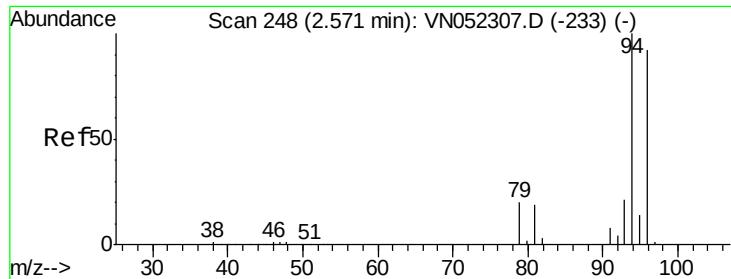
Tgt Ion: 62 Resp: 63405

Ion Ratio Lower Upper

62 100

64 29.9 25.2 37.8





#5

Bromomethane

Concen: 14.397 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Tot Ion: 94 Resp: 28104

Ion Ratio Lower Upper

94 100

96 93.6 73.6 110.4

Instrument :

MSVOA_N

ClientSampleId :

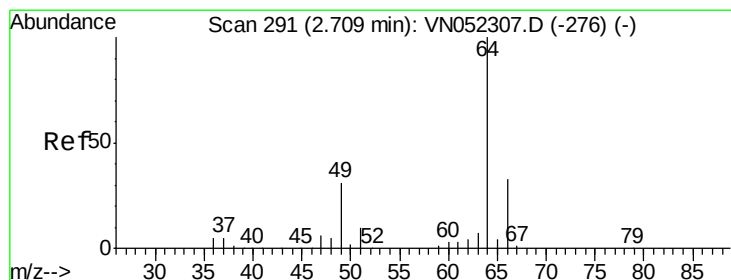
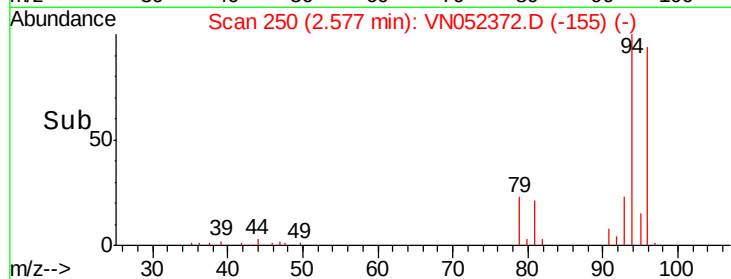
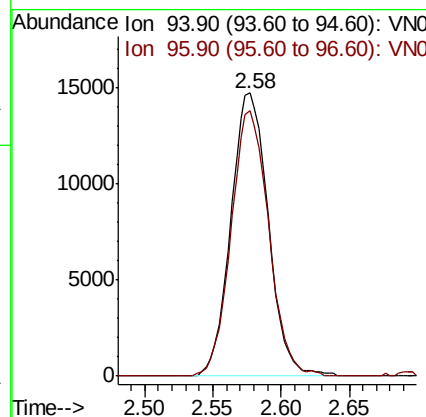
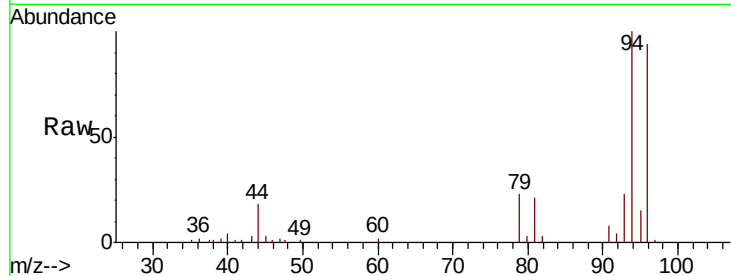
VN1116WBSD02

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#6

Chloroethane

Concen: 19.970 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052372.D

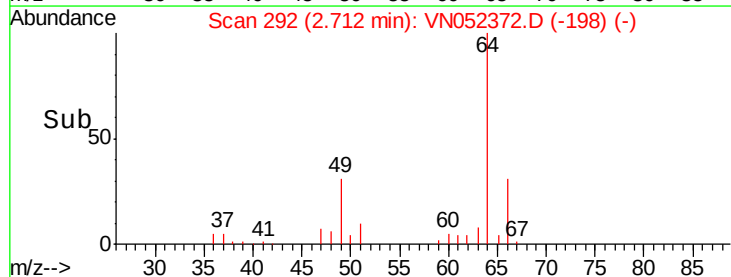
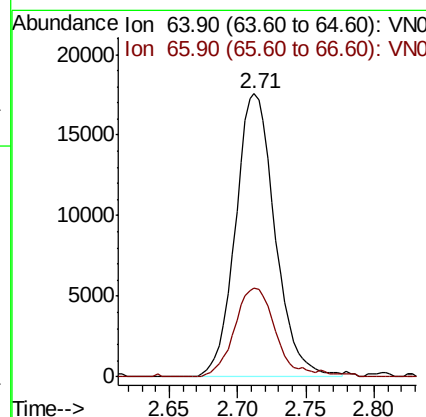
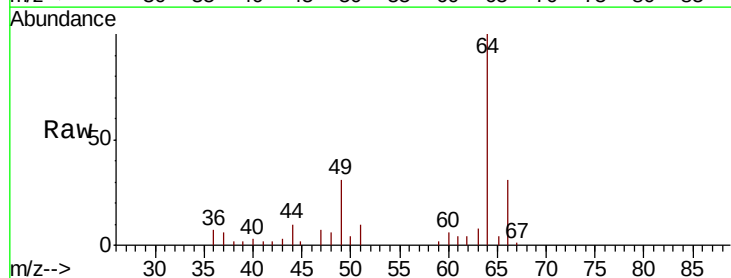
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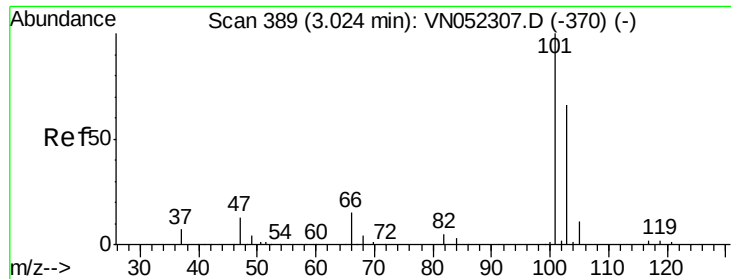
Tgt Ion: 64 Resp: 35356

Ion Ratio Lower Upper

64 100

66 31.3 26.2 39.2





#7

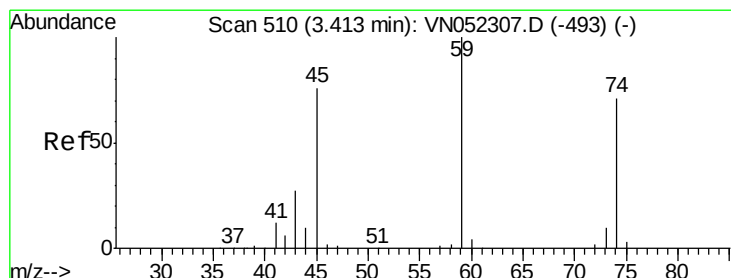
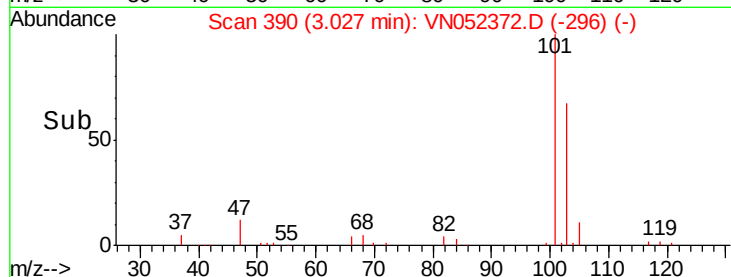
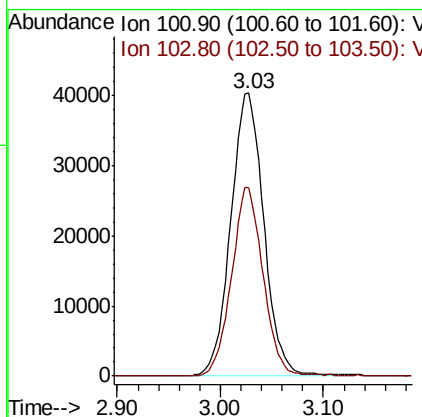
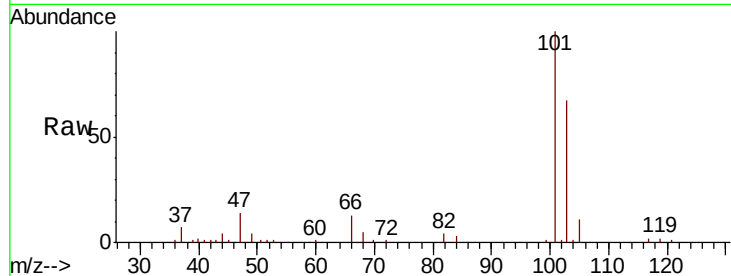
Trichlorofluoromethane
Concen: 20.796 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	52.8	79.2

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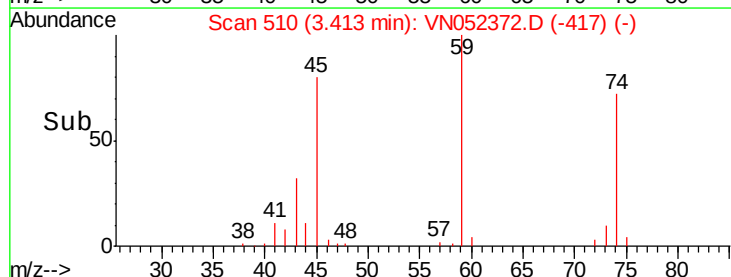
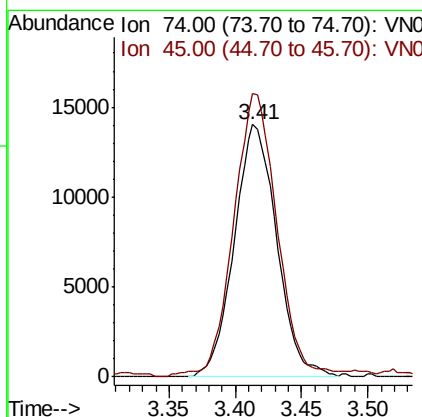
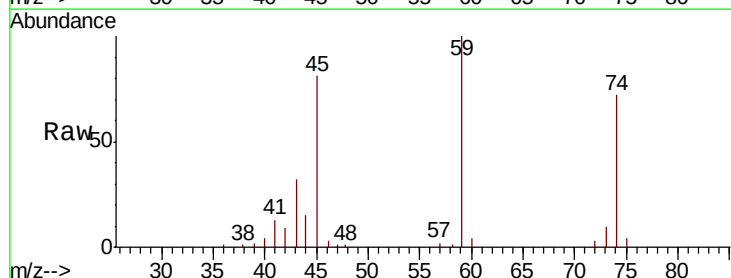
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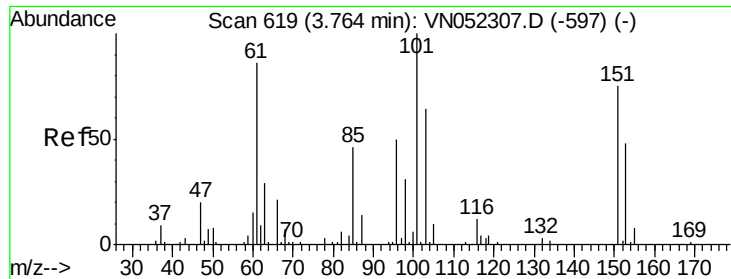


#8

Diethyl Ether
Concen: 18.952 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.0	54.3	162.9





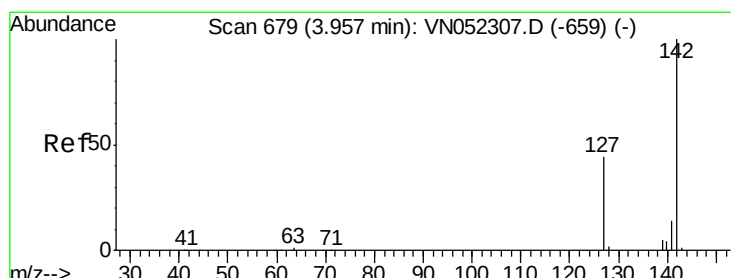
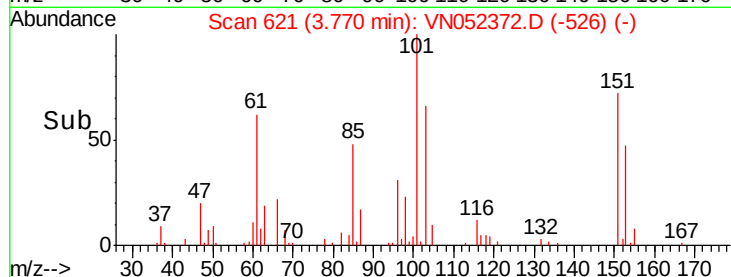
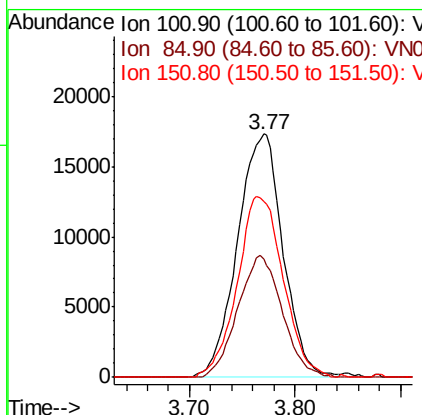
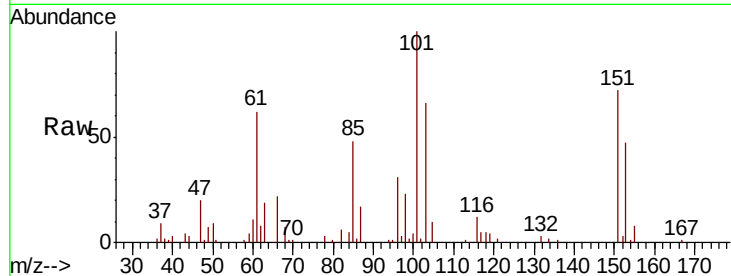
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.973 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
85	48.9	37.4	56.0
151	75.0	58.6	88.0

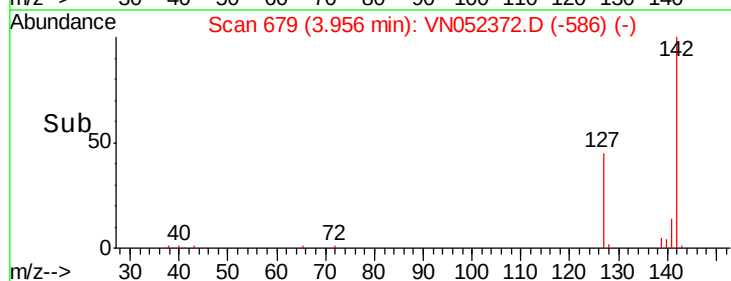
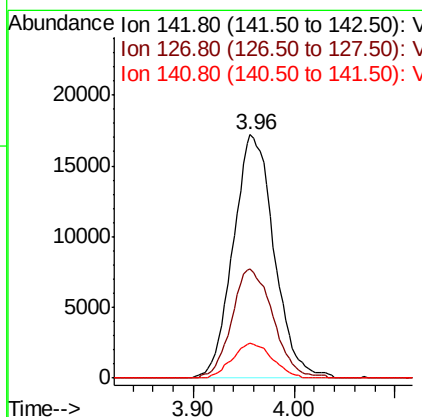
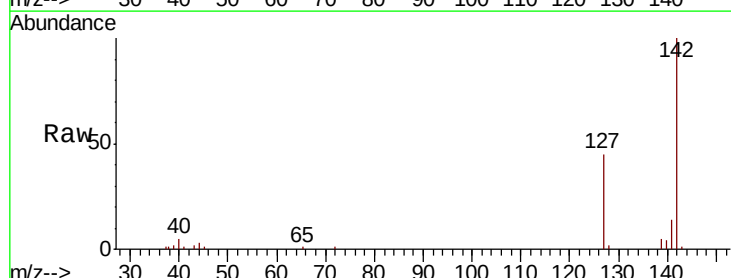
Manual Integrations
 APPROVED

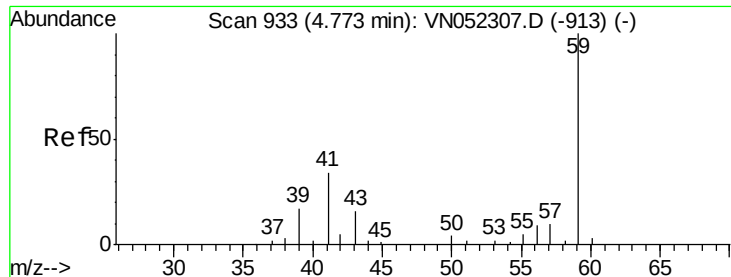
MMDadoda
 11/19/2018 12:46:22 PM



#10
 Methyl Iodide
 Concen: 13.179 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.3	36.3	54.5
141	14.0	11.4	17.2





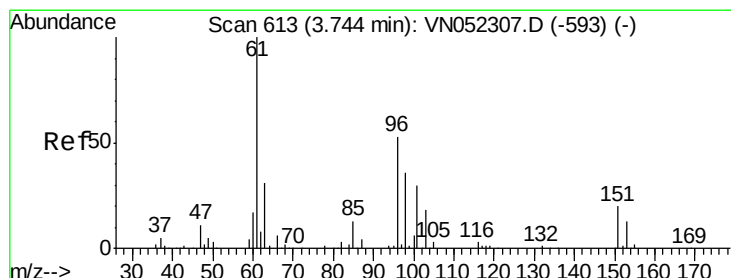
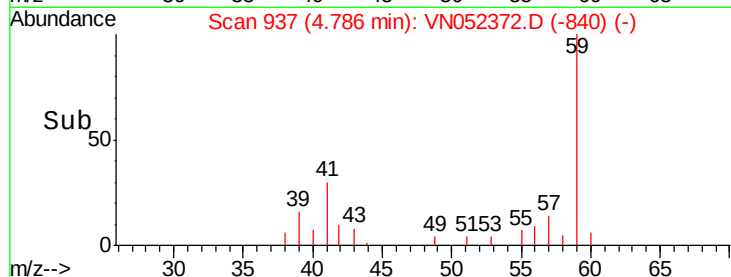
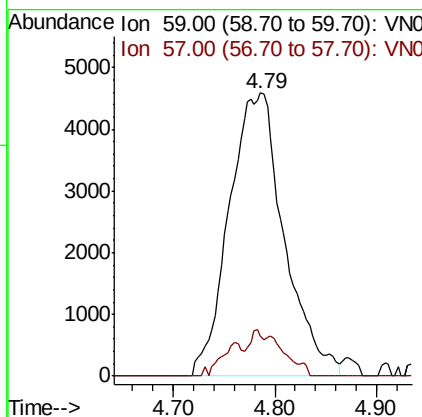
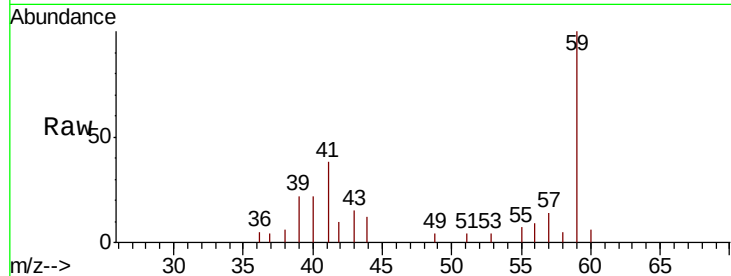
#11
Tert butyl alcohol
Concen: 93.987 ug/l m
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.5	12.7#

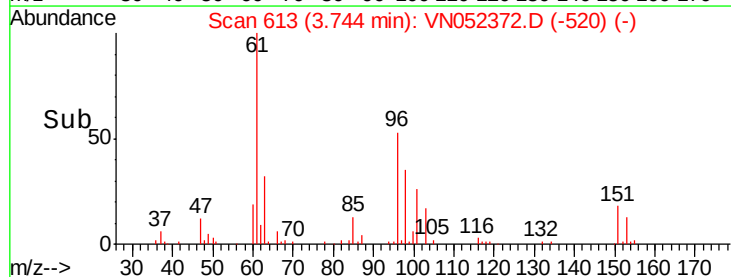
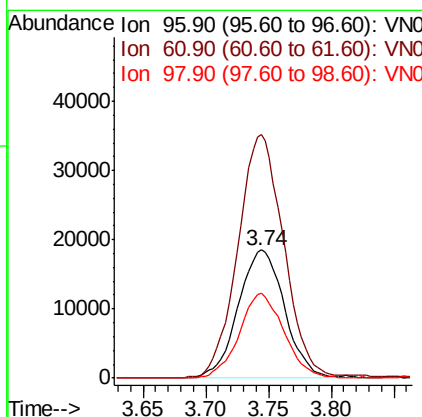
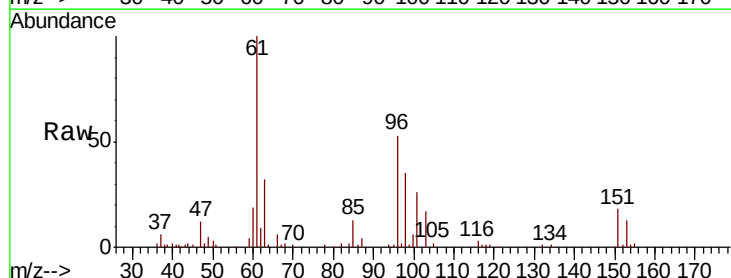
Manual Integrations
APPROVED

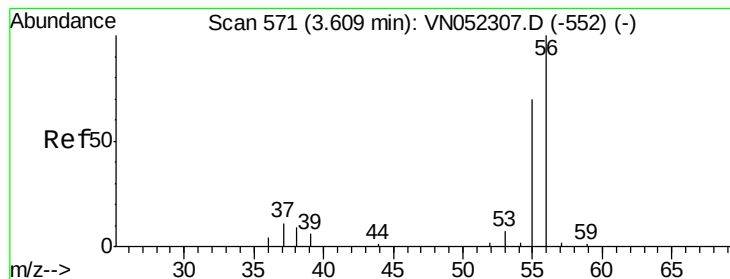
MMDadoda
11/19/2018 12:46:22 PM



#12
1,1-Dichloroethene
Concen: 18.740 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.4	149.6	224.4
98	66.7	54.2	81.2





#13

Acrolein

Concen: 77.536 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD02

Tot Ion: 56 Resp: 16905

Ion Ratio Lower Upper

56 100

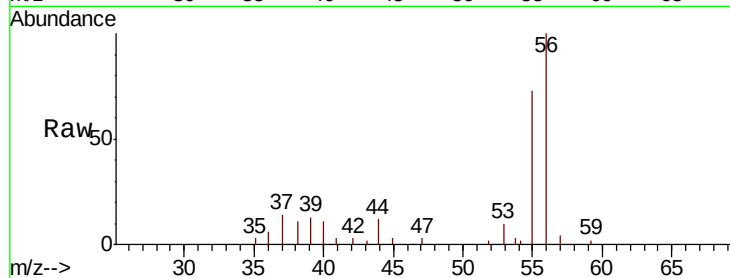
55 74.2 57.6 86.4

Manual Integrations

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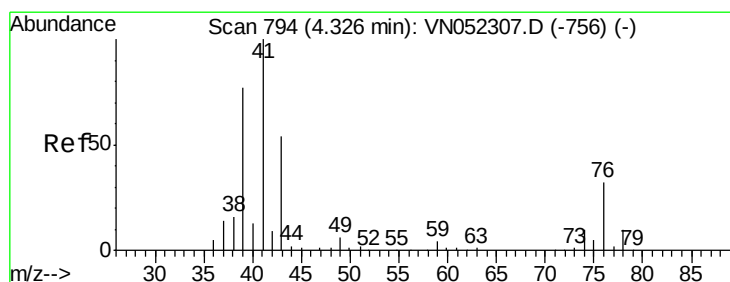
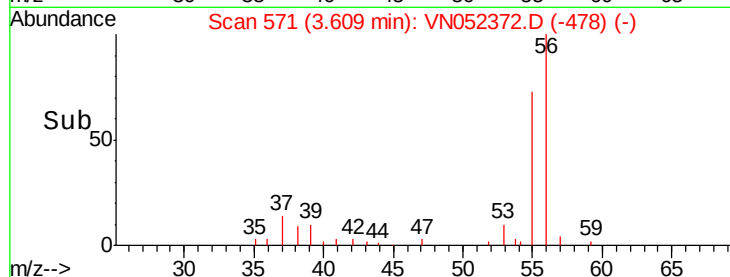
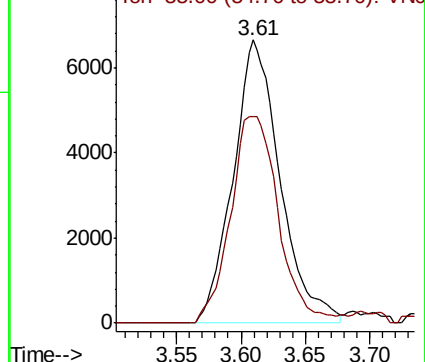
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.462 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

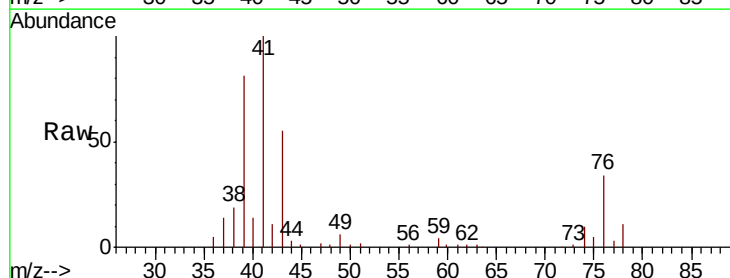
Tgt Ion: 41 Resp: 90796

Ion Ratio Lower Upper

41 100

39 85.7 59.1 88.7

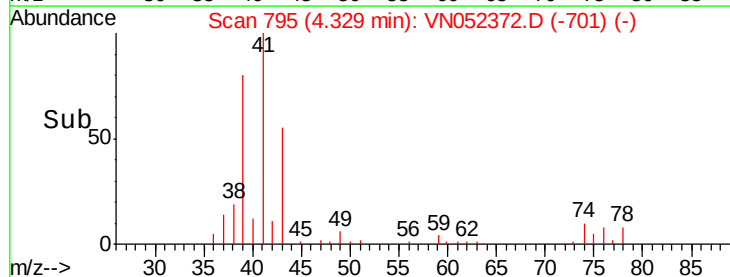
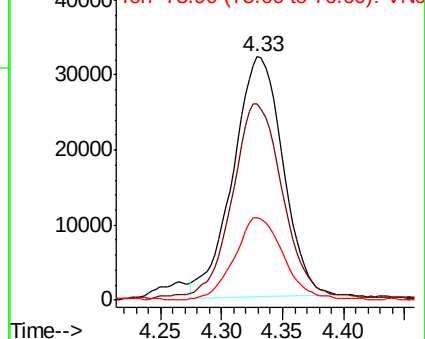
76 33.9 24.1 36.1

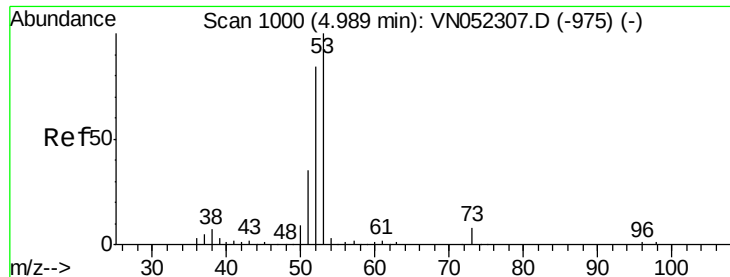


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 94.124 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

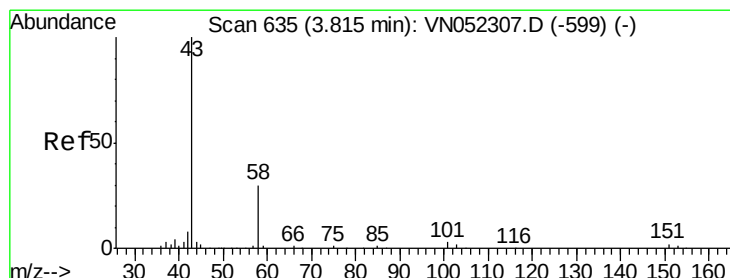
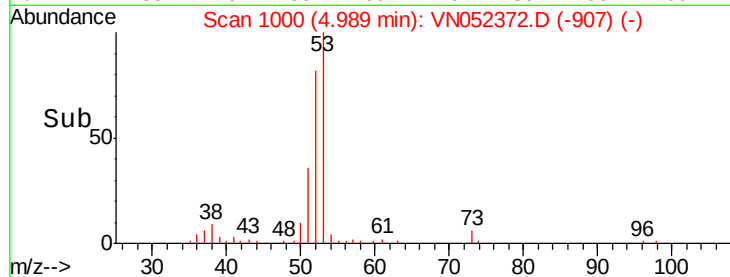
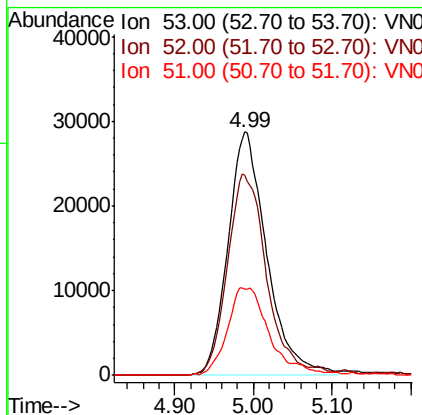
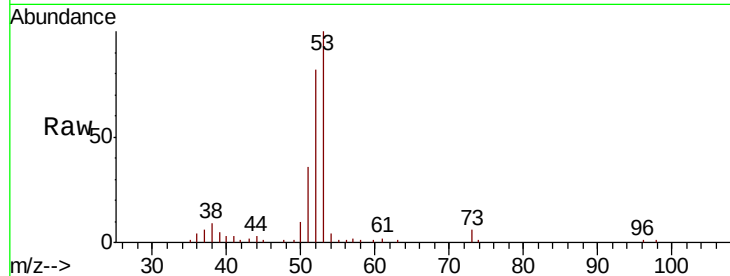
ClientSampleId :

VN1116WBSD02

Tot Ion:	53	Resp:	98614
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.5	101.3
51	38.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 81.500 ug/l

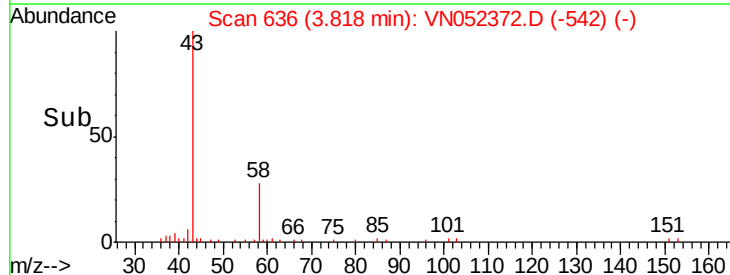
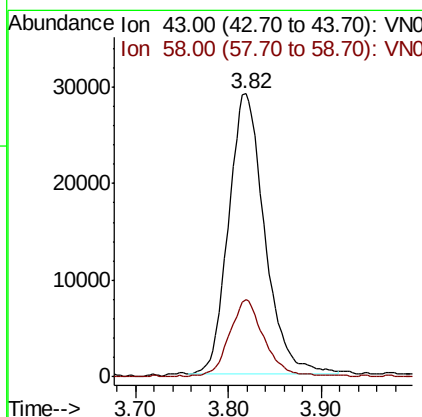
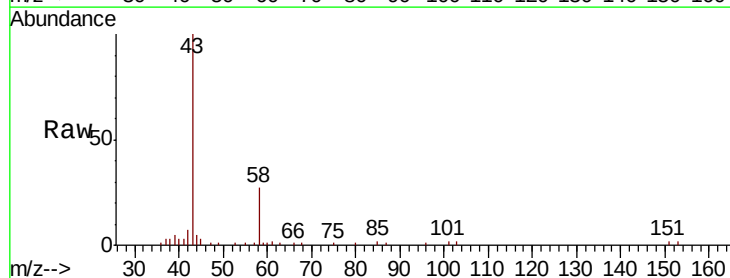
RT: 3.82 min Scan# 636

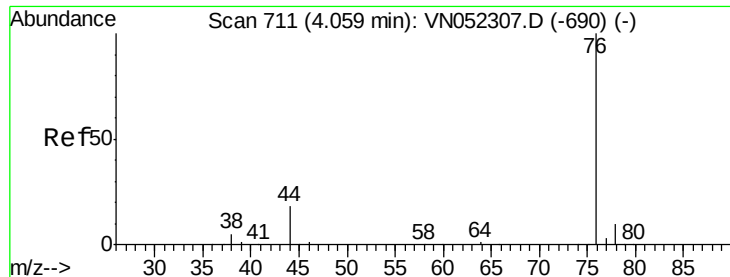
Delta R.T. 0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Tgt Ion:	43	Resp:	77963
Ion	Ratio	Lower	Upper
43	100		
58	27.7	24.2	36.4





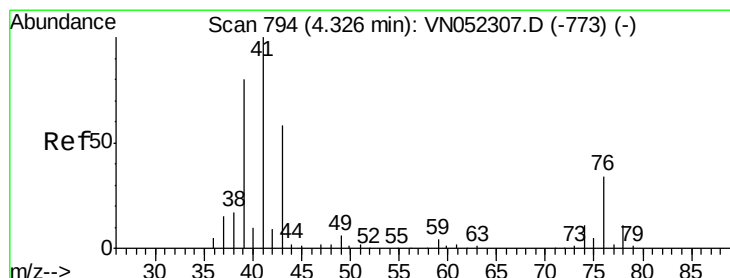
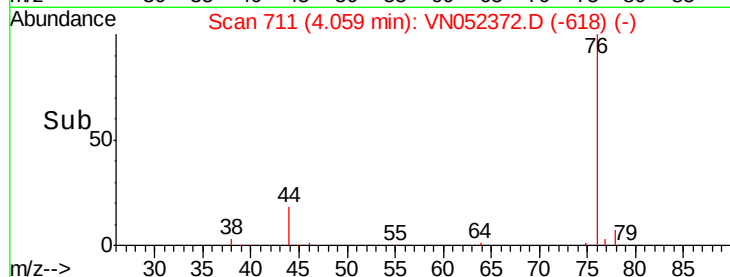
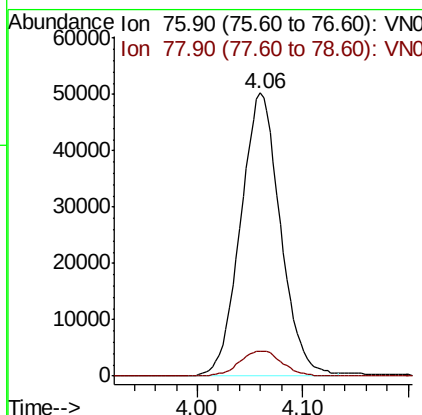
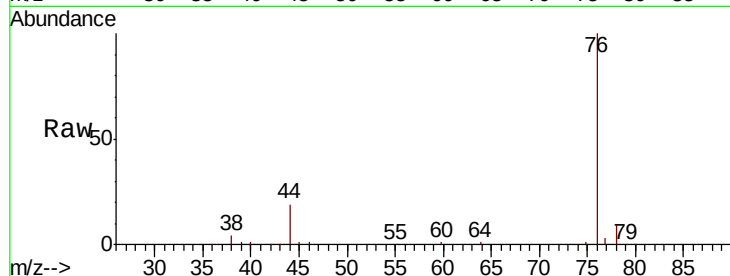
#17
Carbon Disulfide
Concen: 18.209 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.7	11.5

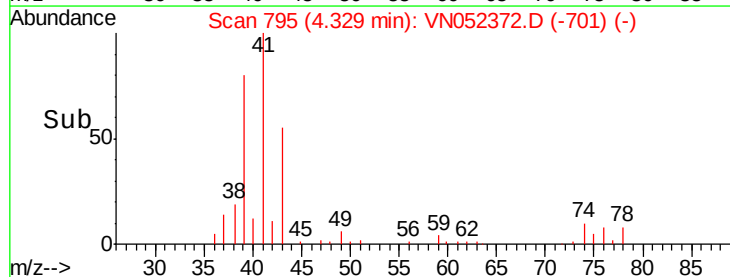
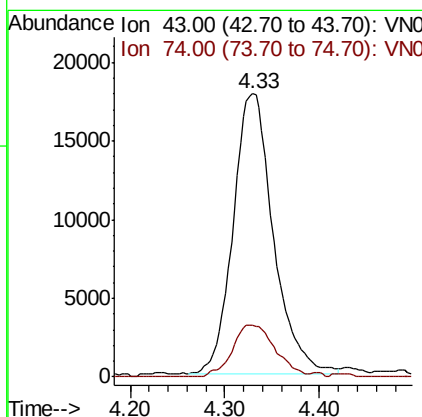
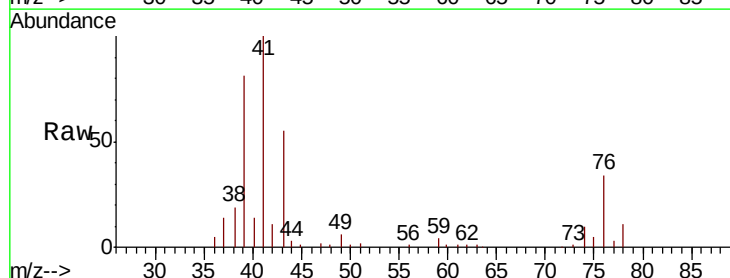
Manual Integrations
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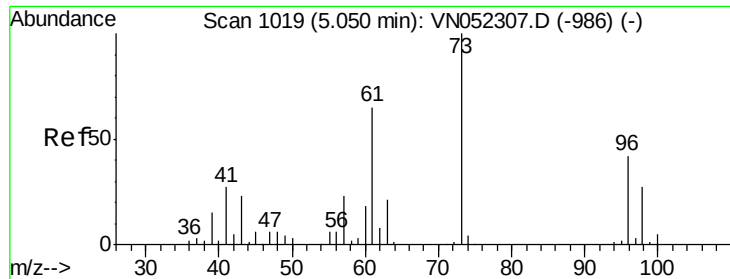
MMDadoda
11/19/2018 12:46:22 PM



#18
Methyl Acetate
Concen: 19.939 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	15.9	23.9





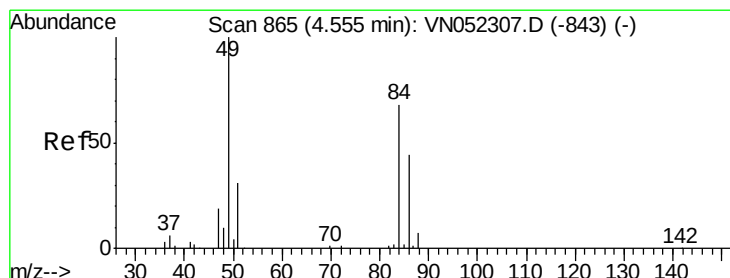
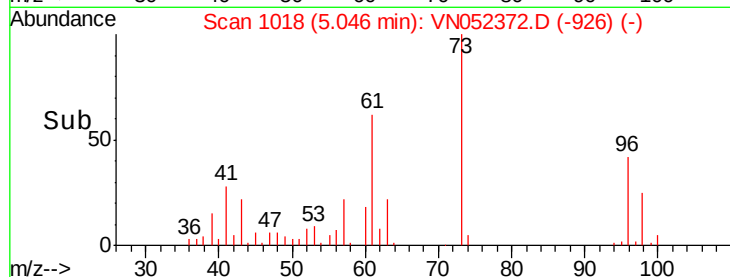
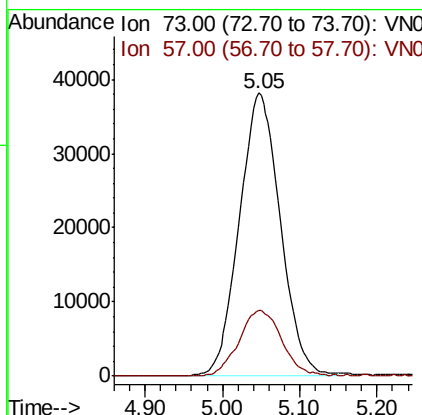
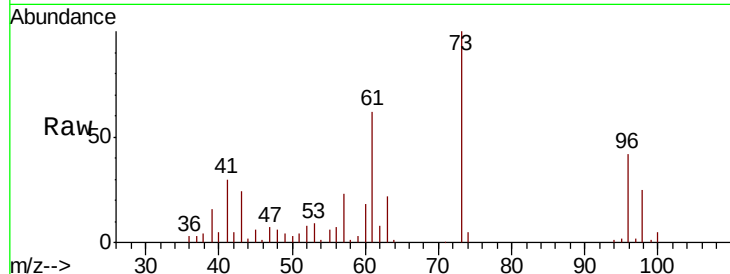
#19
Methyl tert-butyl Ether
Concen: 19.358 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion: 73 Resp: 140869
Ion Ratio Lower Upper
73 100
57 23.2 18.7 28.1

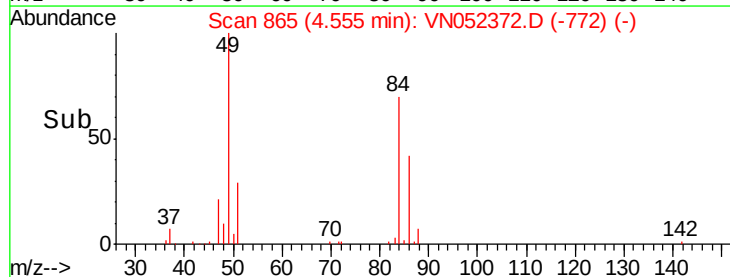
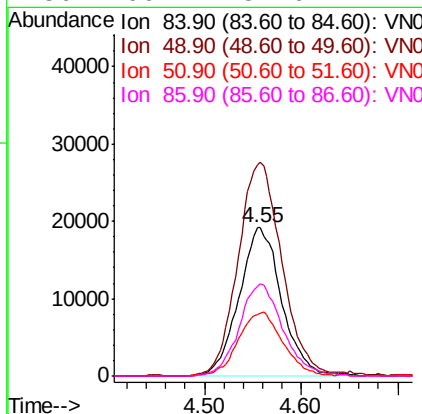
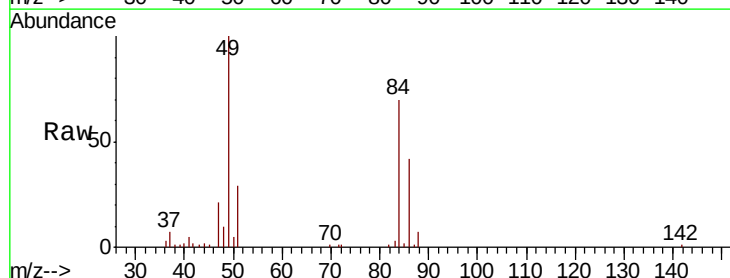
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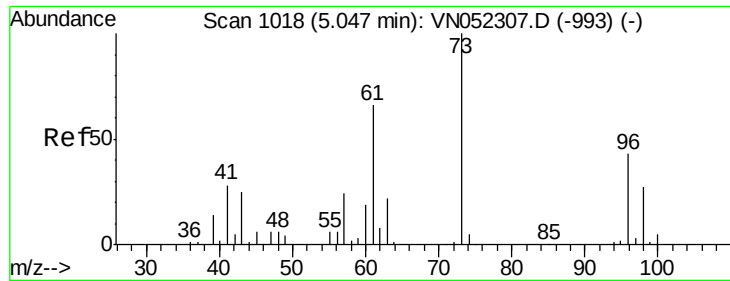
MMDadoda
11/19/2018 12:46:22 PM



#20
Methylene Chloride
Concen: 19.666 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion: 84 Resp: 58469
Ion Ratio Lower Upper
84 100
49 142.2 118.2 177.2
51 41.7 36.1 54.1
86 60.1 51.6 77.4





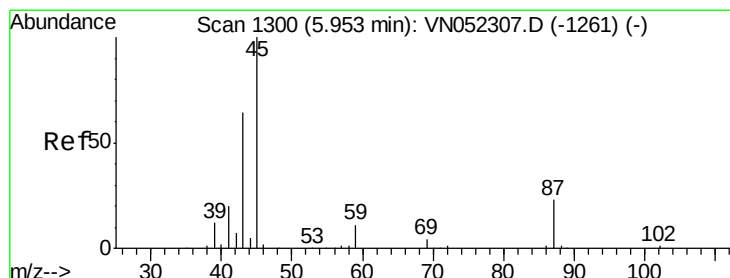
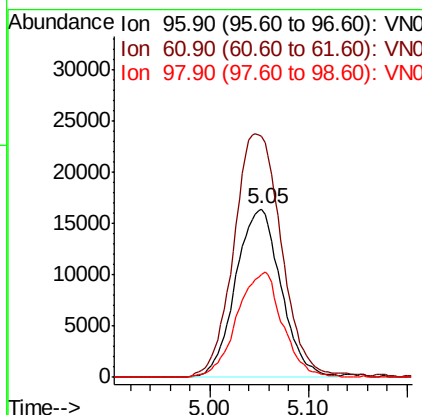
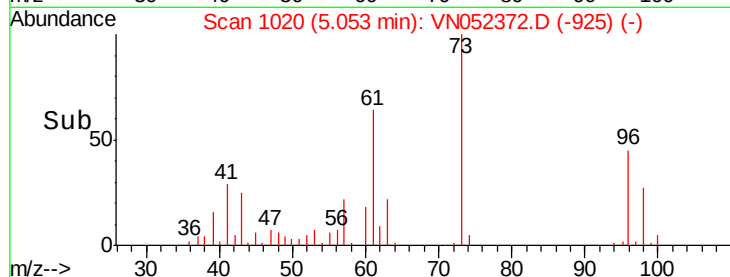
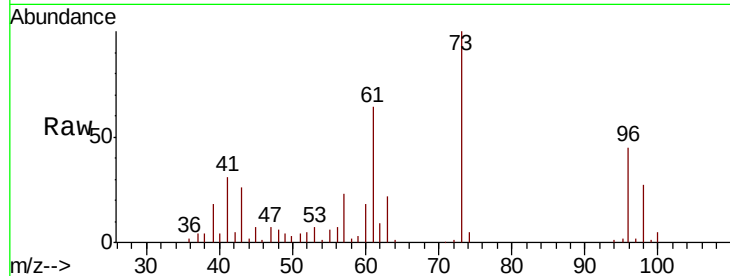
#21
trans-1,2-Dichloroethene
Concen: 19.192 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	123.6	185.4
98	61.5	50.7	76.1

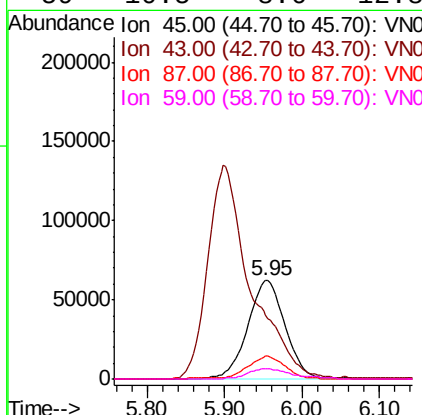
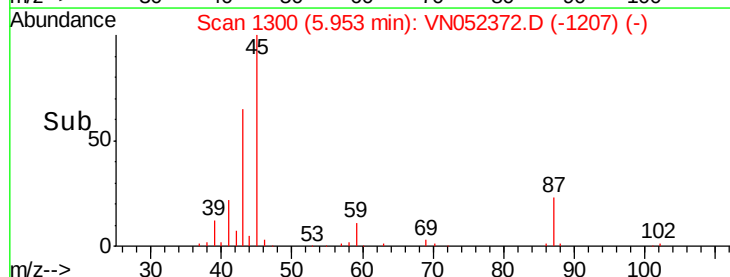
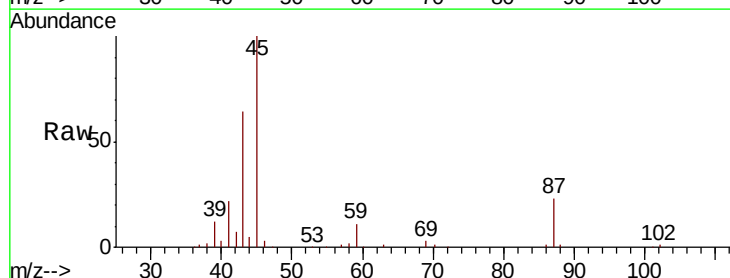
Manual Integrations
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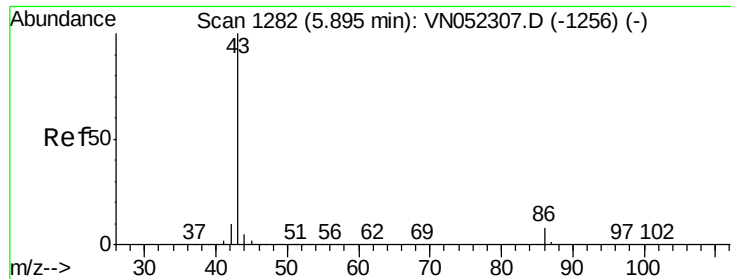
MMDadoda
11/19/2018 12:46:22 PM



#22
Diisopropyl ether
Concen: 19.825 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	51.4	77.2
87	22.8	18.8	28.2
59	10.5	8.6	12.8





#23

Vinyl Acetate

Concen: 72.204 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD02

Tot Ion: 43 Resp: 519637

Ion Ratio Lower Upper

43 100

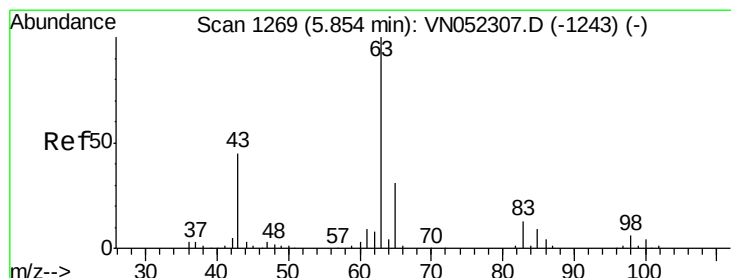
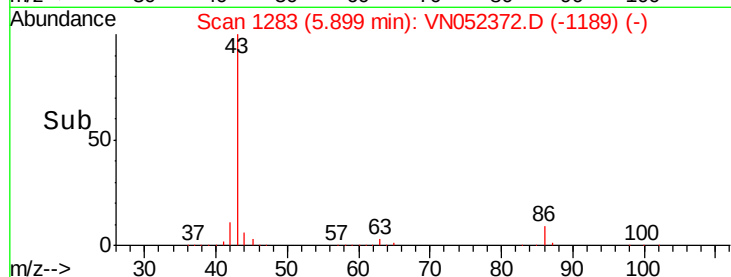
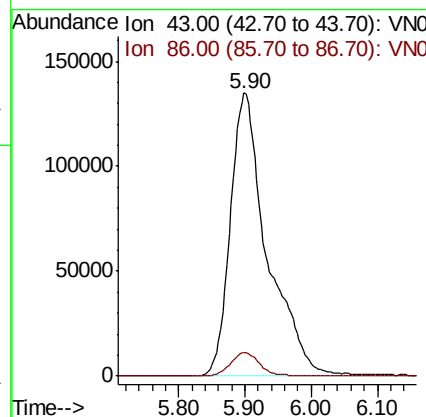
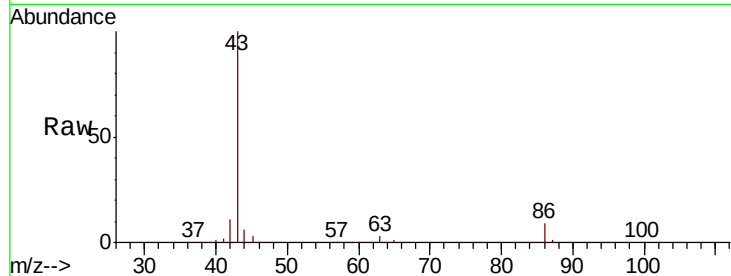
86 8.6 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.556 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

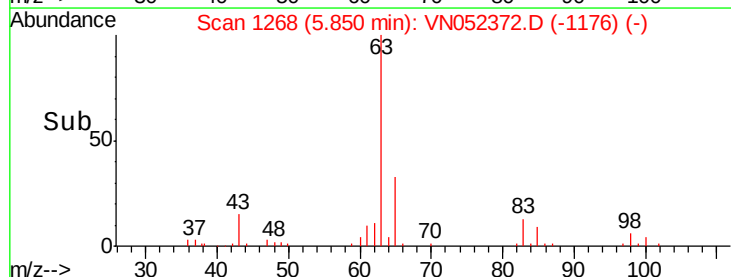
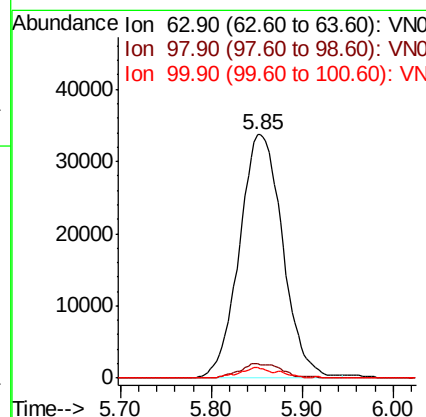
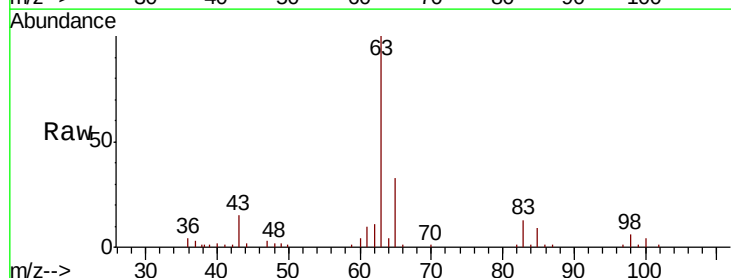
Tgt Ion: 63 Resp: 111252

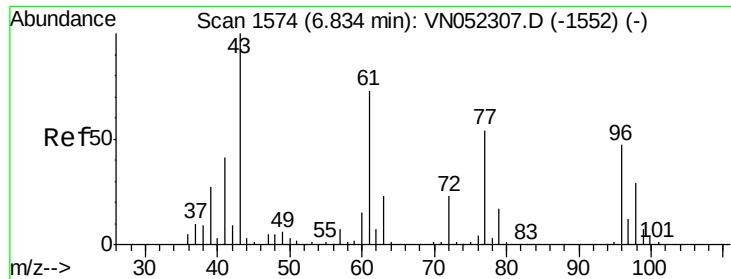
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 4.3 1.9 5.7





#25

2-Butanone

Concen: 90.055 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD02

Tot Ion: 43 Resp: 121257

Ion Ratio Lower Upper

43 100

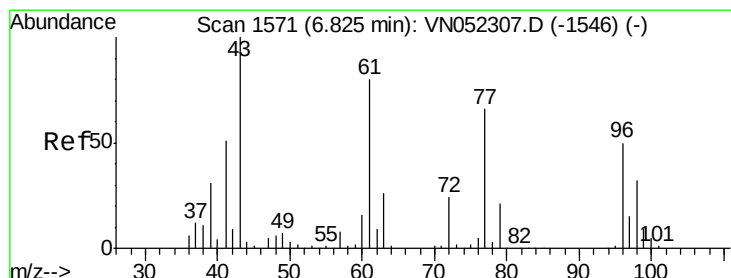
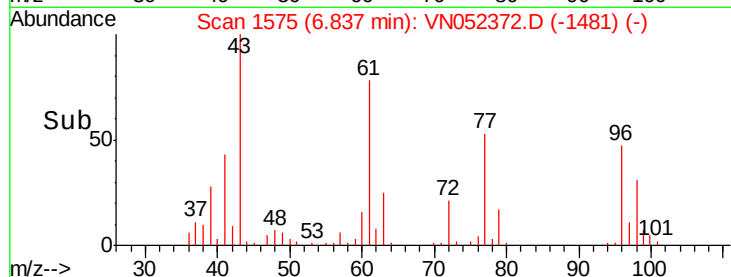
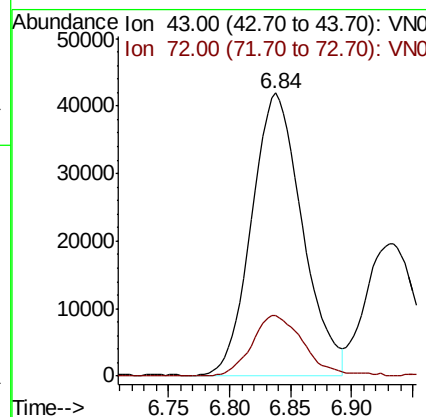
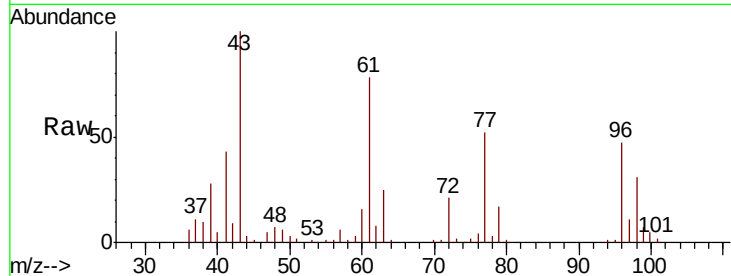
72 21.3 18.6 27.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.845 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN052372.D

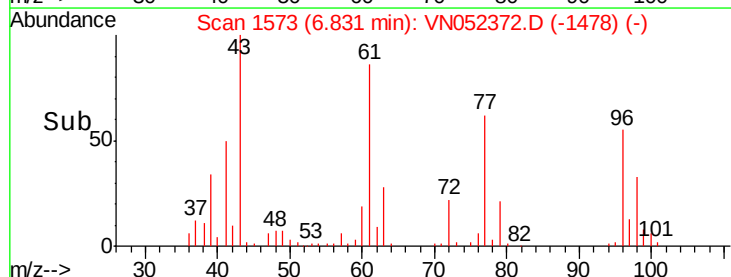
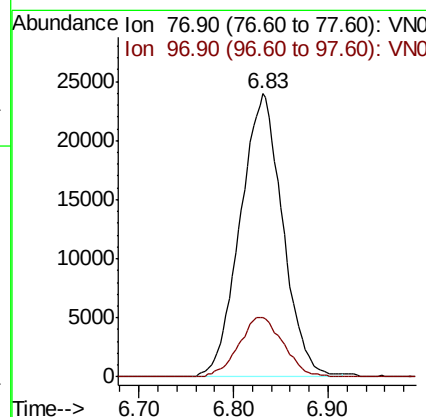
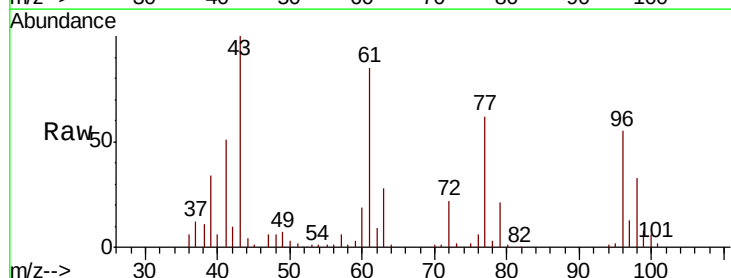
Acq: 16 Nov 2018 18:33

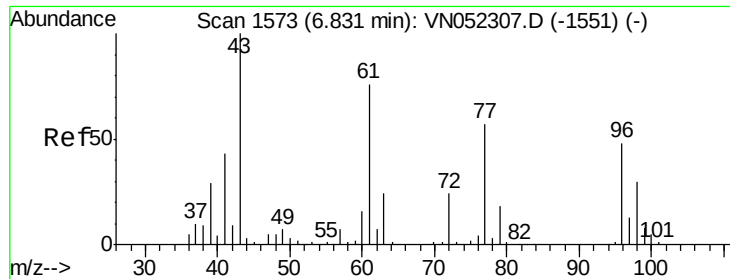
Tgt Ion: 77 Resp: 74646

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1





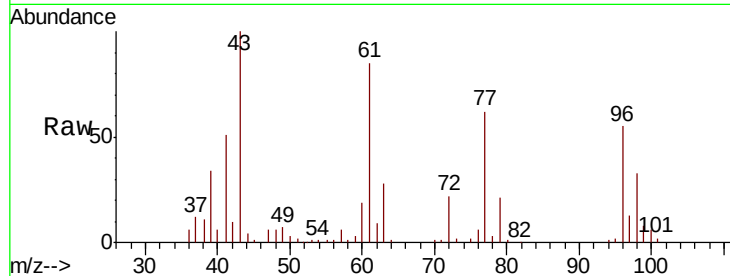
#27
 cis-1,2-Dichloroethene
 Concen: 18.904 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.8	0.0	316.8
98	64.7	0.0	126.6

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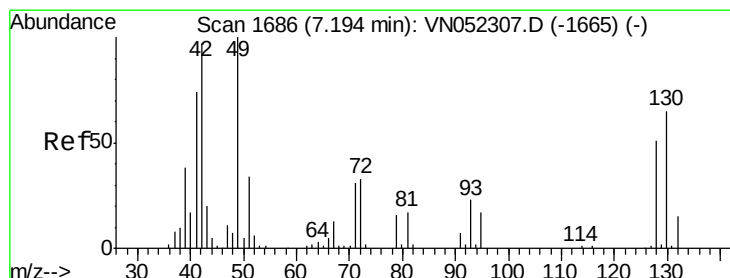
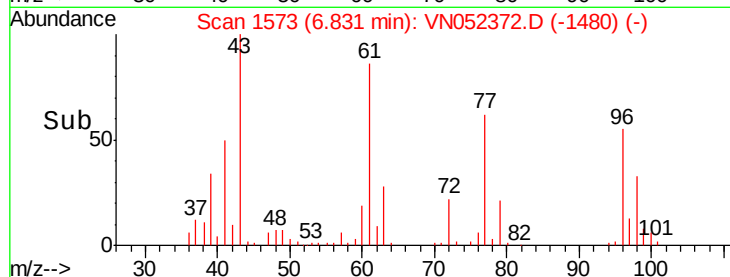
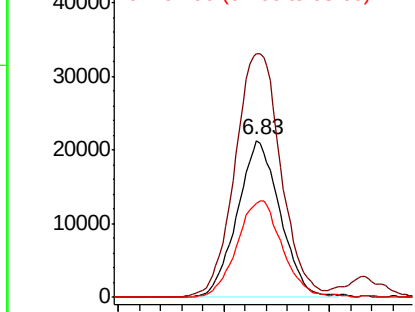


Abundance

Ion 95.90 (95.60 to 96.60): VN0

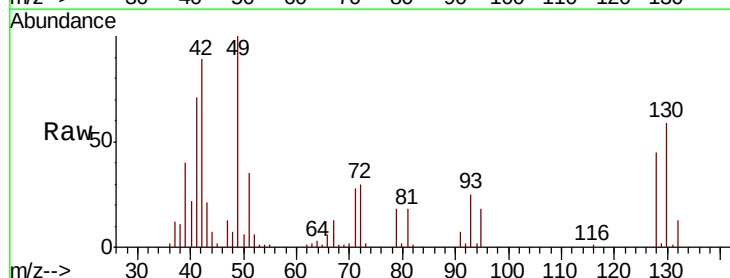
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28
 Bromochloromethane
 Concen: 19.439 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	61.7	50.4	75.6

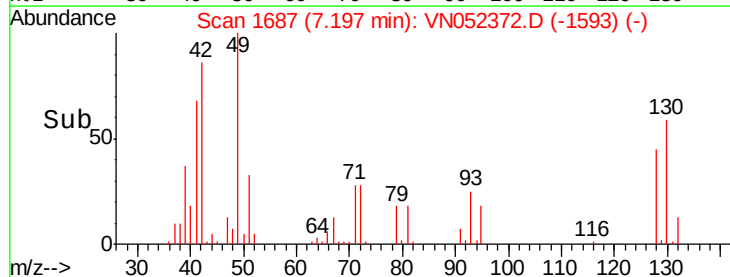
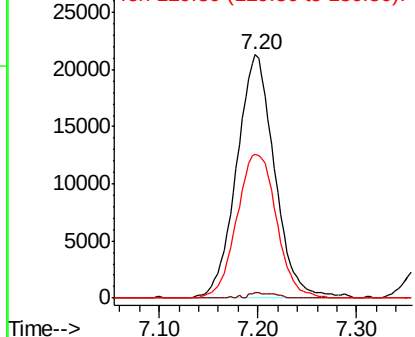


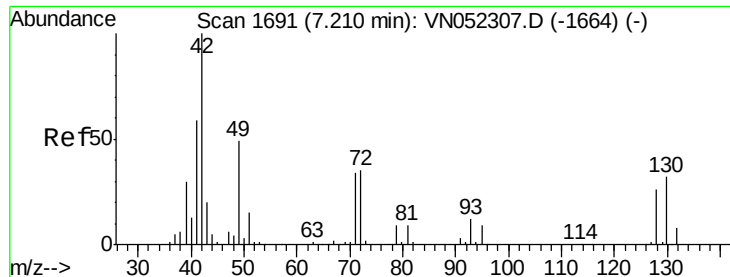
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





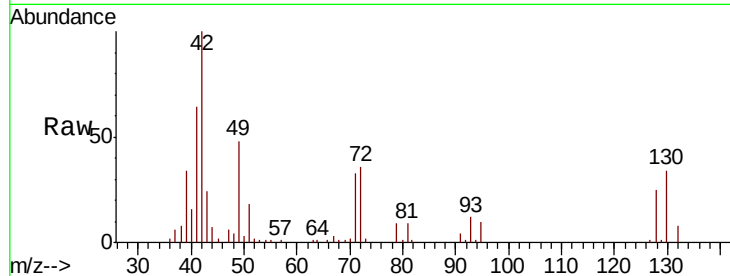
#29
Tetrahydrofuran
Concen: 88.612 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	28.6	42.8
71	34.3	26.7	40.1

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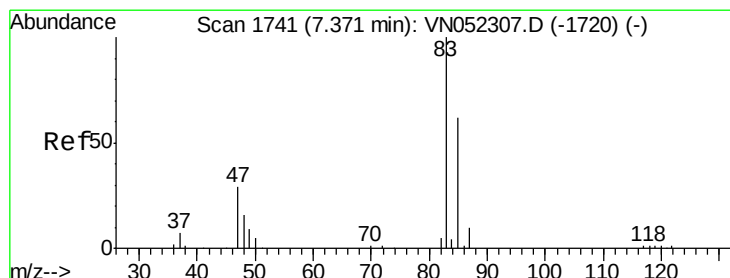
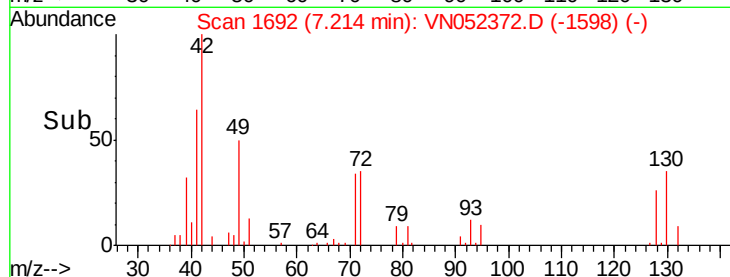
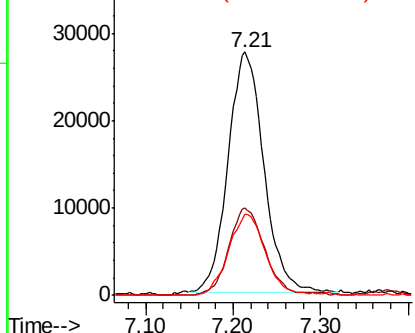


Abundance

Ion 42.00 (41.70 to 42.70): VN0

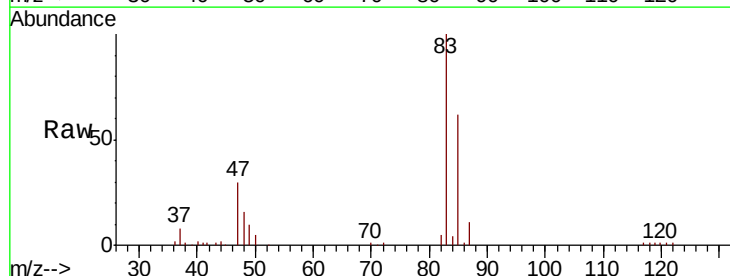
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30
Chloroform
Concen: 20.309 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

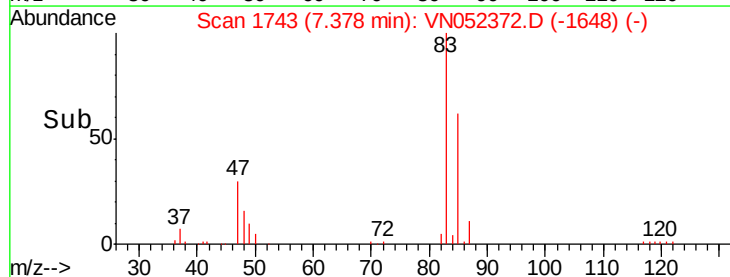
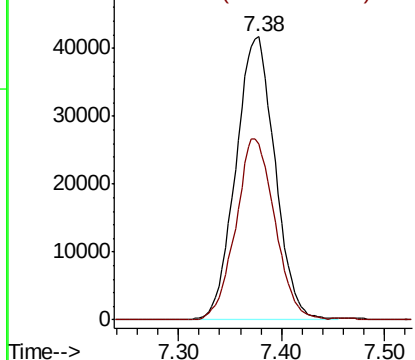
Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.4	74.2

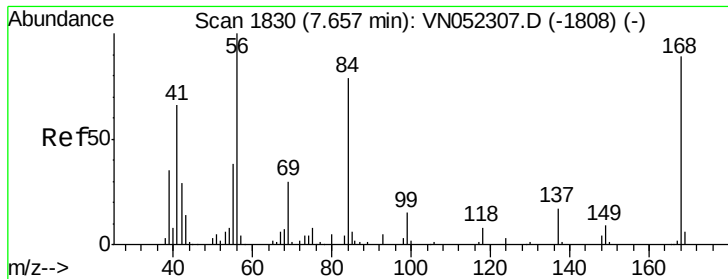


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





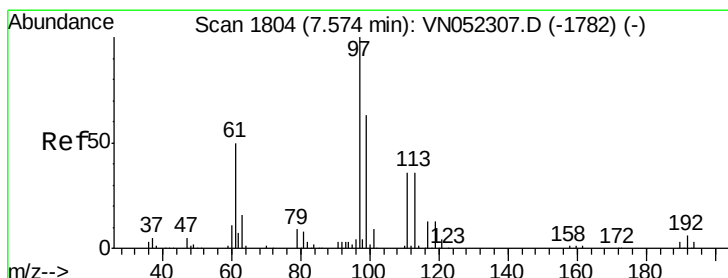
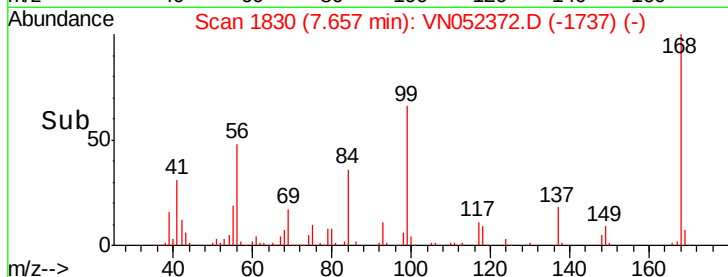
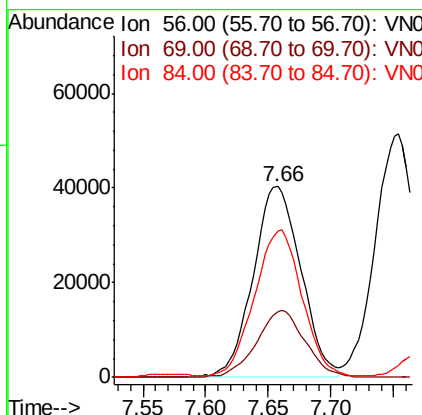
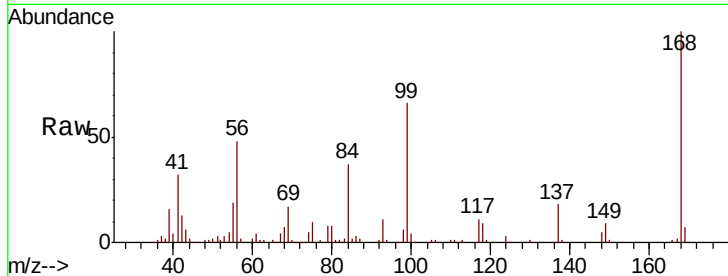
#31
Cyclohexane
Concen: 19.621 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	23.8	35.8
84	74.9	63.0	94.6

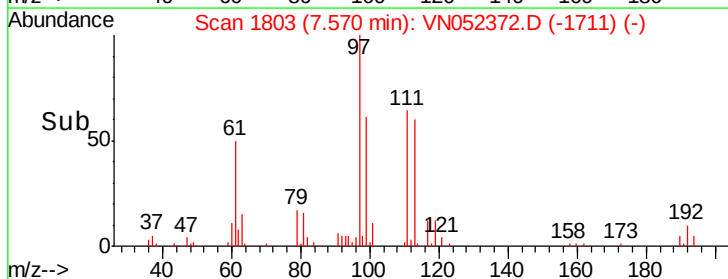
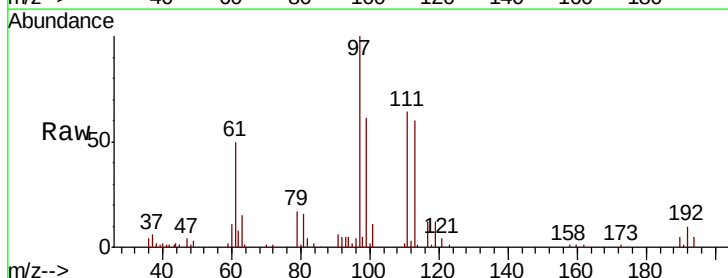
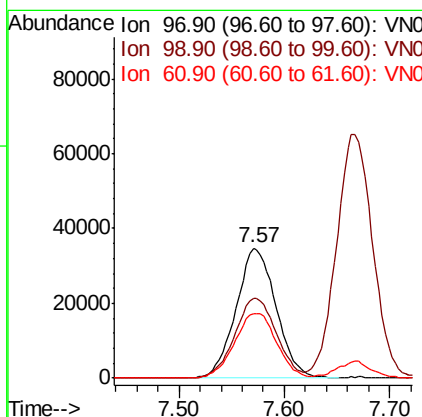
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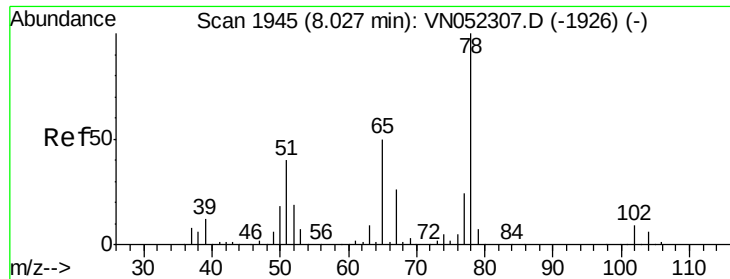
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#32
1,1,1-Trichloroethane
Concen: 19.826 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.2	75.2
61	52.5	40.2	60.4





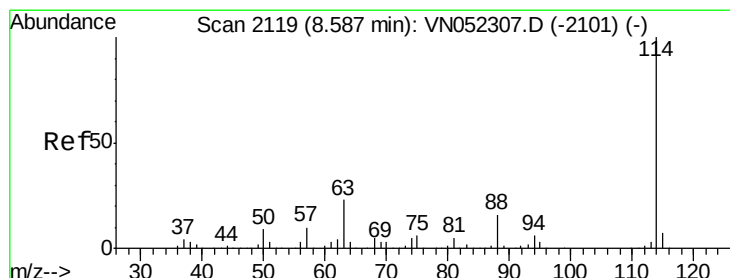
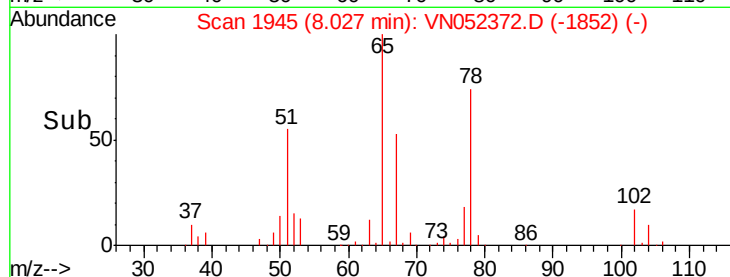
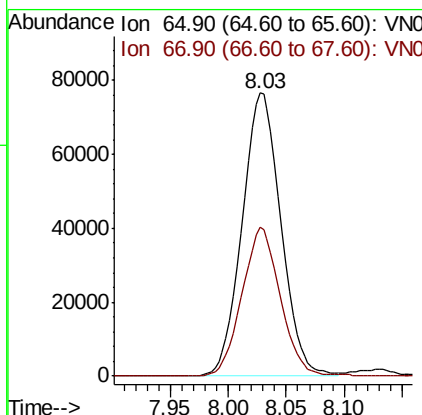
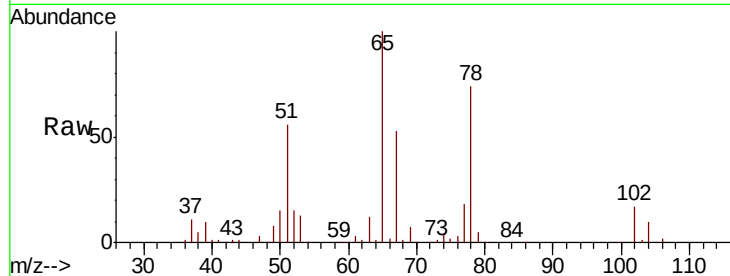
#33
 1,2-Dichloroethane-d4
 Concen: 19.826 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	178371		
67	52.1	0.0	105.2	

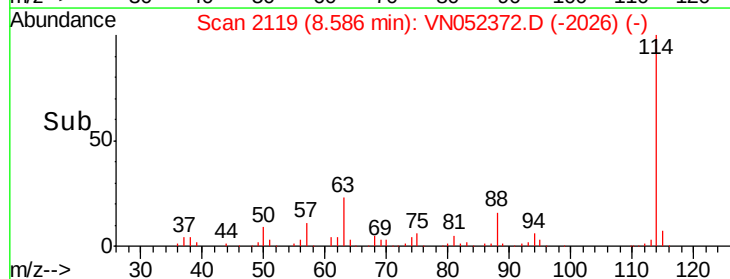
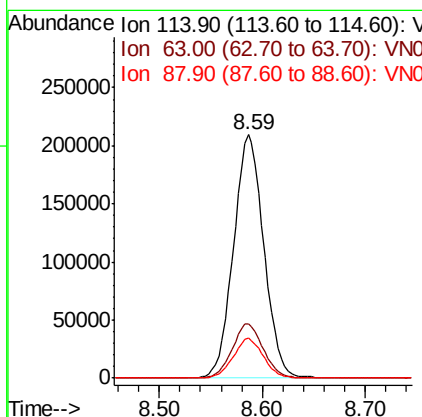
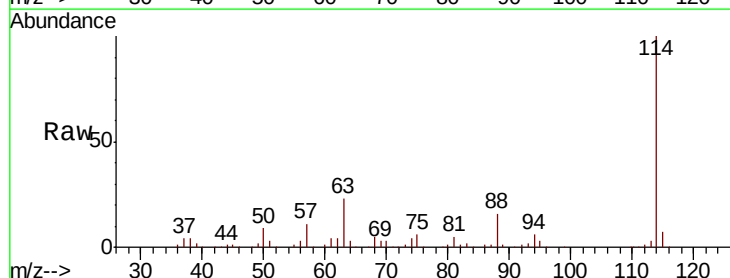
Manual Integrations
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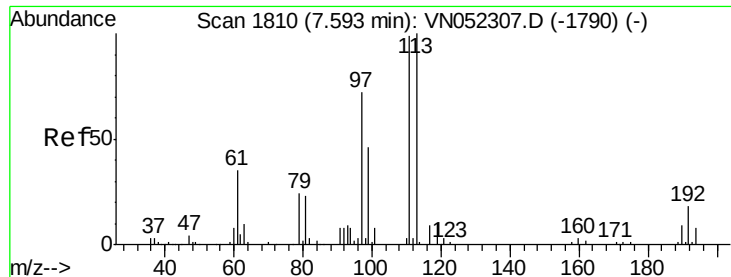
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 11/19/2018 12:46:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	427782		
63	22.5	0.0	45.4	
88	16.3	0.0	31.2	





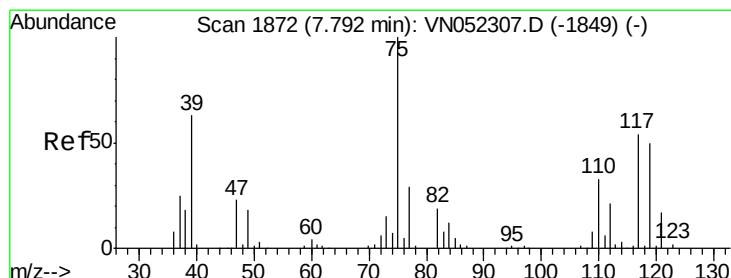
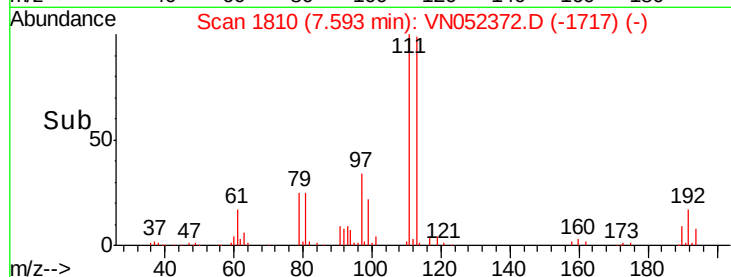
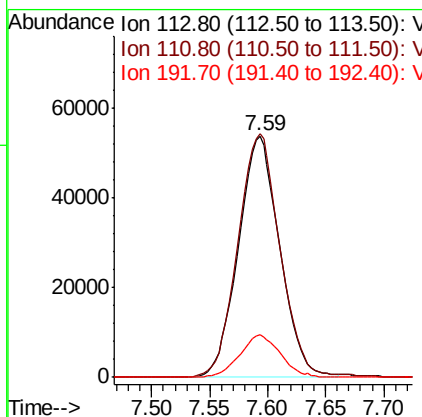
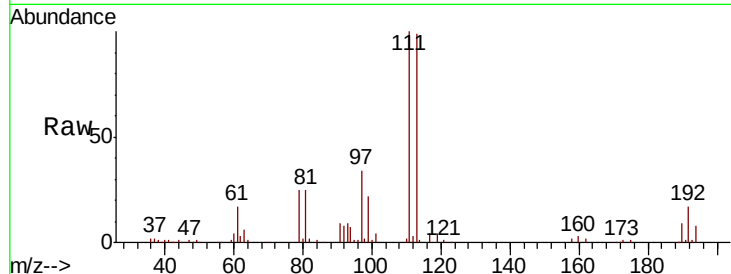
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133184		
111	103.3	81.0	121.6	
192	17.4	13.8	20.6	

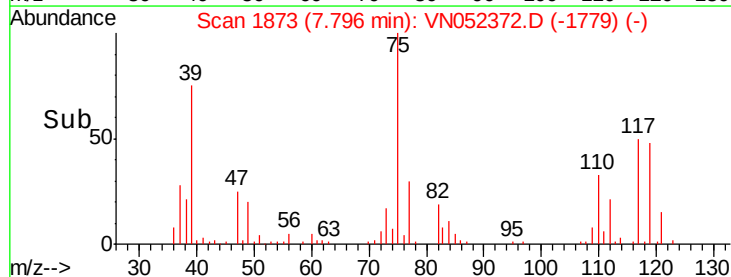
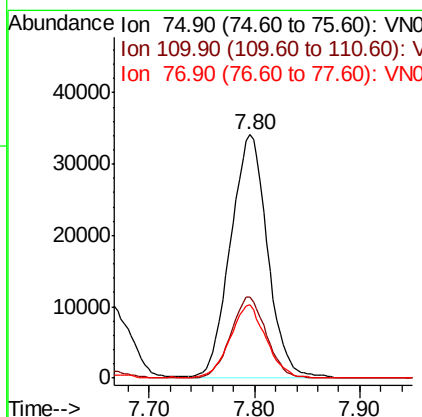
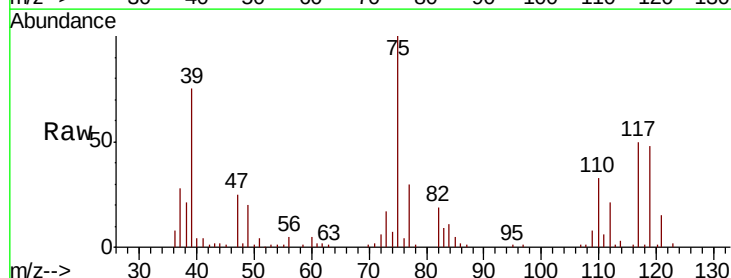
Manual Integrations
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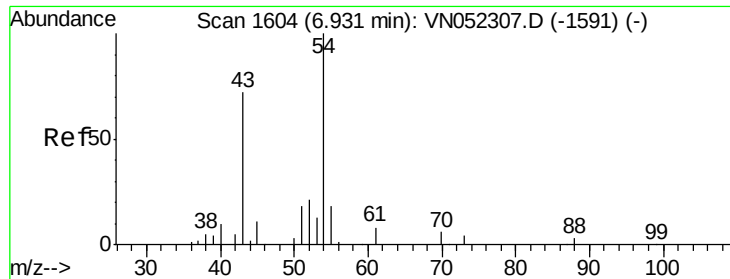
MMDadoda
 11/19/2018 12:46:22 PM



#36
 1,1-Dichloropropene
 Concen: 19.425 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83288		
110	31.8	16.5	49.5	
77	29.3	24.2	36.2	





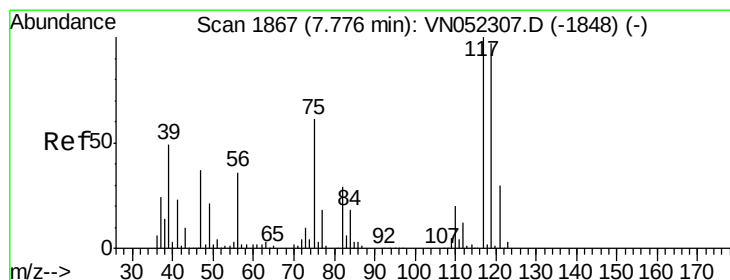
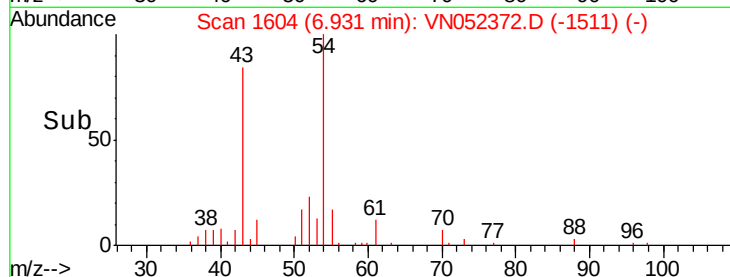
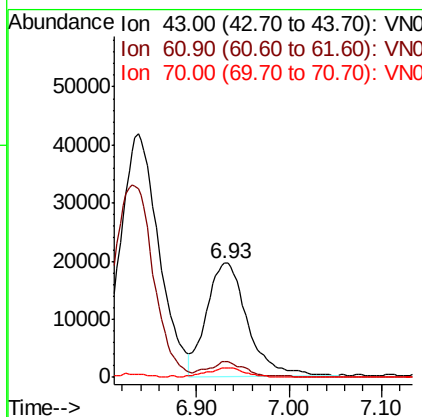
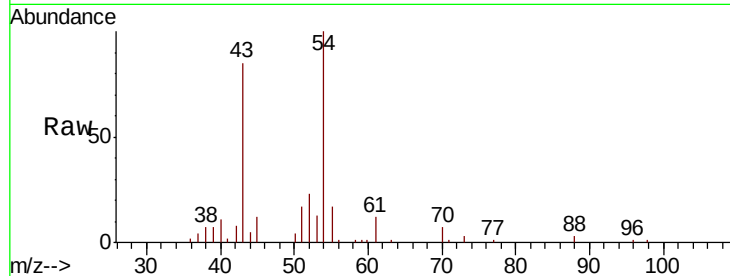
#37
Ethyl Acetate
Concen: 19.027 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.7	10.3	15.5
70	7.8	5.6	8.4

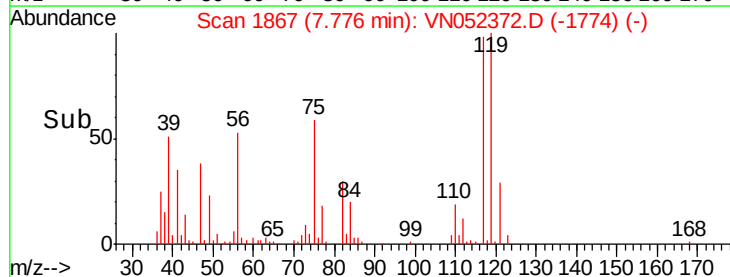
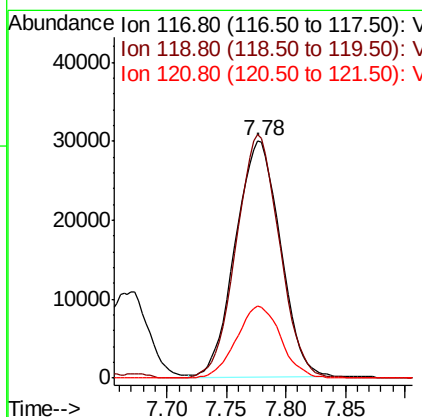
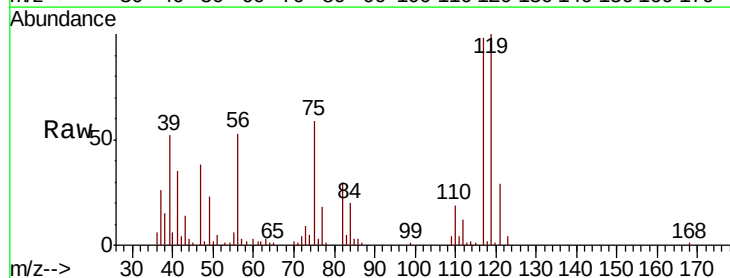
Manual Integrations
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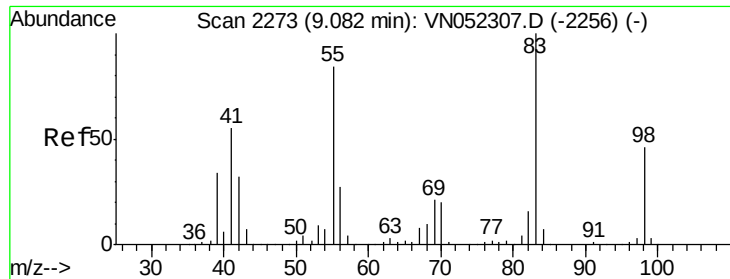
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.847 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.0	77.4	116.0
121	30.3	24.0	36.0





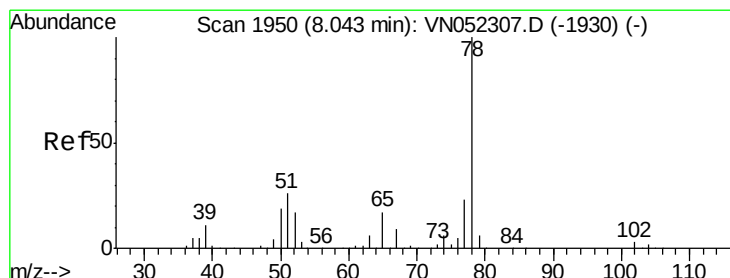
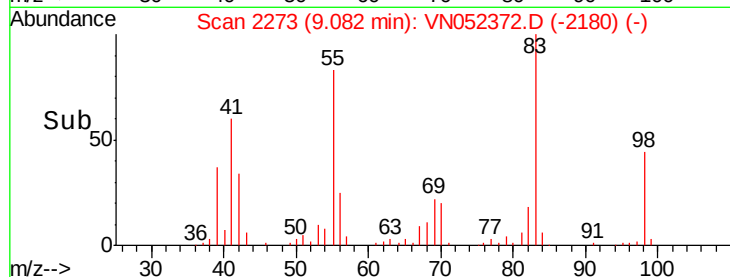
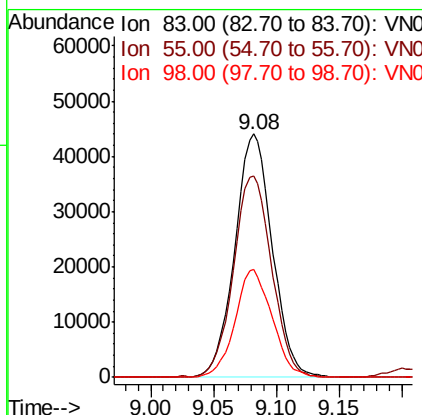
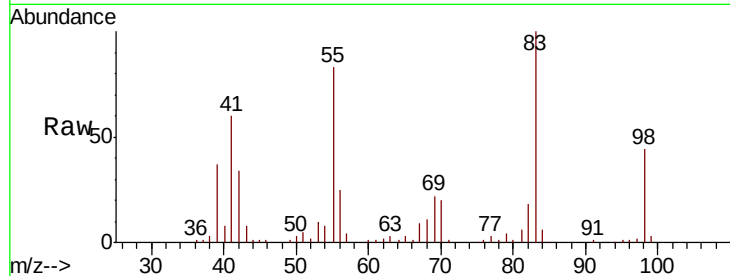
#39
Methvlcvclohexane
Concen: 18.698 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	66.8	100.2
98	44.2	36.4	54.6

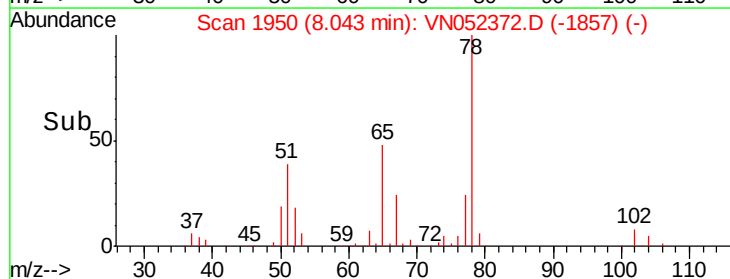
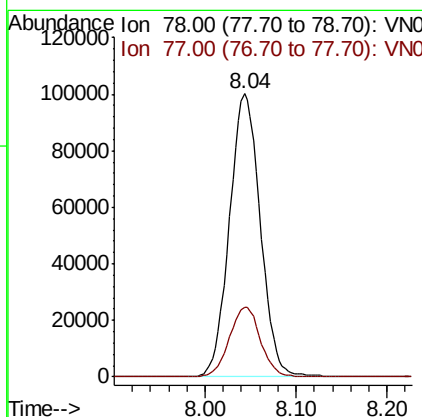
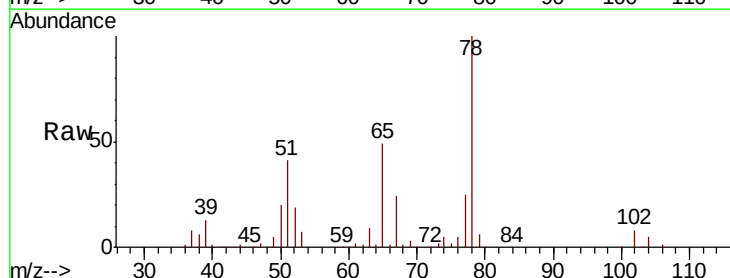
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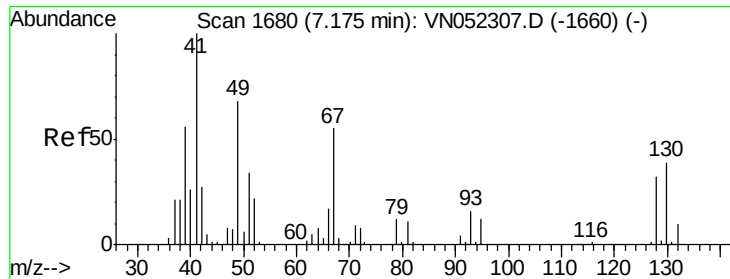
MMDadoda
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#40
Benzene
Concen: 19.254 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.7	28.1





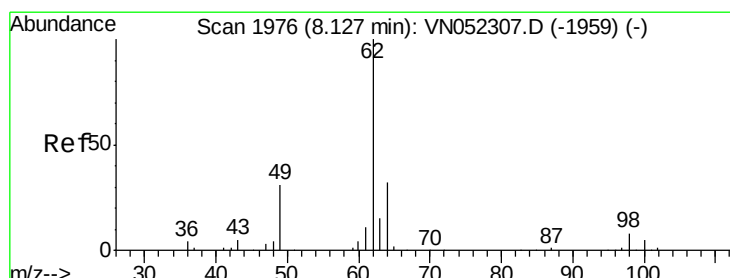
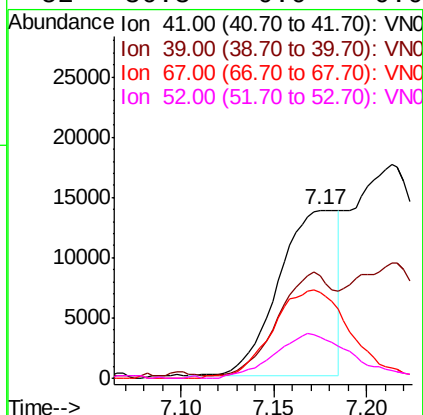
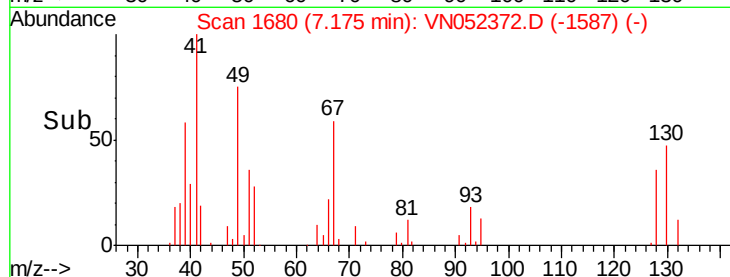
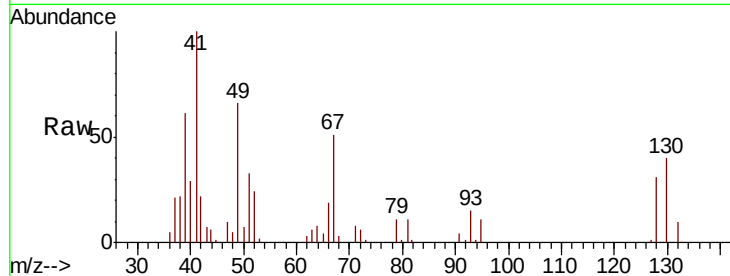
#41
Methacrylonitrile
Concen: 19.806 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.4	0.0	0.0#
67	70.7	0.0	0.0#
52	36.3	0.0	0.0#

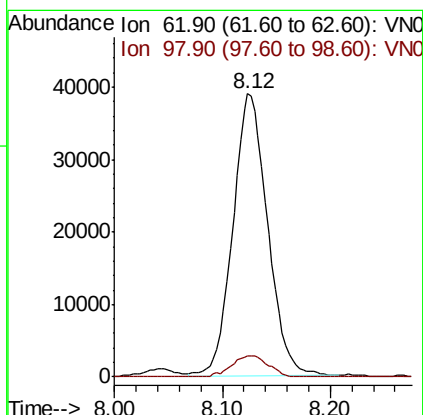
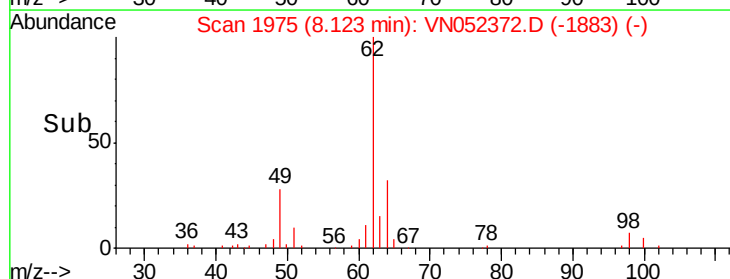
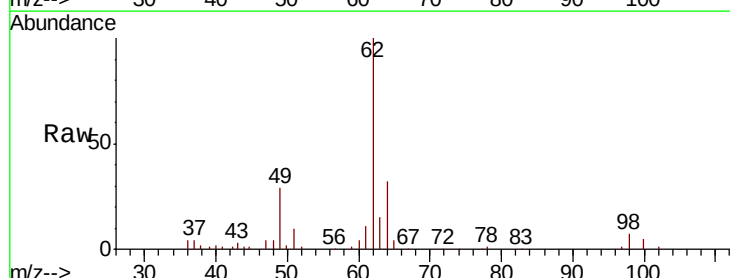
Manual Integrations
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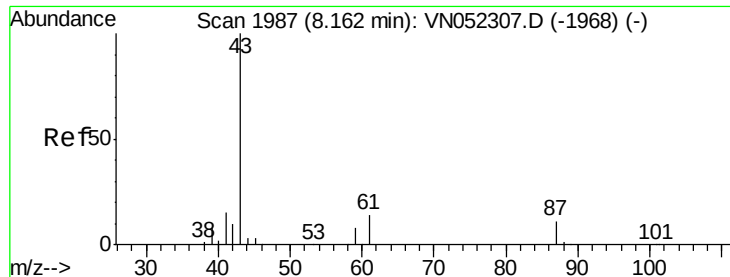
MMDadoda
11/19/2018 12:46:22 PM



#42
1,2-Dichloroethane
Concen: 20.024 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





#43

Isopropyl Acetate

Concen: 18.376 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

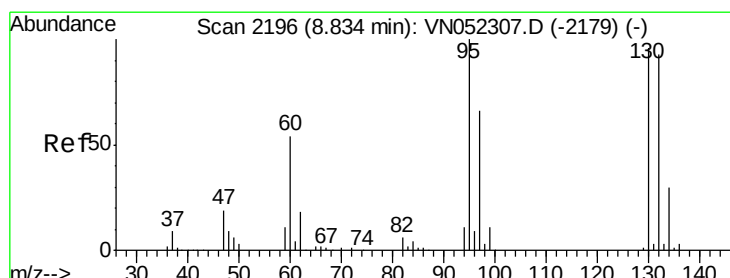
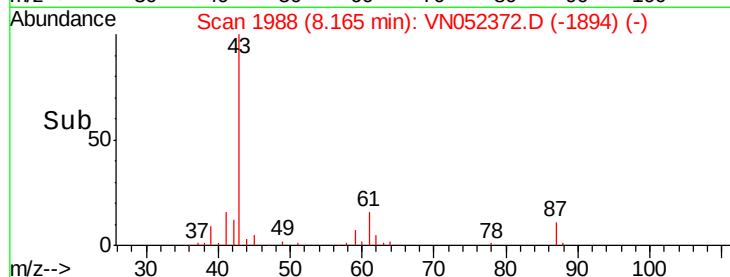
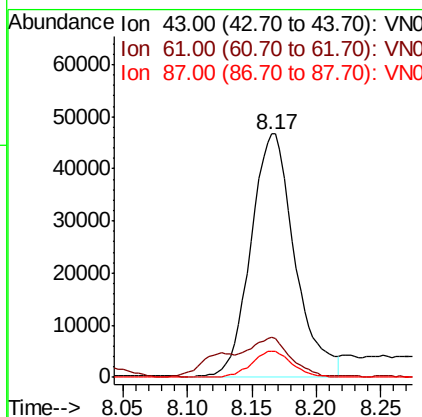
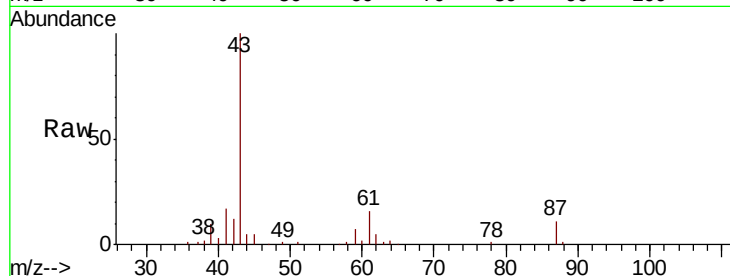
ClientSampleId :

VN1116WBSD02

Tot Ion:	43	Resp:	110342
Ion	Ratio	Lower	Upper
43	100		
61	13.1	12.0	18.0
87	10.0	8.3	12.5

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#44

Trichloroethene

Concen: 19.829 ug/l

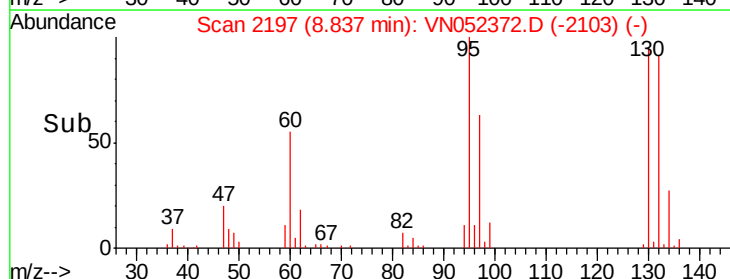
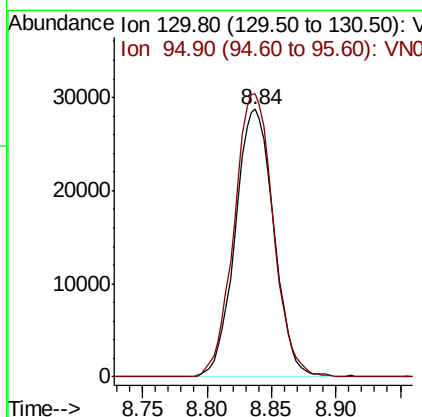
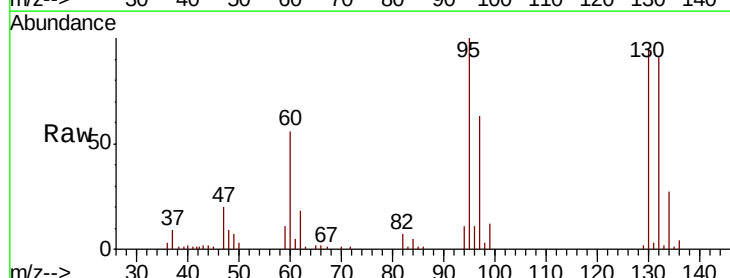
RT: 8.84 min Scan# 2197

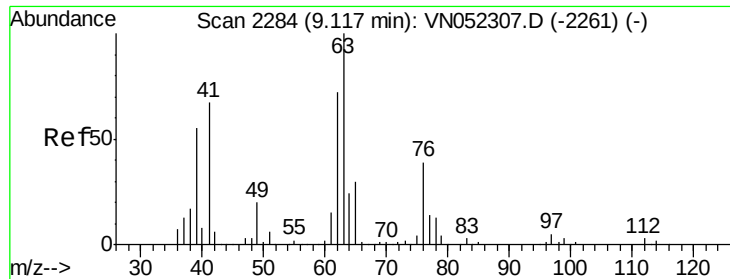
Delta R.T. 0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Tgt Ion:	130	Resp:	59827
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	208.4





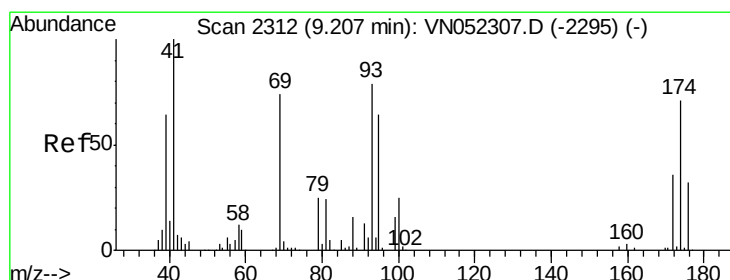
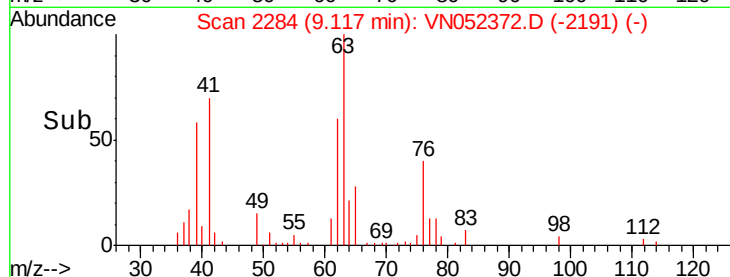
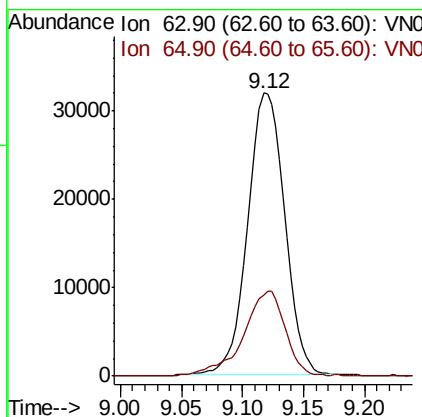
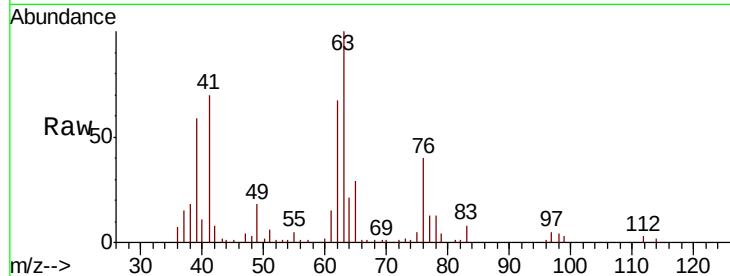
#45
 1,2-Dichloropropane
 Concen: 19.218 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion: 63 Resp: 66806
 Ion Ratio Lower Upper
 63 100
 65 28.5 24.2 36.4

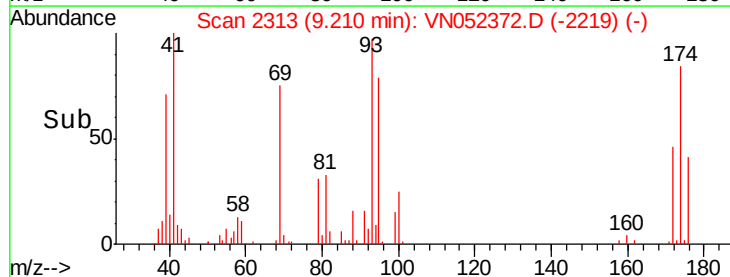
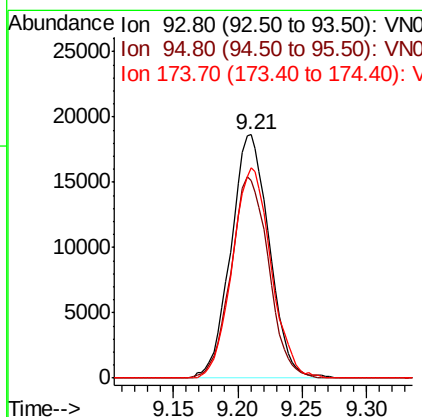
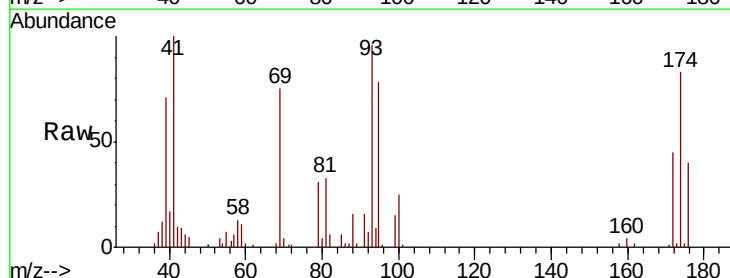
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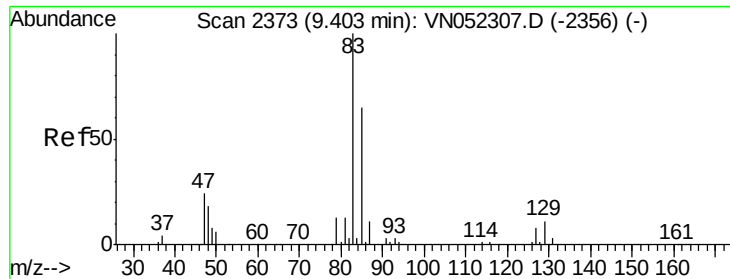
MMDadoda
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#46
 Dibromomethane
 Concen: 19.192 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion: 93 Resp: 38622
 Ion Ratio Lower Upper
 93 100
 95 81.1 64.2 96.2
 174 87.0 70.9 106.3





#47

Bromodichloromethane

Concen: 20.040 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

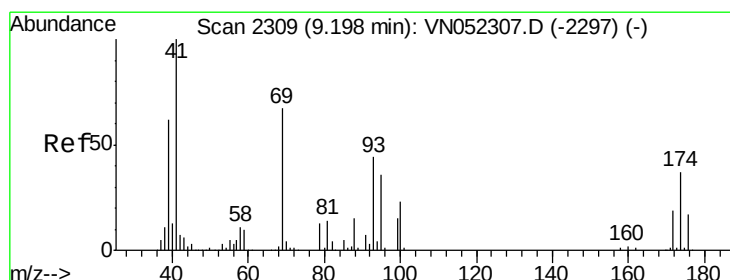
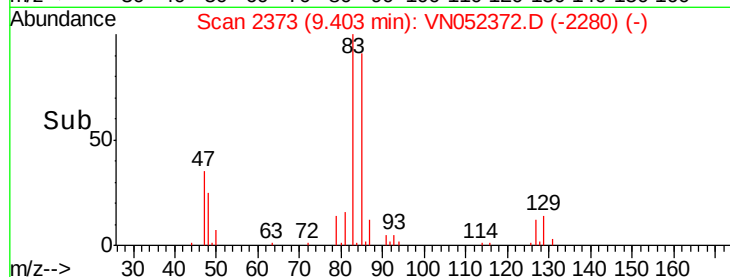
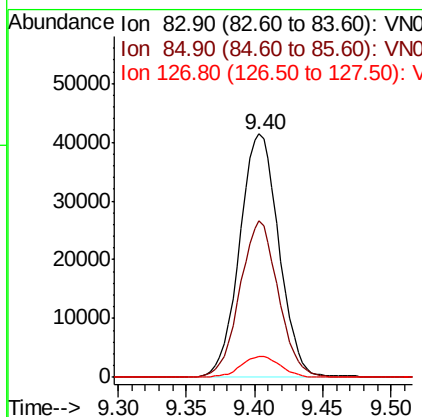
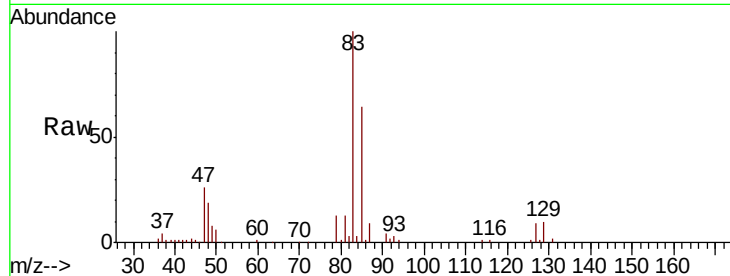
ClientSampleId :

VN1116WBSD02

Tot Ion:	83	Resp:	82756
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.2	78.4
127	8.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.129 ug/l

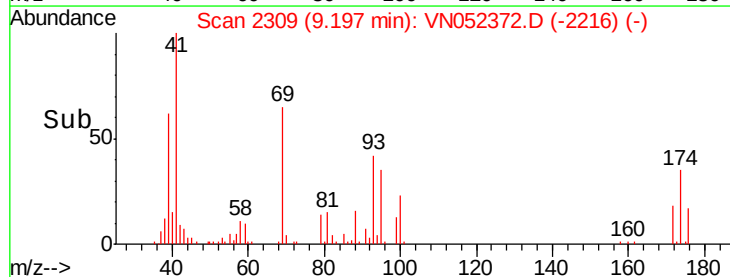
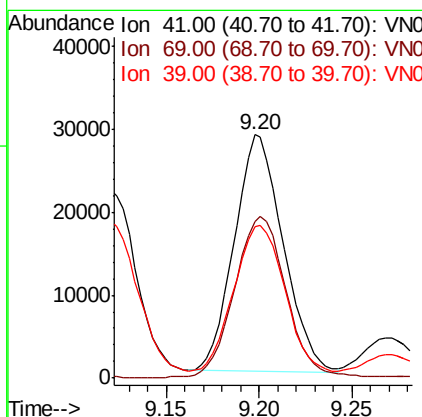
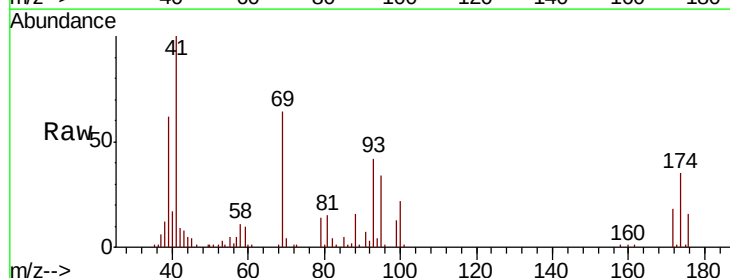
RT: 9.20 min Scan# 2309

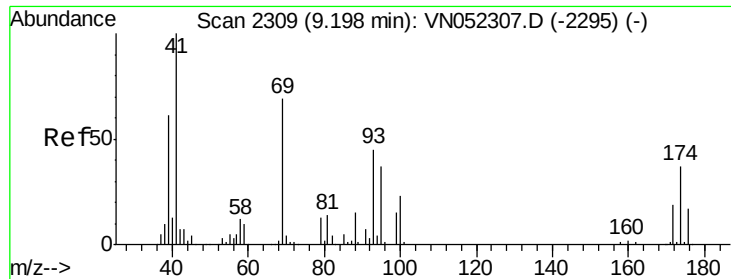
Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Tgt Ion:	41	Resp:	52188
Ion Ratio	Lower	Upper	
41	100		
69	73.0	57.1	85.7
39	68.4	52.5	78.7





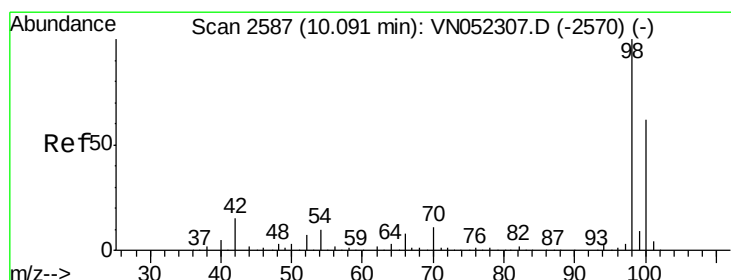
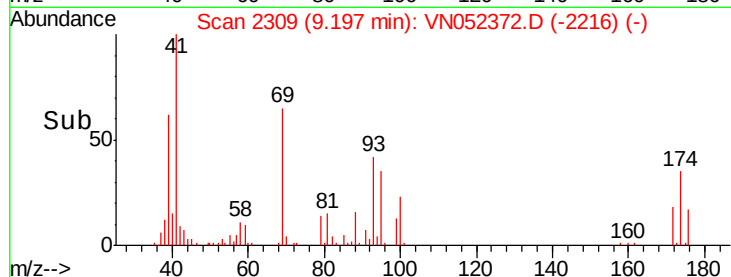
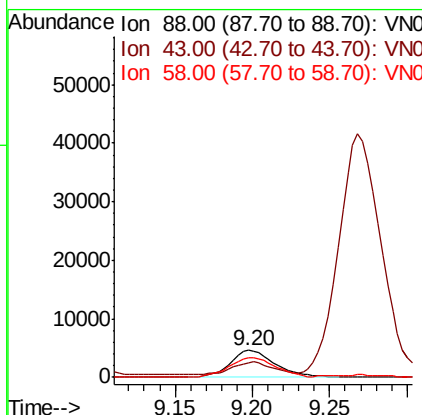
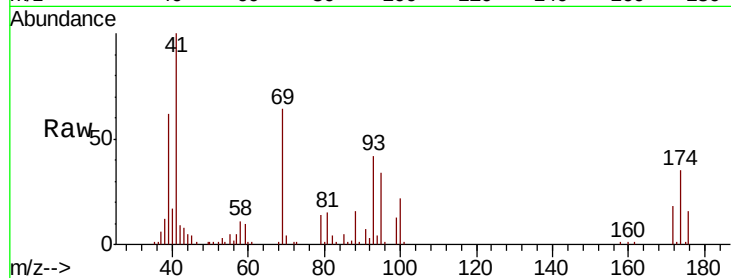
#49
1,4-Dioxane
Concen: 394.756 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.3	33.3	49.9
58	76.2	59.2	88.8

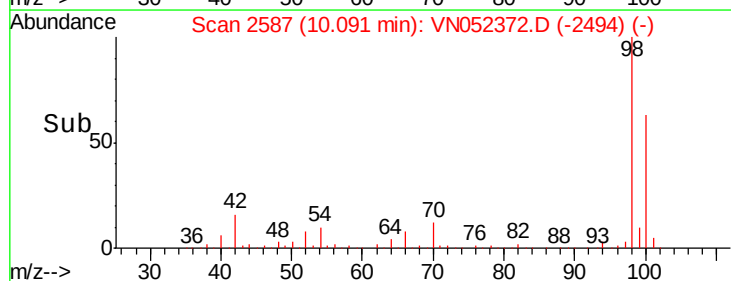
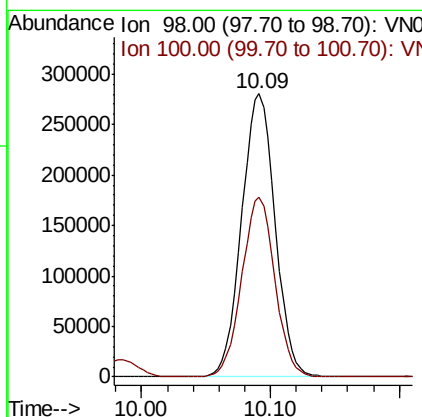
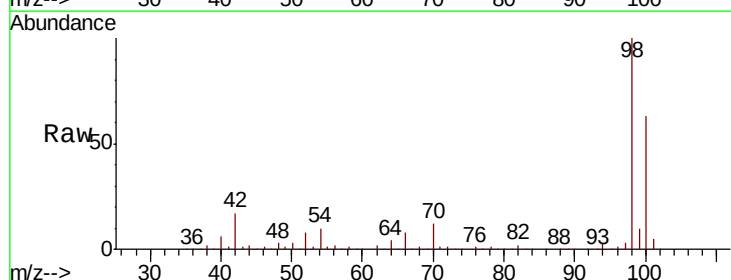
Manual Integrations
APPROVED

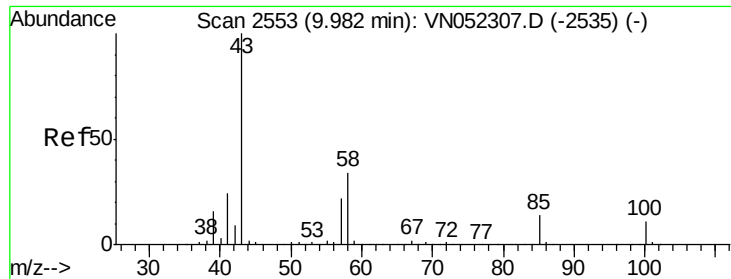
MMDadoda
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#50
Toluene-d8
Concen: 394.756 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	49.5	74.3





#51

4-Methyl-2-Pentanone

Concen: 92.398 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD02

Tot Ion: 43 Resp: 279276

Ion Ratio Lower Upper

43 100

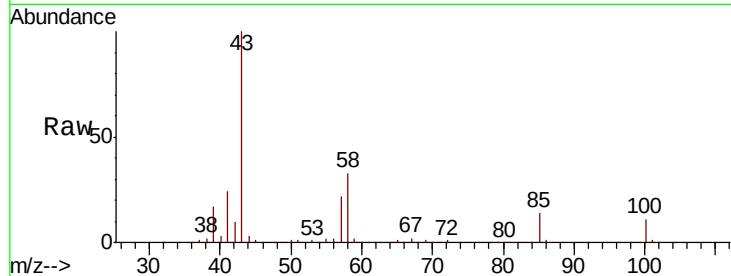
58 33.7 27.0 40.6

Manual Integrations

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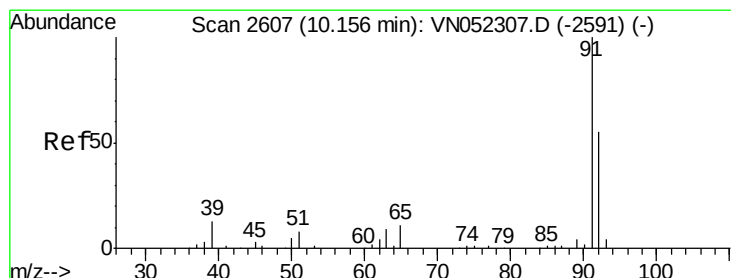
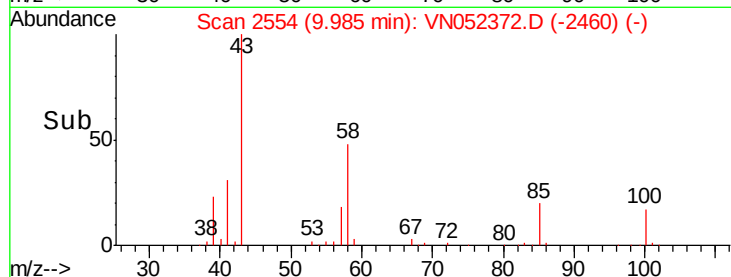
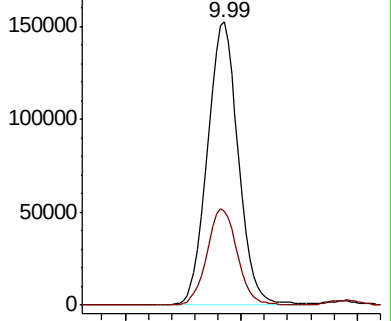
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.227 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052372.D

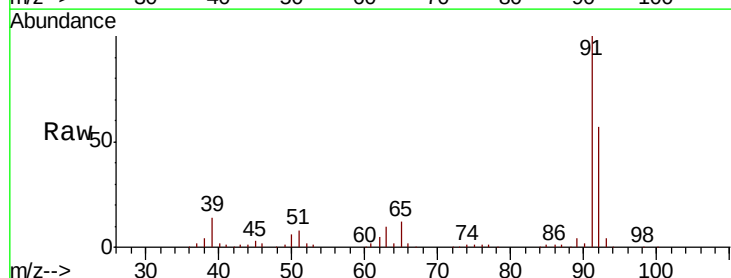
Acq: 16 Nov 2018 18:33

Tgt Ion: 92 Resp: 140882

Ion Ratio Lower Upper

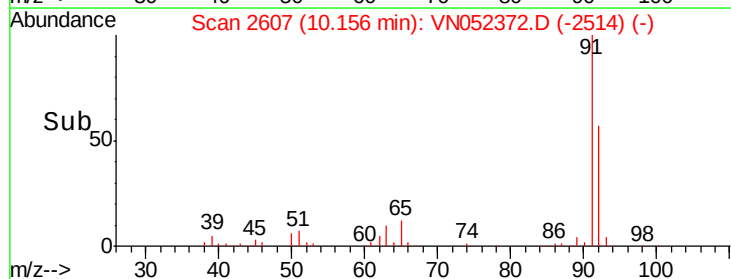
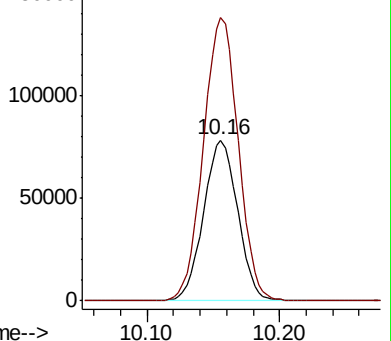
92 100

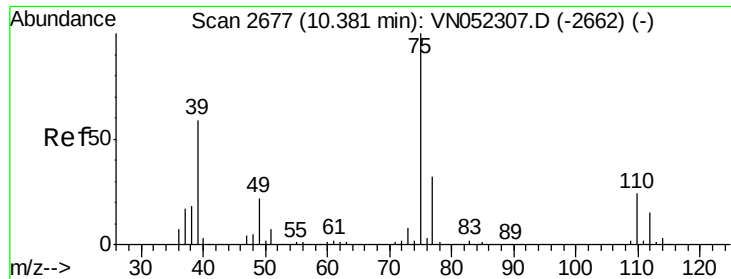
91 179.1 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





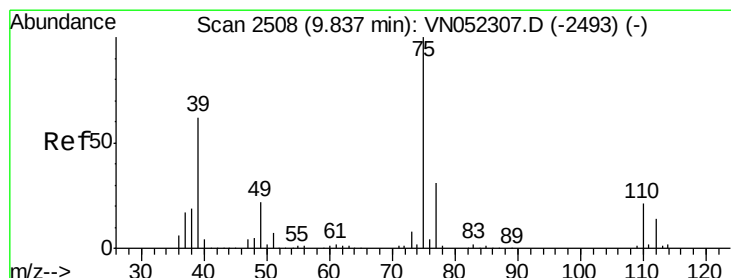
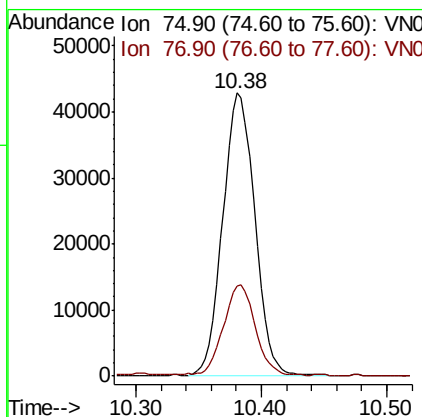
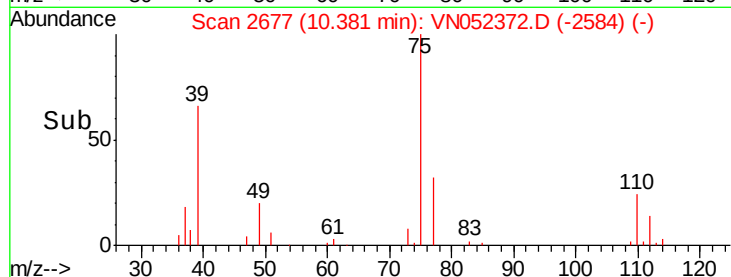
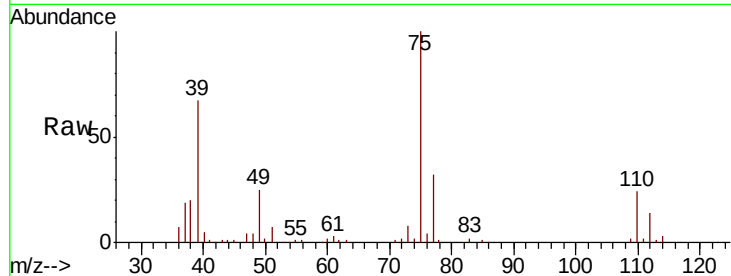
#53
t-1,3-Dichloropropene
Concen: 18.363 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion: 75 Resp: 76481
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5

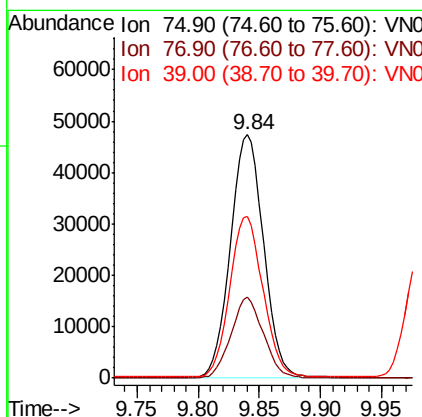
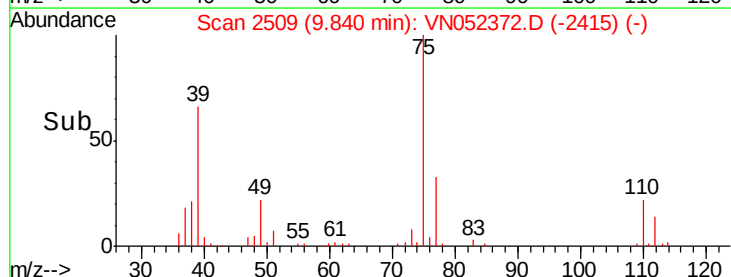
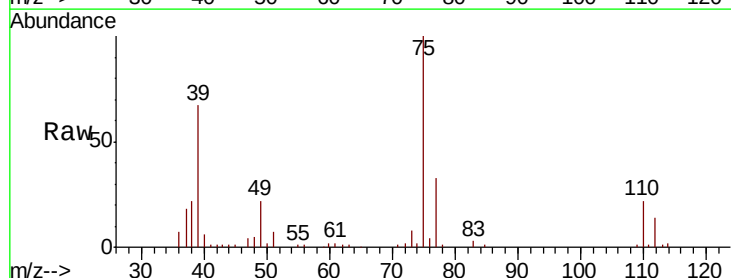
Manual Integrations
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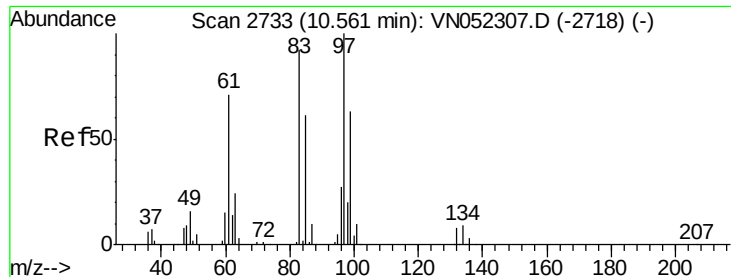
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#54
cis-1,3-Dichloropropene
Concen: 18.906 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion: 75 Resp: 89764
Ion Ratio Lower Upper
75 100
77 33.2 24.6 36.8
39 65.9 49.9 74.9





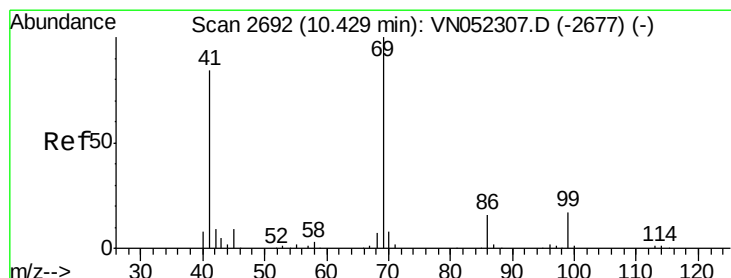
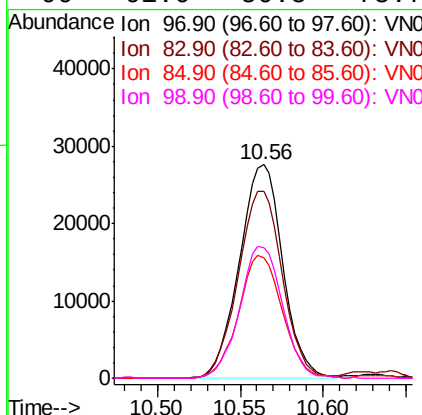
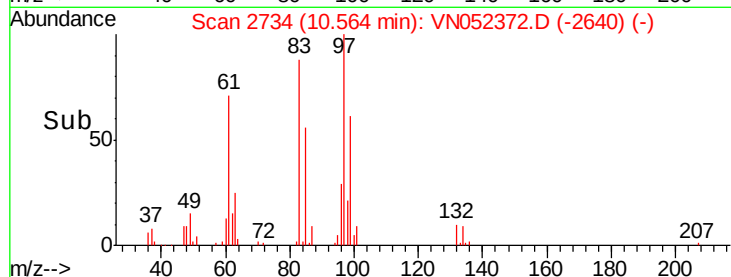
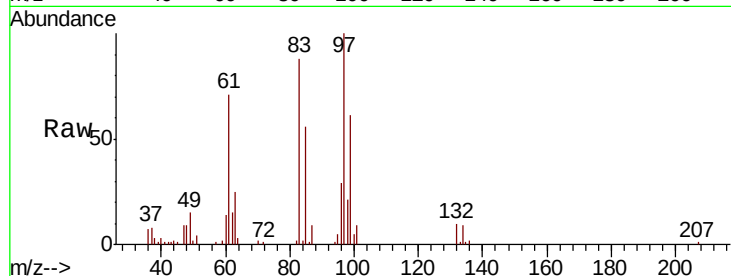
#55
 1,1,2-Trichloroethane
 Concen: 18.901 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.8	73.8	110.6
85	56.2	49.0	73.4
99	61.0	50.5	75.7

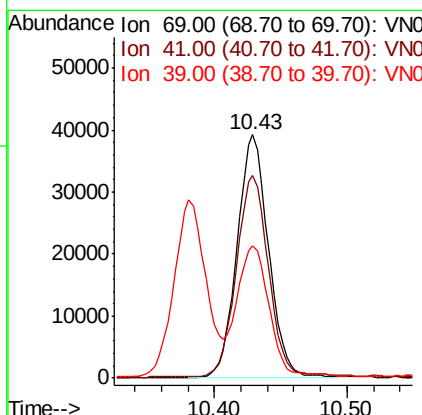
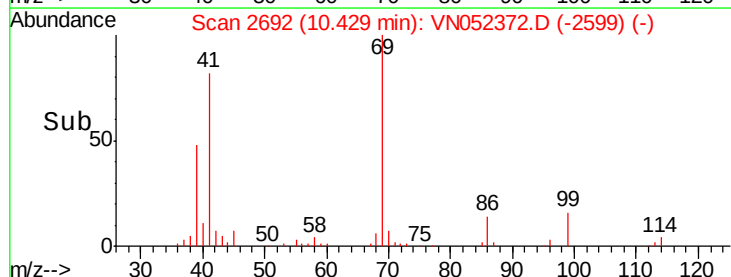
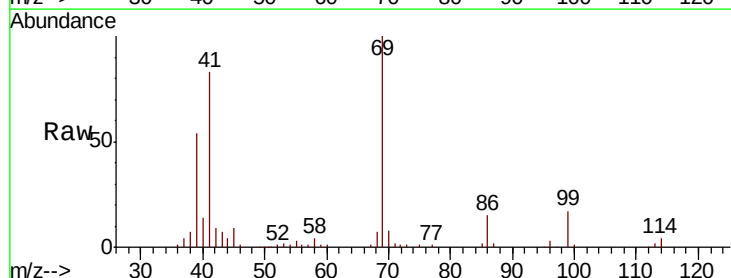
Manual Integrations
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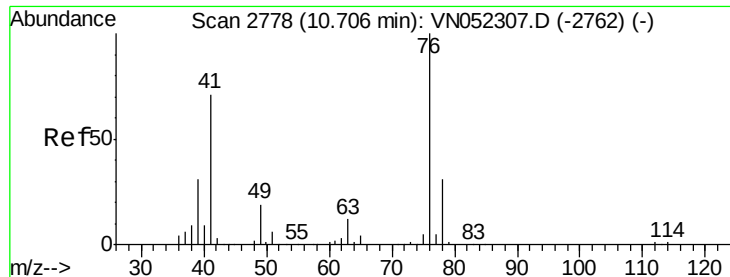
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#56
 Ethyl methacrylate
 Concen: 18.578 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.3	64.8	97.2
39	53.0	41.0	61.6





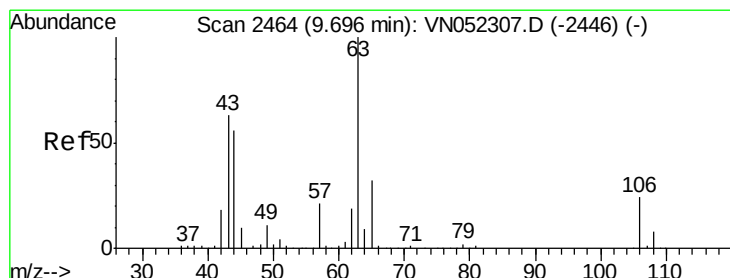
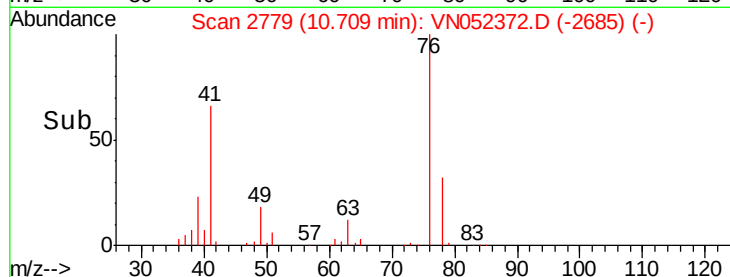
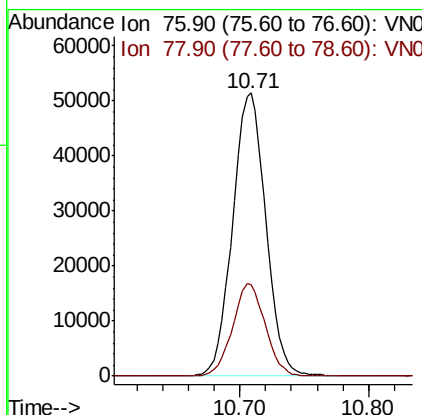
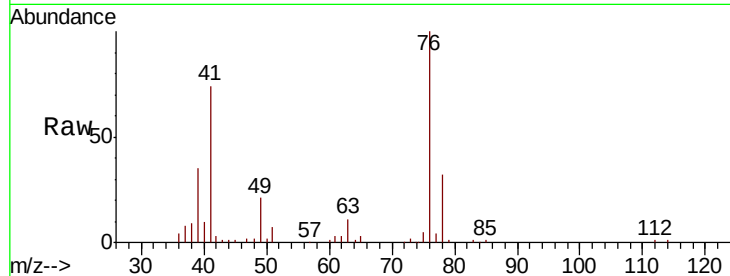
#57
 1,3-Dichloropropane
 Concen: 19.570 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion: 76 Resp: 92077
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

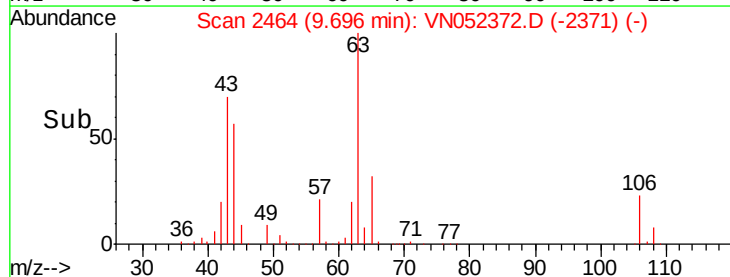
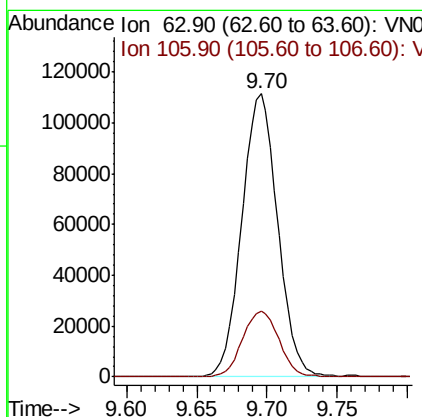
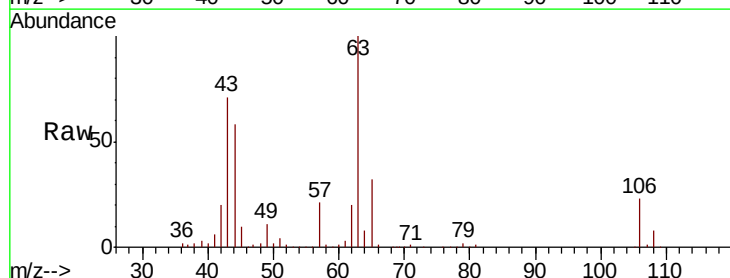
Manual Integrations
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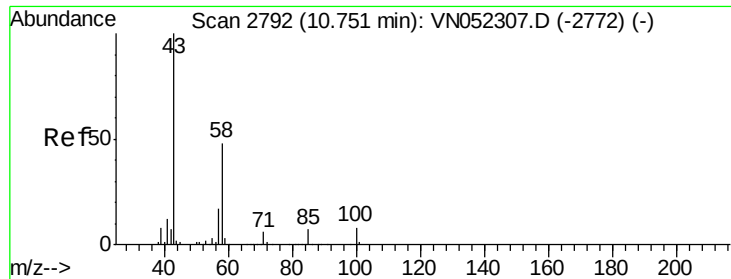
MMDadoda
 11/19/2018 12:46:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.922 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion: 63 Resp: 198733
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.3 28.9





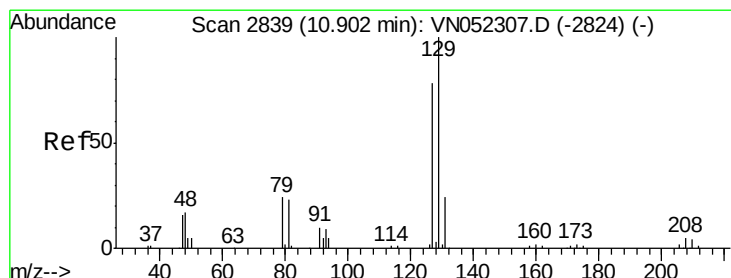
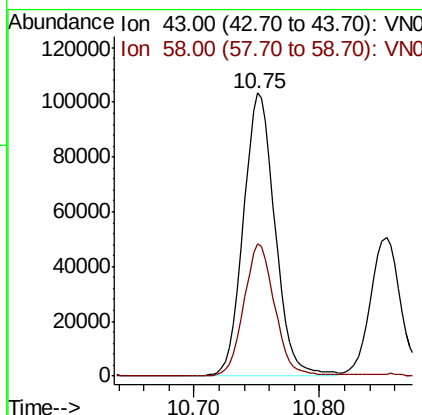
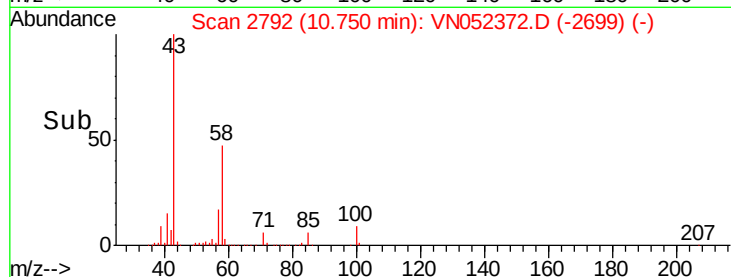
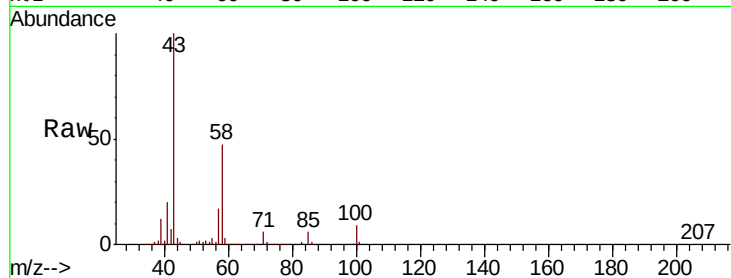
#59
2-Hexanone
Concen: 86.655 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion: 43 Resp: 180155
Ion Ratio Lower Upper
43 100
58 46.0 23.5 70.6

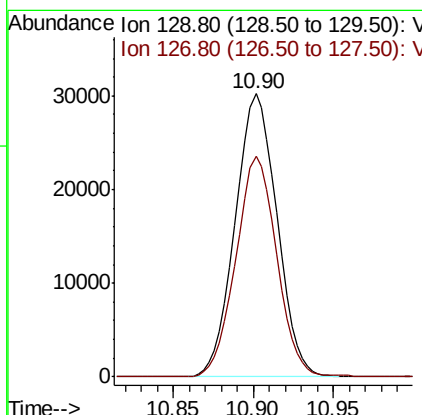
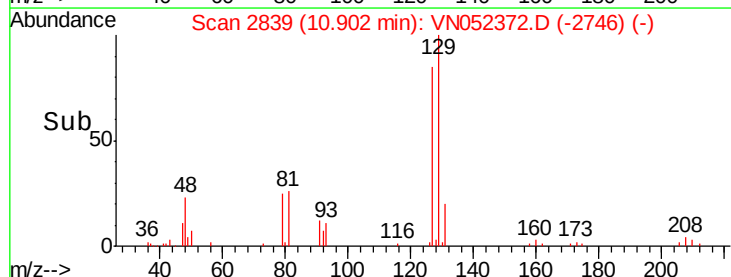
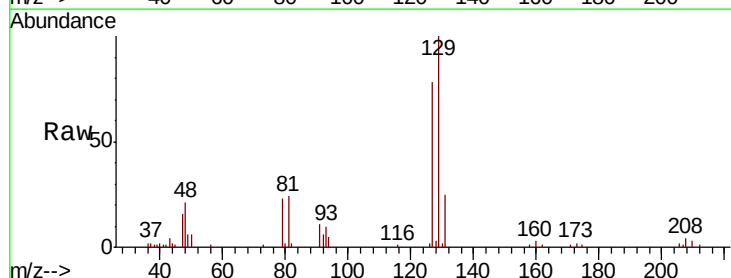
Manual Integrations
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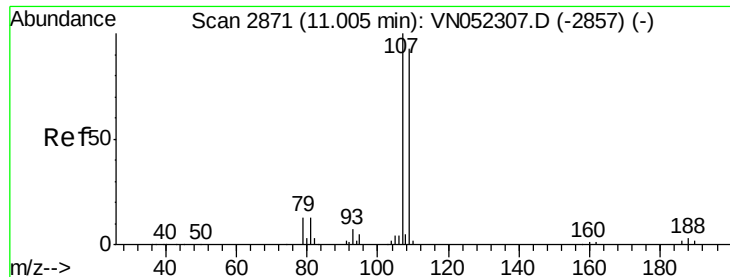
MMDadoda
11/19/2018 12:46:22 PM



#60
Dibromochloromethane
Concen: 18.709 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion: 129 Resp: 53770
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





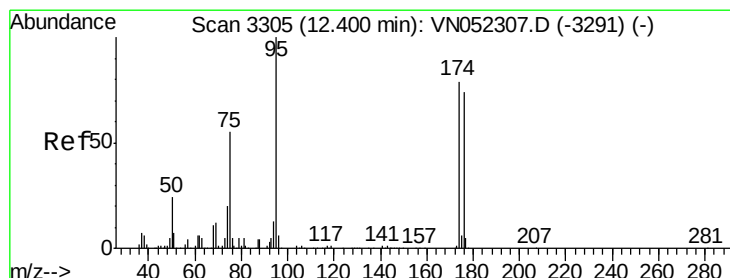
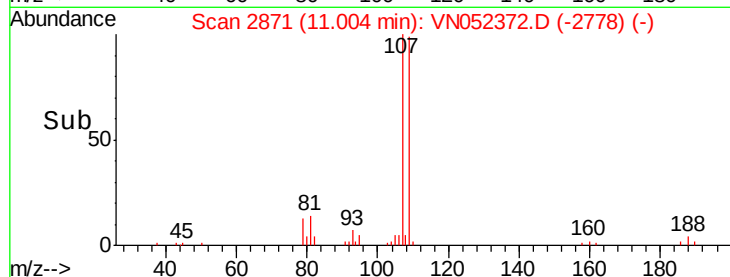
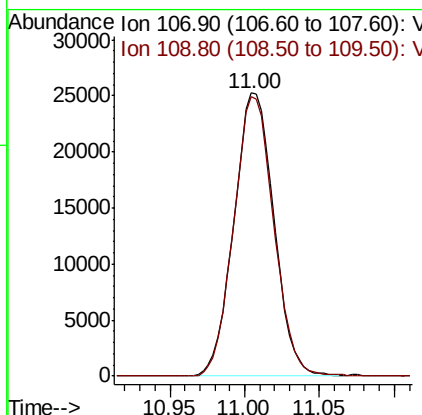
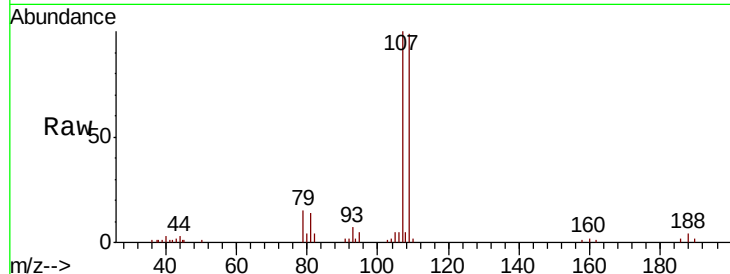
#61
 1,2-Dibromoethane
 Concen: 17.798 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.6	74.9	112.3

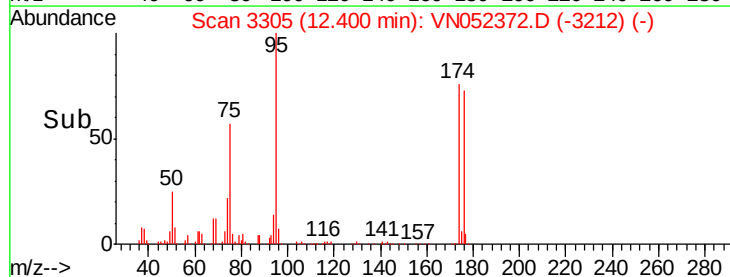
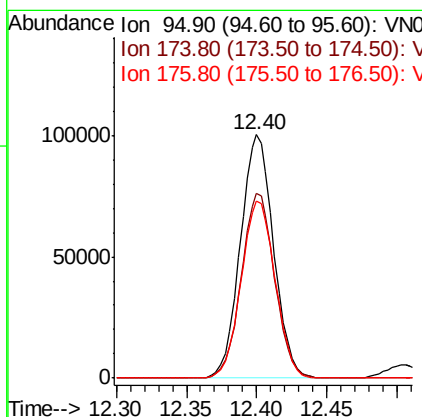
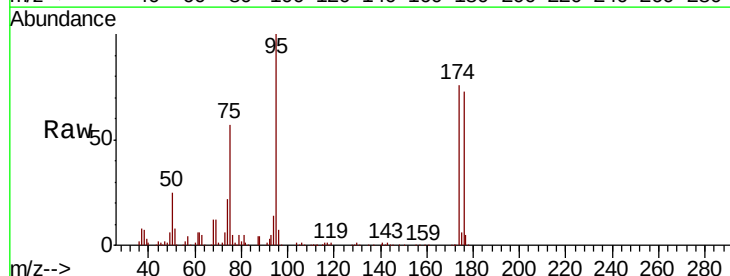
Manual Integrations
 APPROVED

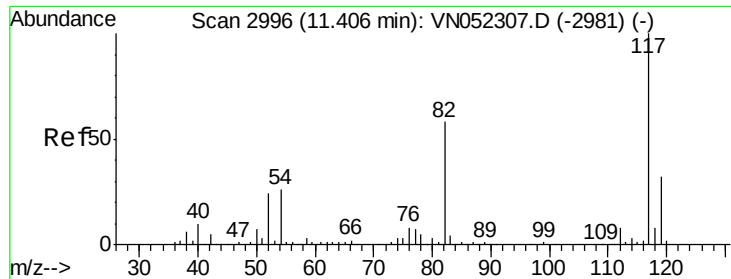
MMDadoda
 11/19/2018 12:46:22 PM



#62
 4-Bromofluorobenzene
 Concen: 17.798 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	156.0
176	74.4	0.0	148.4





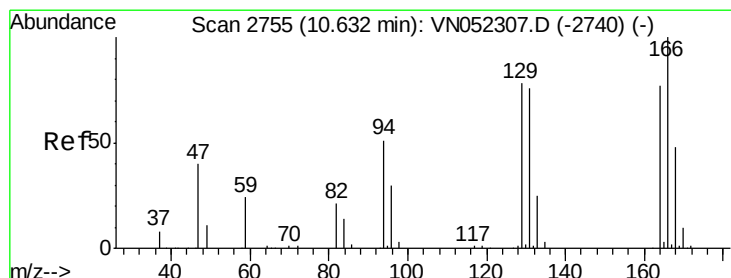
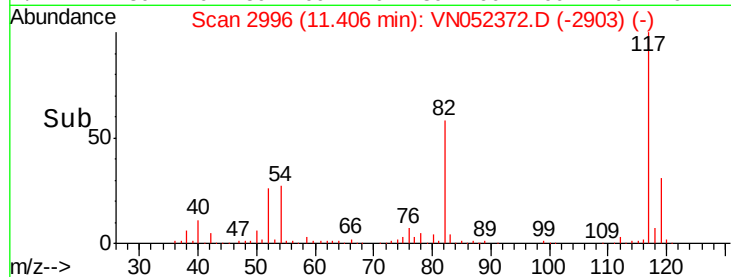
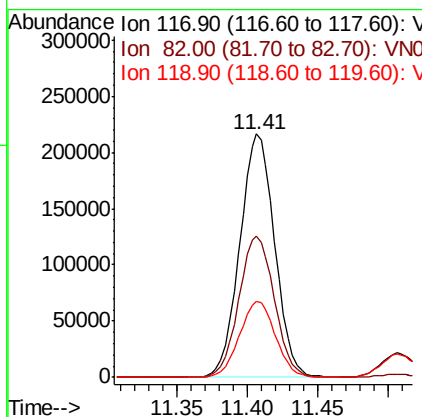
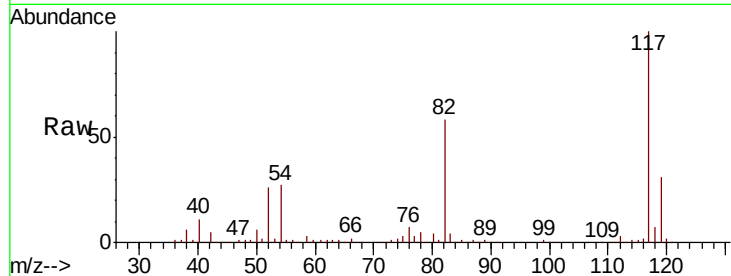
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.5	69.7
119	31.3	25.7	38.5

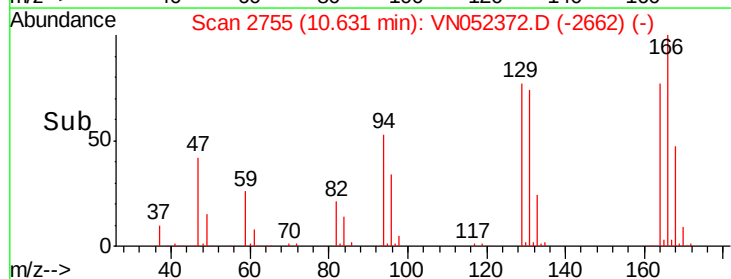
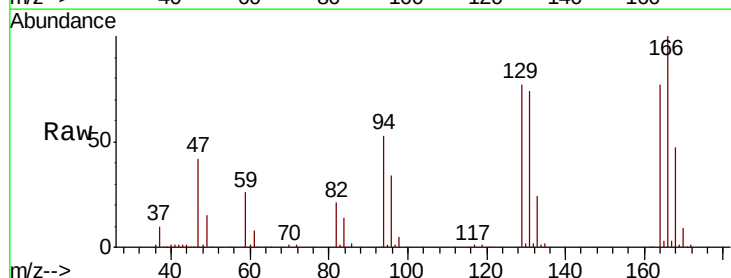
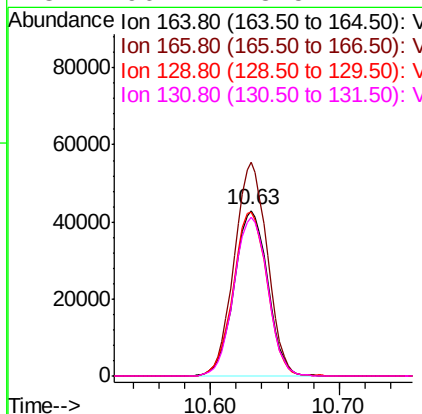
Manual Integrations
APPROVED

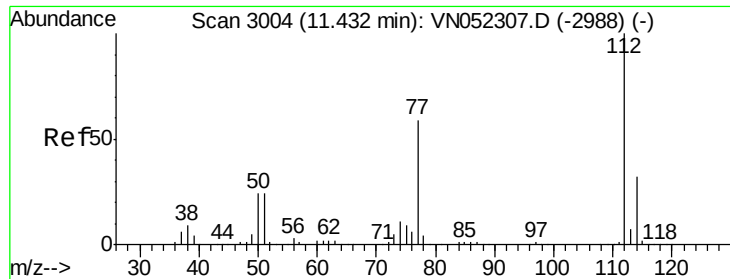
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#64
Tetrachloroethene
Concen: 29.260 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.8	155.6
129	99.4	80.7	121.1
131	96.1	78.5	117.7





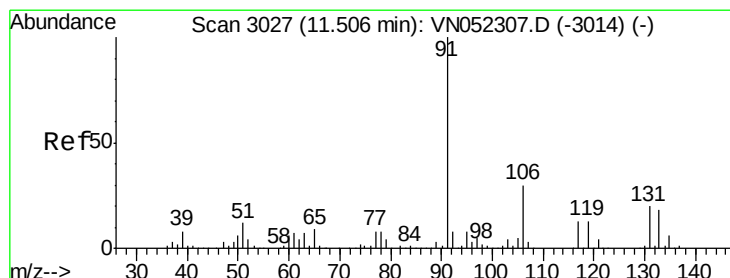
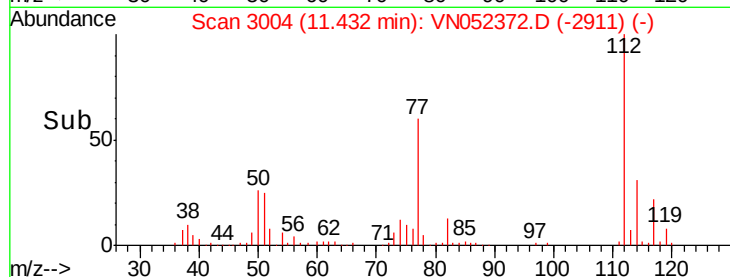
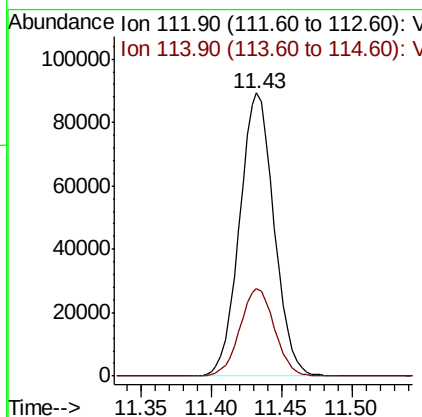
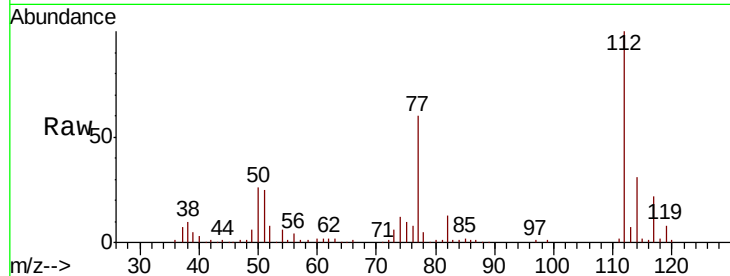
#65
Chlorobenzene
Concen: 19.304 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion:112 Resp: 152873
Ion Ratio Lower Upper
112 100
114 31.0 25.9 38.9

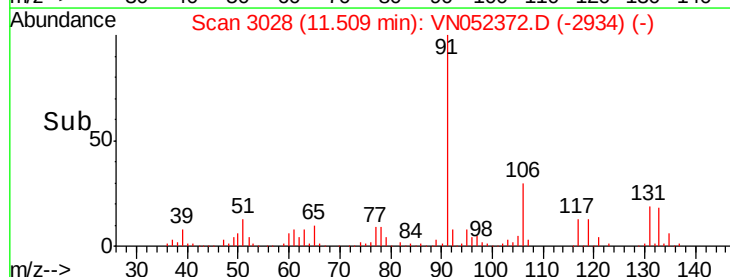
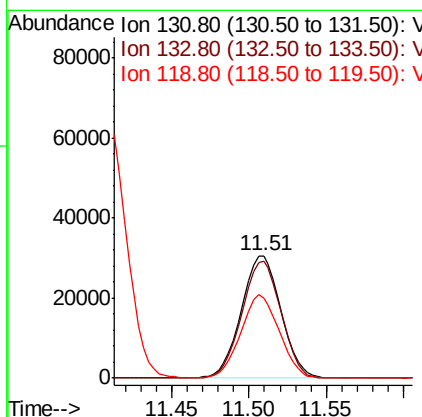
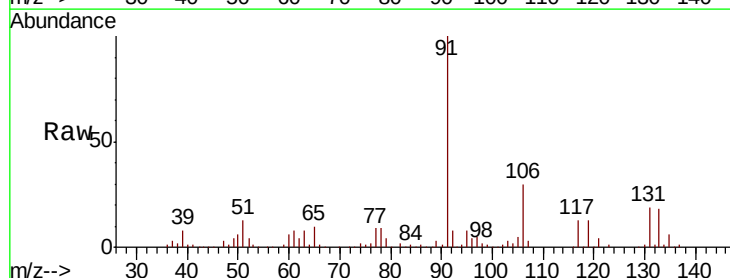
Manual Integrations
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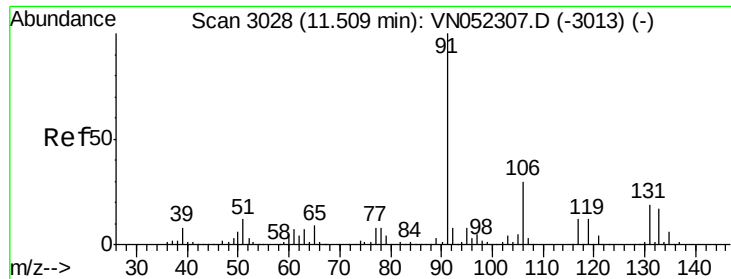
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.237 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion:131 Resp: 54650
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.3
119 65.9 33.3 99.9





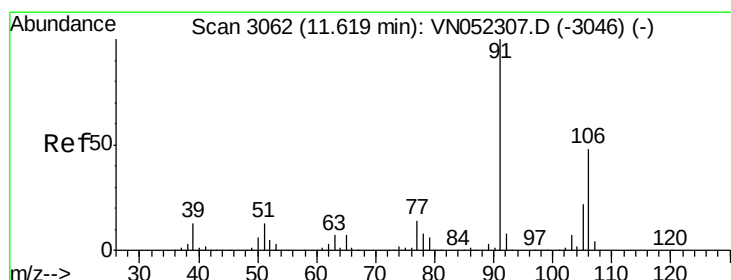
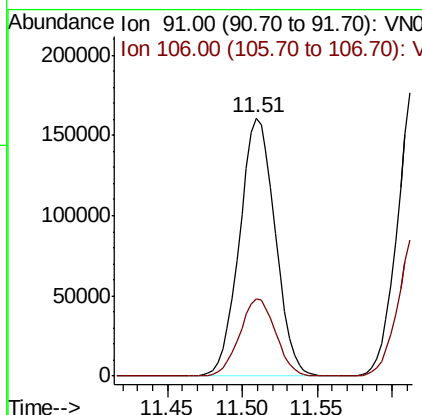
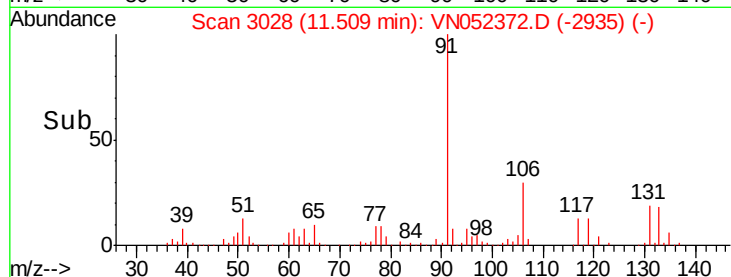
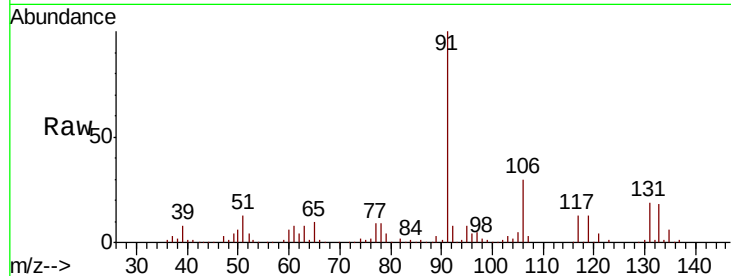
#67
Ethyl Benzene
Concen: 19.412 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion: 91 Resp: 266811
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.2

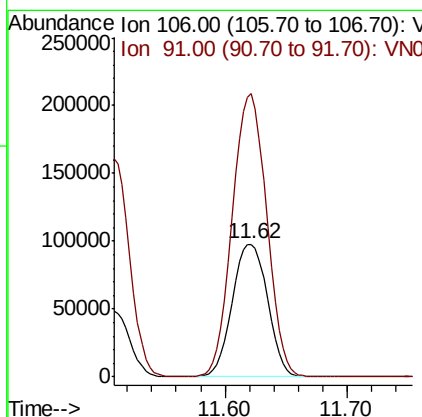
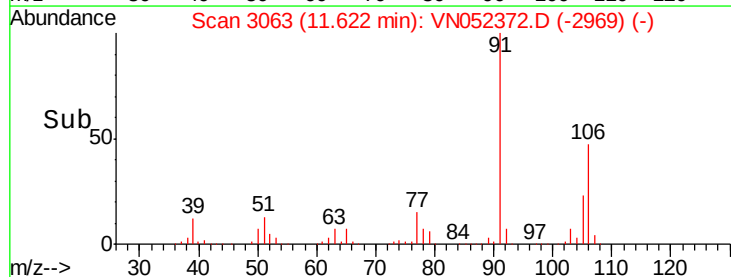
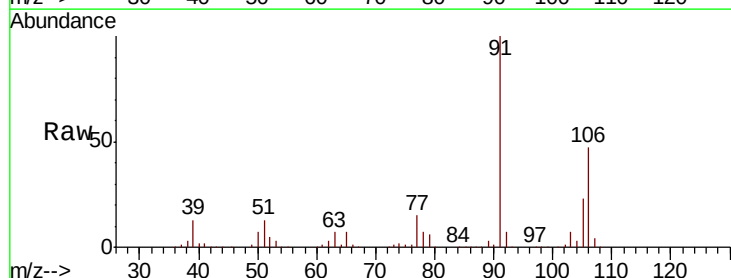
Manual Integrations
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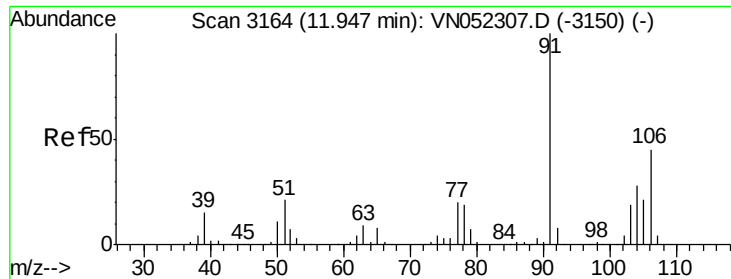
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#68
m/p-Xylenes
Concen: 39.075 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion: 106 Resp: 196234
Ion Ratio Lower Upper
106 100
91 208.4 165.5 248.3





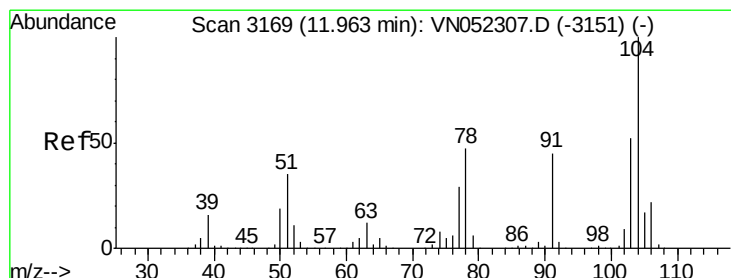
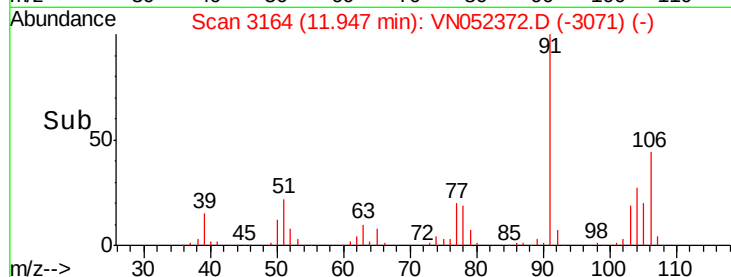
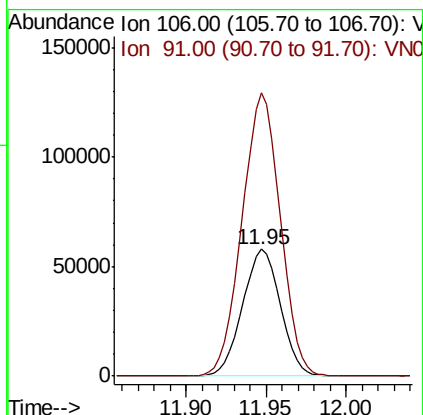
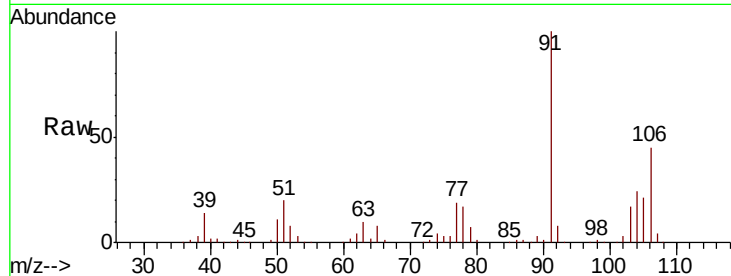
#69
o-Xylene
Concen: 19.538 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion:106 Resp: 94054
Ion Ratio Lower Upper
106 100
91 224.5 110.0 330.0

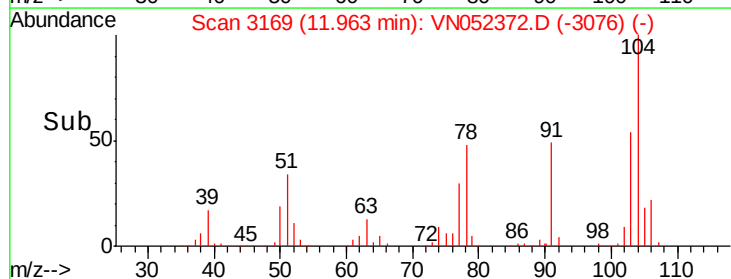
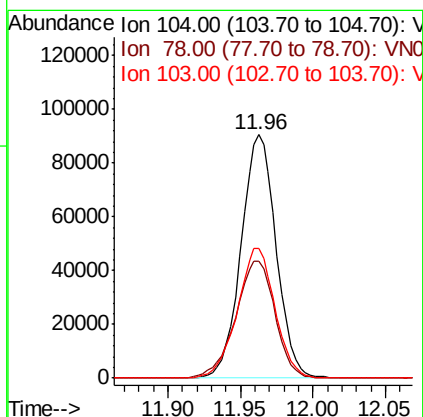
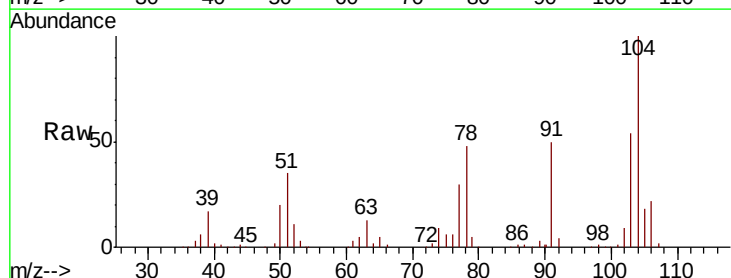
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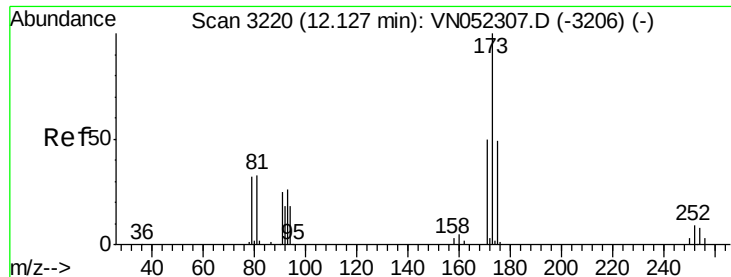
MMDadoda
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#70
Styrene
Concen: 19.744 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion:104 Resp: 152191
Ion Ratio Lower Upper
104 100
78 54.2 42.7 64.1
103 57.3 45.4 68.0





#71

Bromoform

Concen: 18.765 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD02

Tot Ion:173 Resp: 29920

Ion Ratio Lower Upper

173 100

175 46.4 25.0 75.0

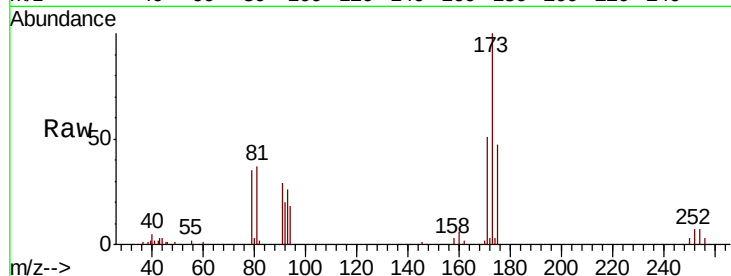
254 0.0 0.0 0.0

Manual Integrations

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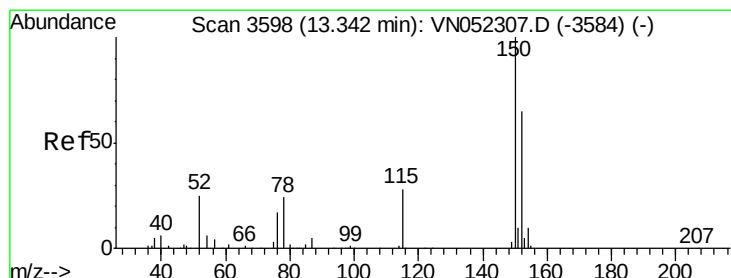
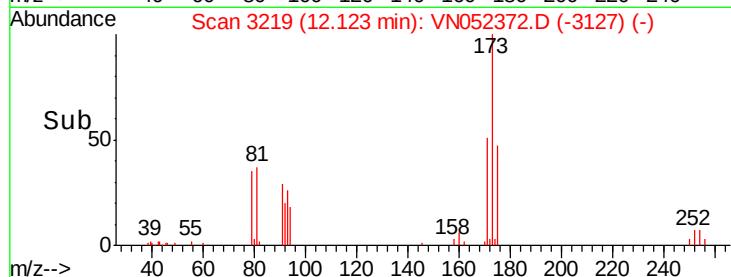
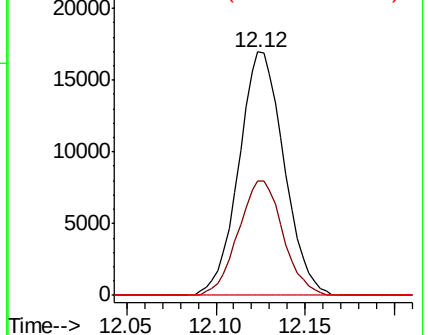
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN052372.D

Acq: 16 Nov 2018 18:33

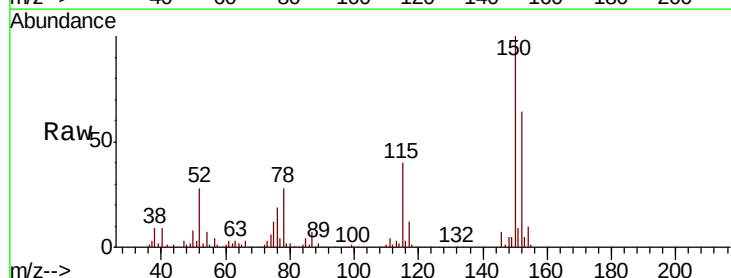
Tgt Ion:152 Resp: 162426

Ion Ratio Lower Upper

152 100

115 62.0 30.3 91.0

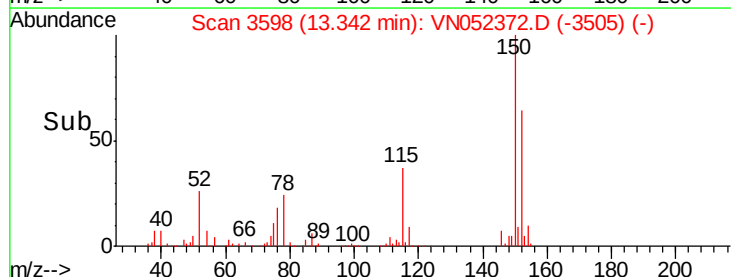
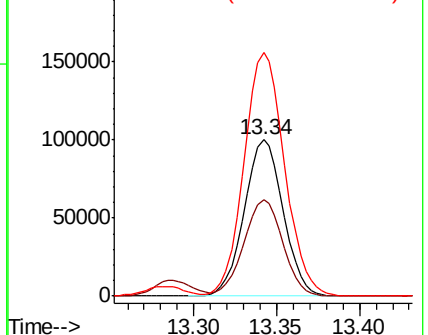
150 162.8 0.0 348.2

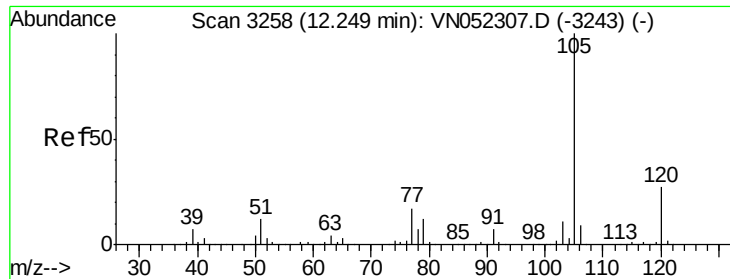


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.753 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD02

Tot Ion: 105 Resp: 257961

Ion Ratio Lower Upper

105 100

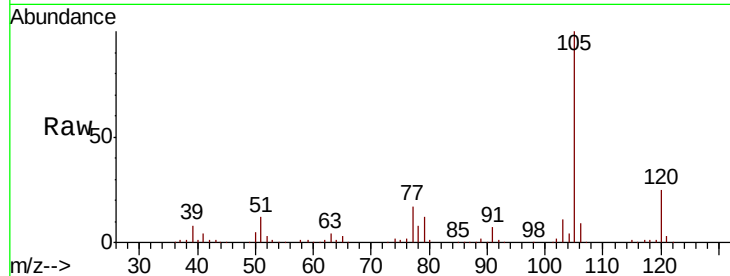
120 25.7 13.4 40.1

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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

150000

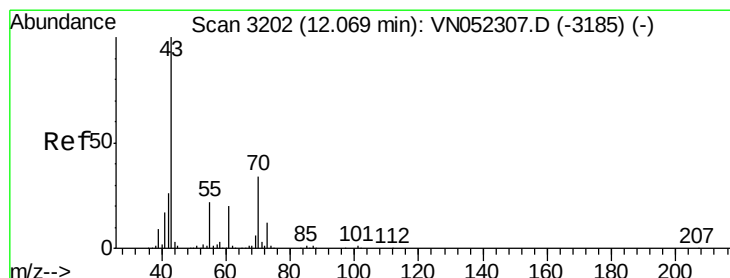
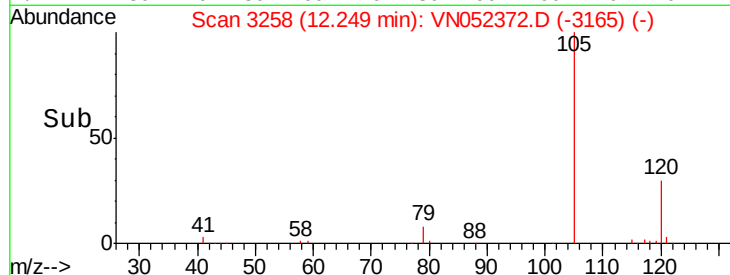
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 18.544 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Tgt Ion: 43 Resp: 86256

Ion Ratio Lower Upper

43 100

70 35.1 27.1 40.7

55 22.9 17.4 26.0

61 20.8 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

80000

60000

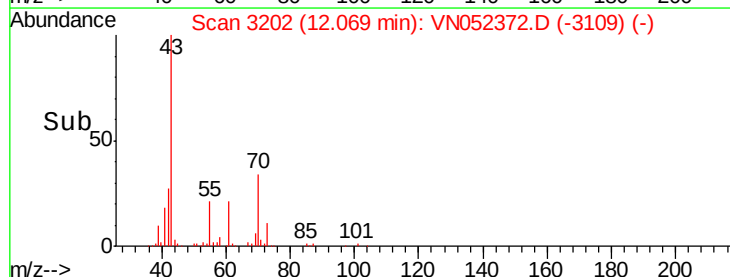
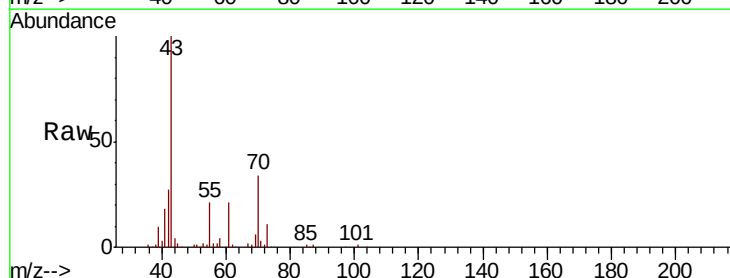
40000

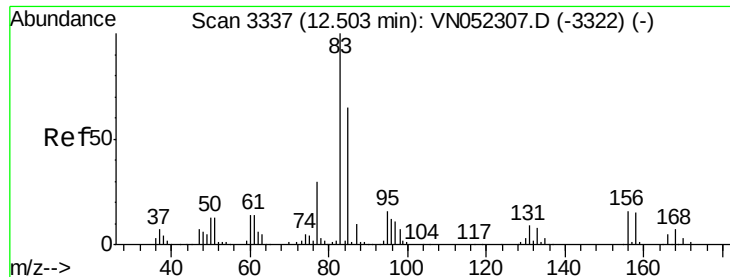
20000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 17.233 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

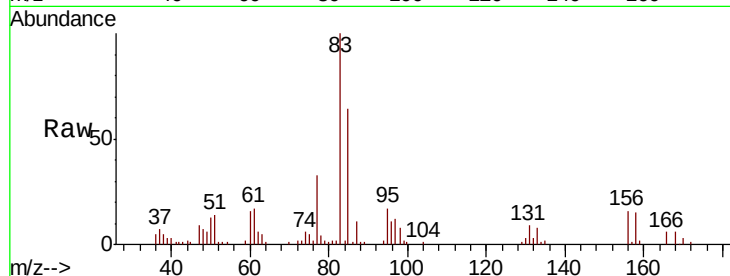
ClientSampleId :

VN1116WBSD02

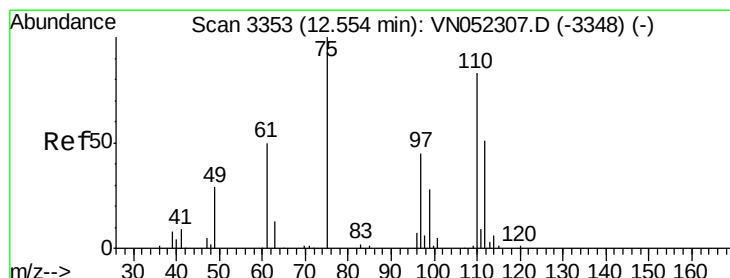
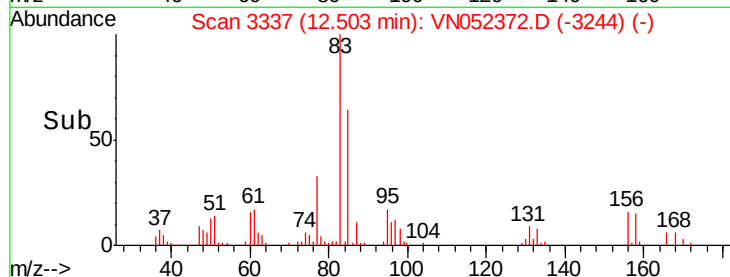
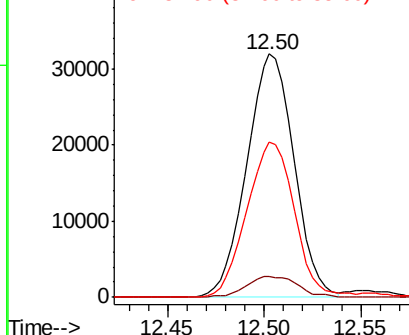
Tot Ion:	83	Resp:	54403
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	64.4	32.4	97.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 17.742 ug/l m

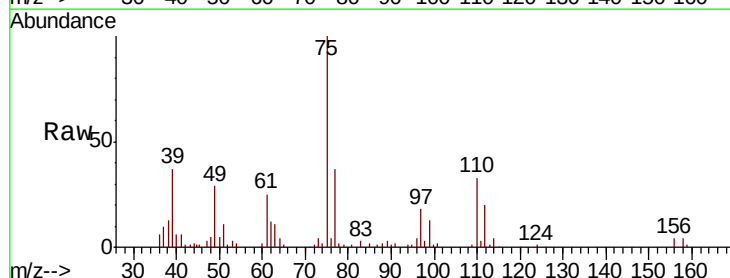
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

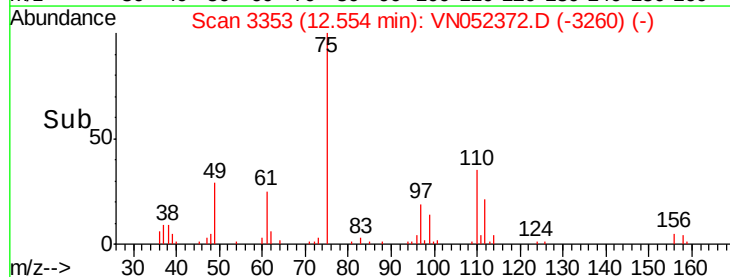
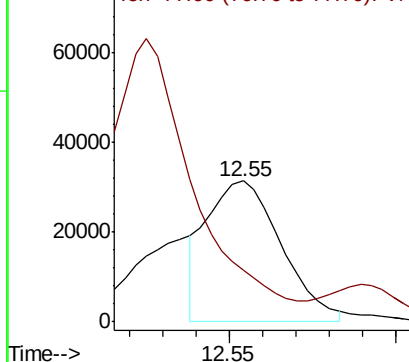
Lab File: VN052372.D

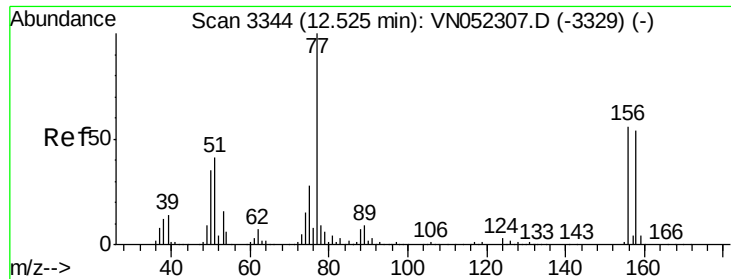
Acq: 16 Nov 2018 18:33

Tgt Ion:	75	Resp:	48897
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.039 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

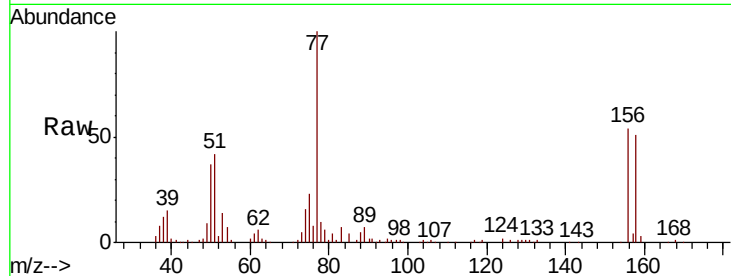
ClientSampleId :

VN1116WBSD02

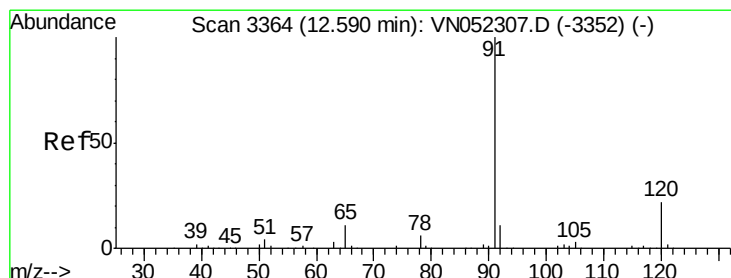
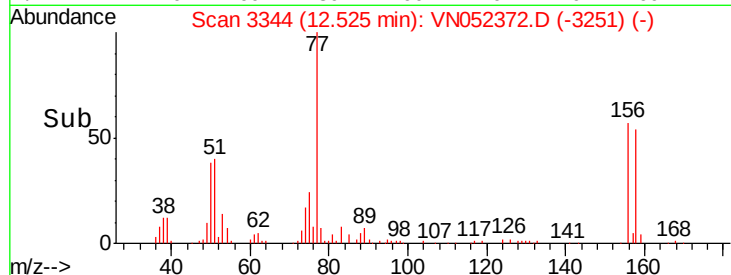
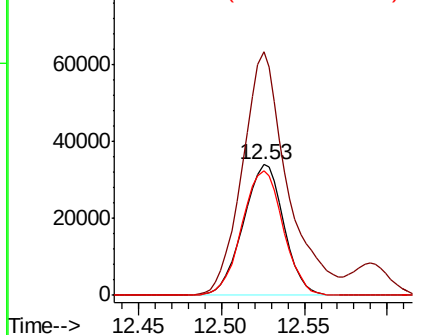
Tot Ion:	156	Resp:	57851
Ion Ratio	Lower	Upper	
156	100		
77	207.0	103.6	310.9
158	96.8	48.1	144.4

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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: 19.616 ug/l

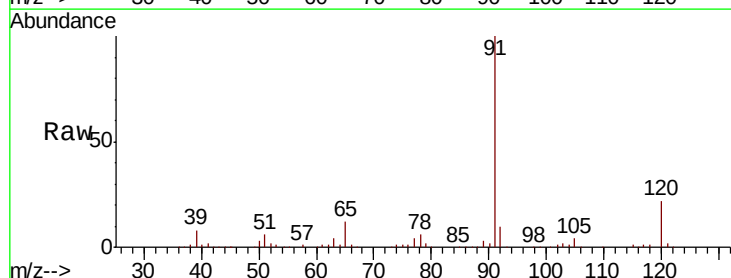
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

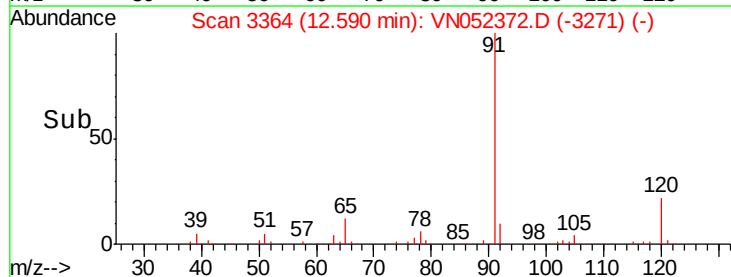
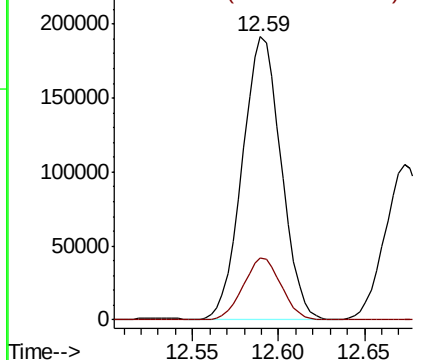
Lab File: VN052372.D

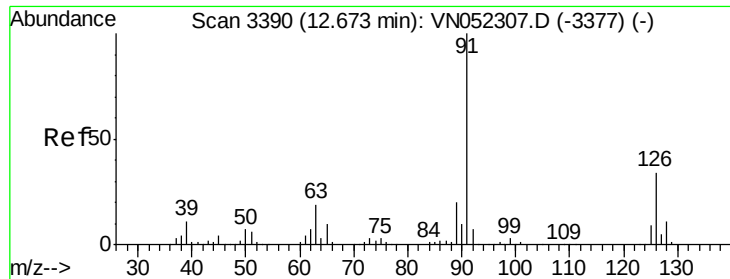
Acq: 16 Nov 2018 18:33

Tgt Ion:	91	Resp:	299593
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





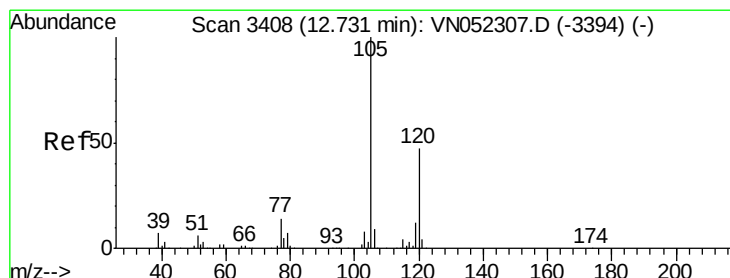
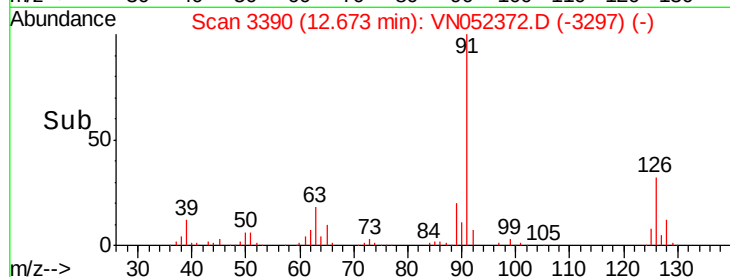
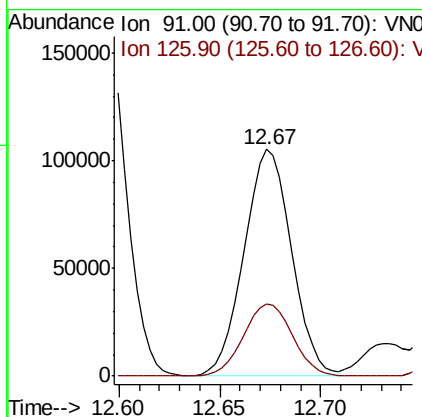
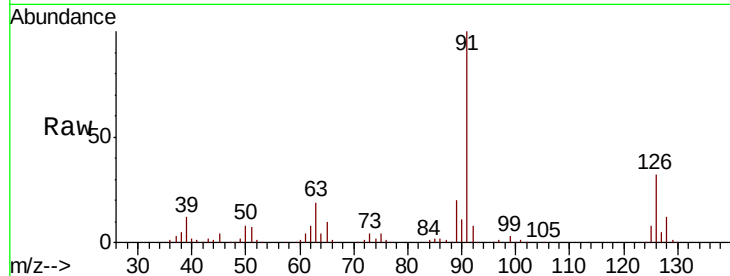
#79
 2-Chlorotoluene
 Concen: 19.387 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion: 91 Resp: 172976
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.0 51.0

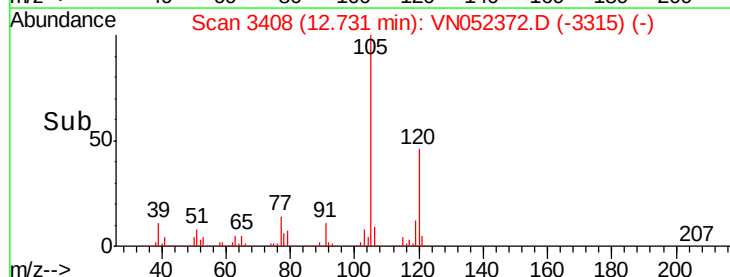
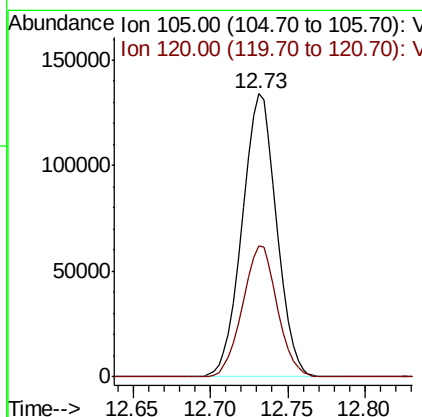
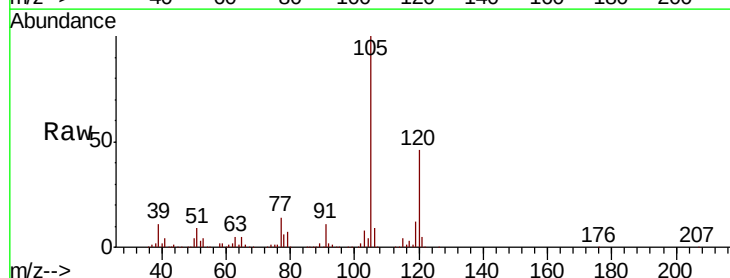
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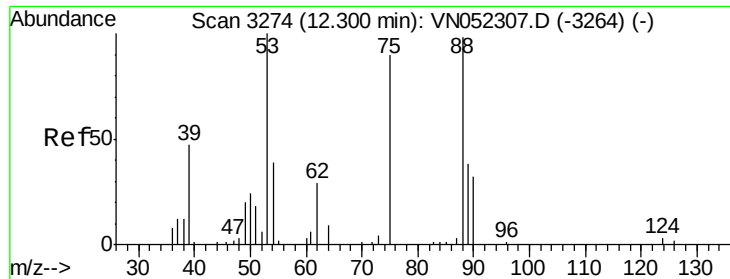
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.014 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion: 105 Resp: 207850
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.7 71.1





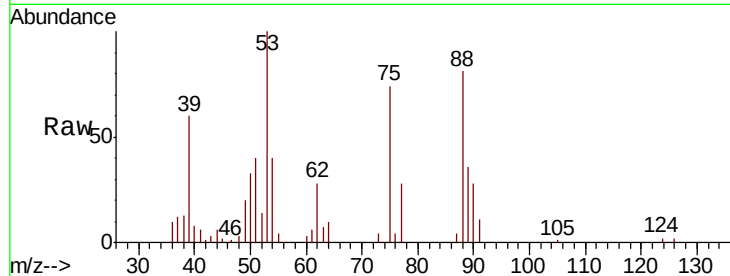
#81
trans-1,4-Dichloro-2-butene
Concen: 17.009 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

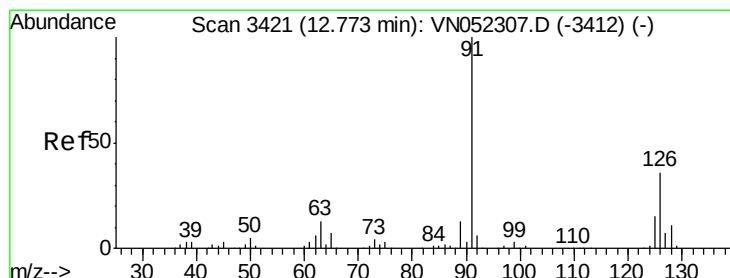
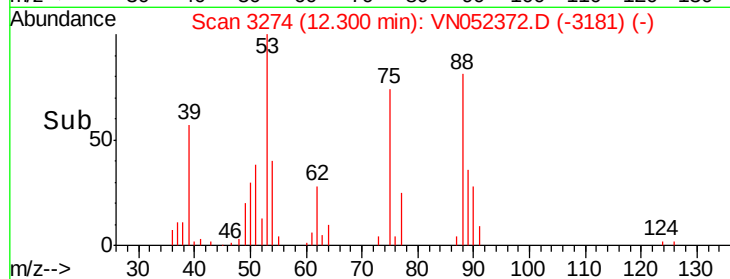
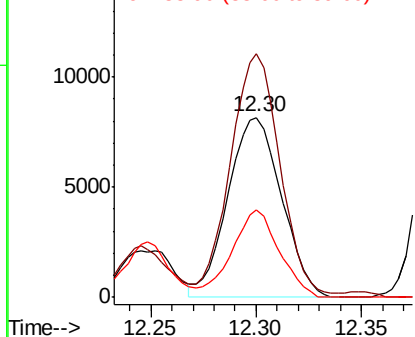
Tot Ion	Ratio	Lower	Upper
75	100		
53	121.5	90.2	135.2
89	42.7	35.4	53.0

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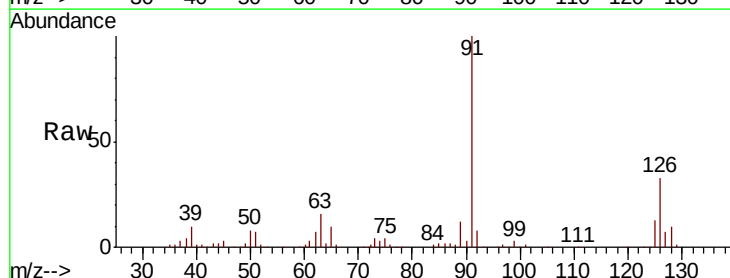


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

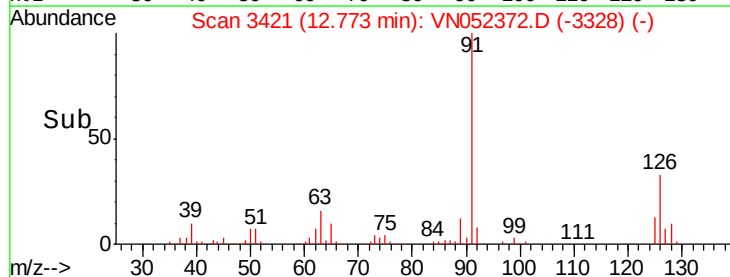
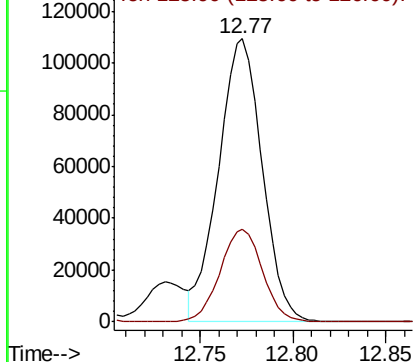


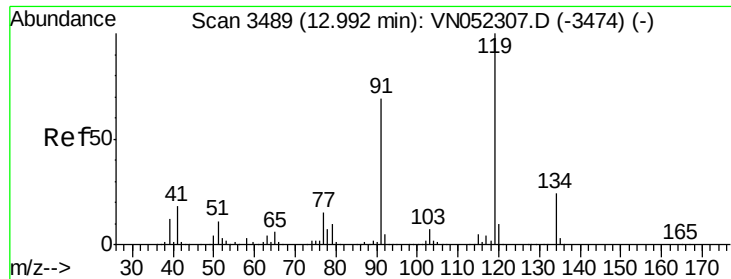
#82
4-Chlorotoluene
Concen: 19.471 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	17.0	50.9



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





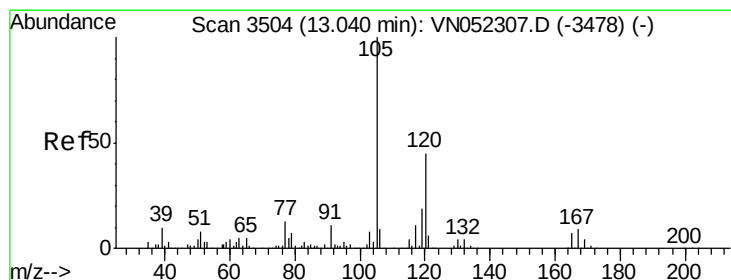
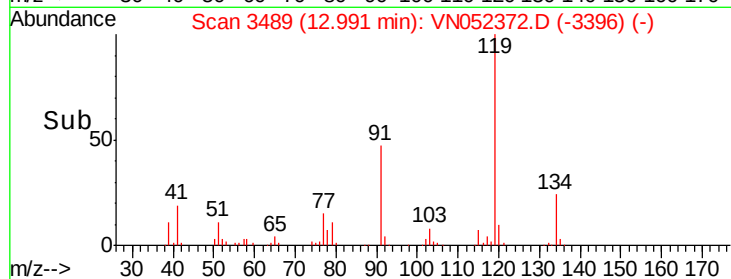
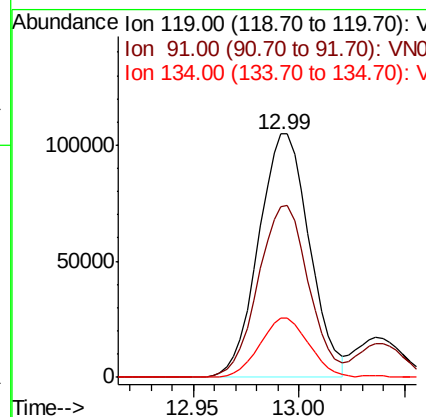
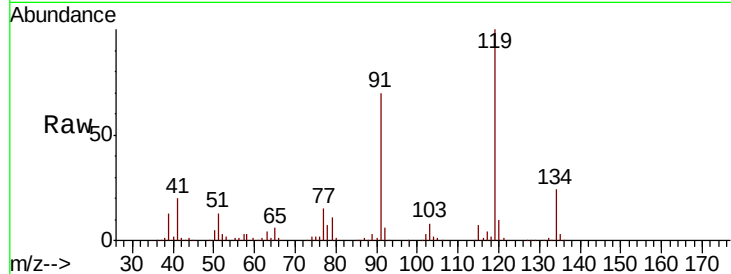
#83
tert-Butylbenzene
Concen: 19.214 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	176164		
91	70.1	33.8	101.3	
134	23.6	11.9	35.9	

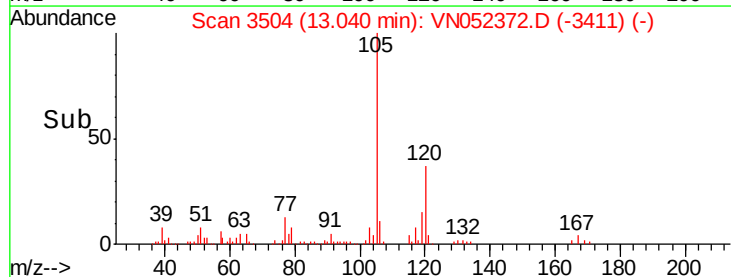
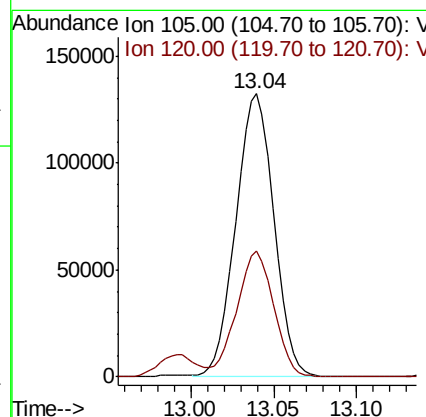
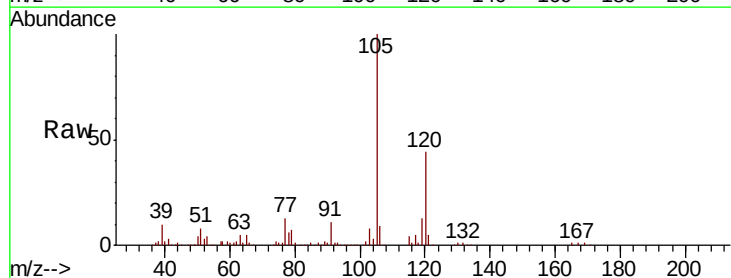
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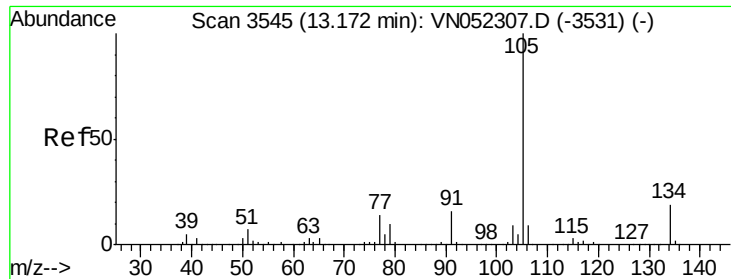
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#84
1,2,4-Trimethylbenzene
Concen: 20.297 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052372.D
Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	211600		
120	42.9	22.5	67.5	





#85

sec-Butylbenzene

Concen: 19.655 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBSD02

Tot Ion:105 Resp: 245483

Ion Ratio Lower Upper

105 100

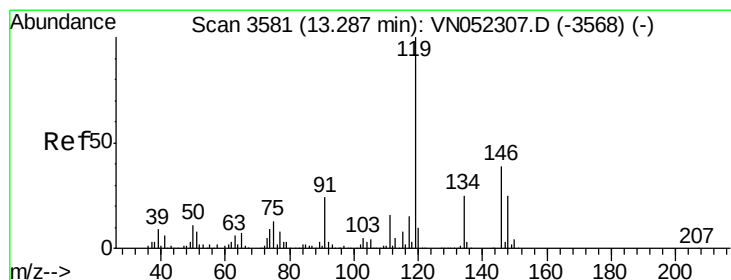
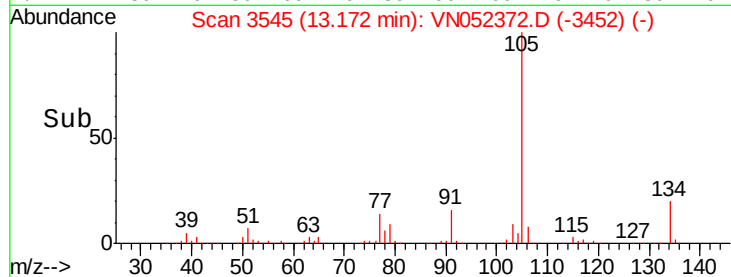
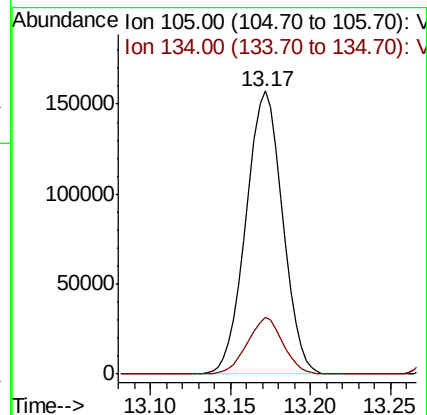
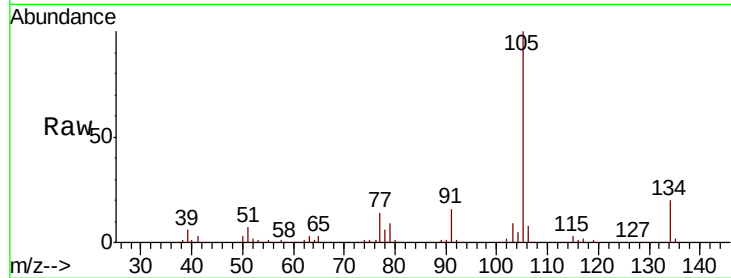
134 19.5 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 19.390 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

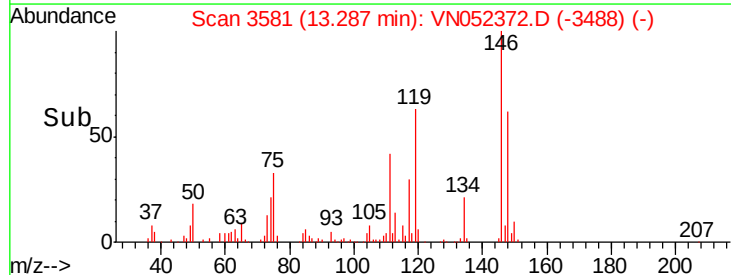
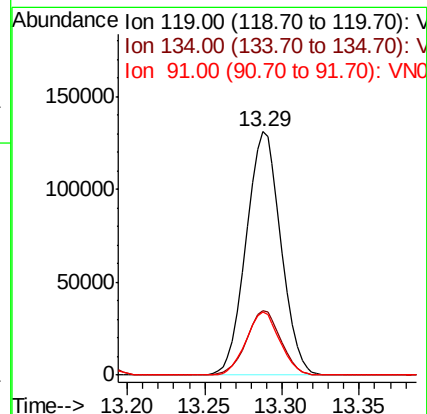
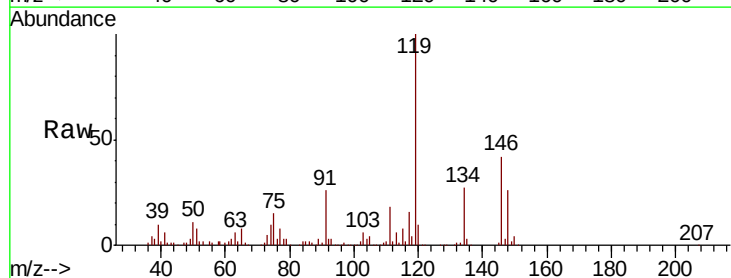
Tgt Ion:119 Resp: 205141

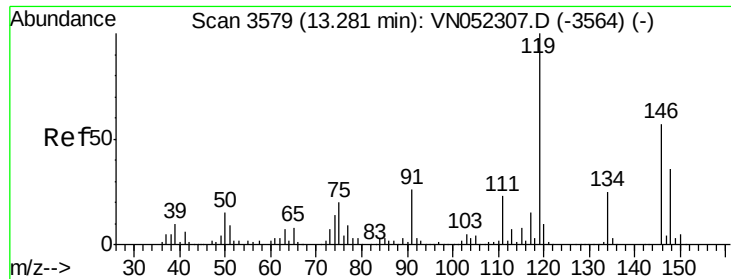
Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 25.3 12.4 37.0





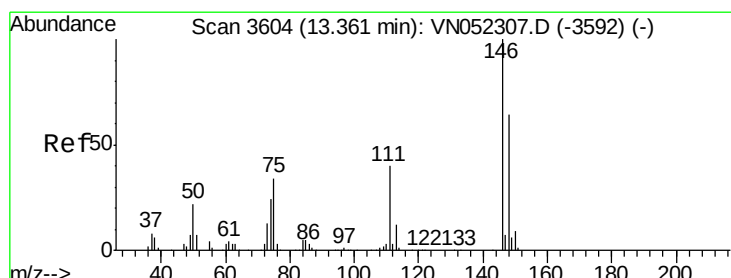
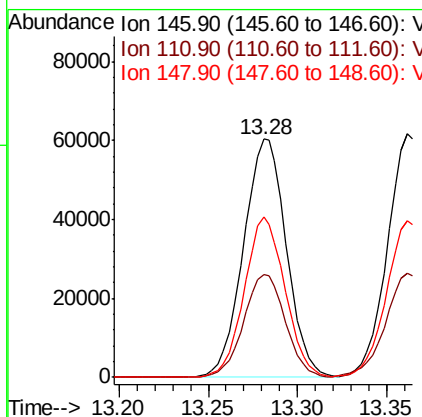
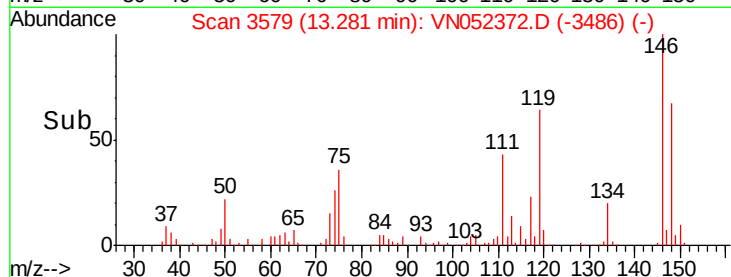
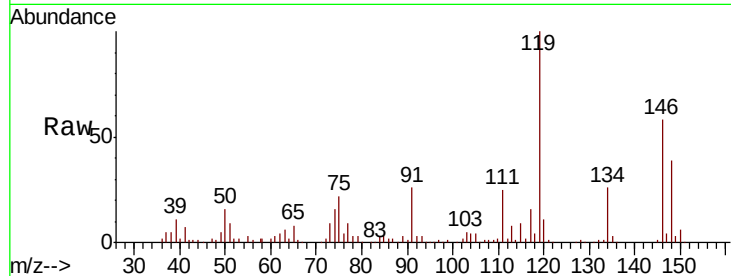
#87
 1,3-Dichlorobenzene
 Concen: 18.792 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	63.9	31.8	95.4

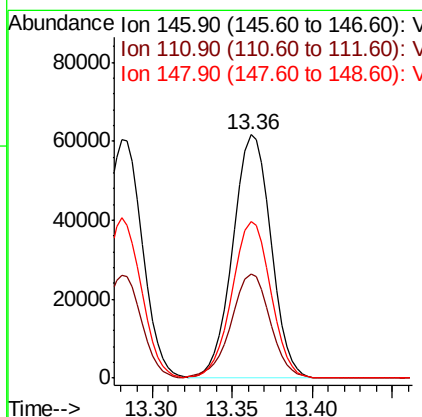
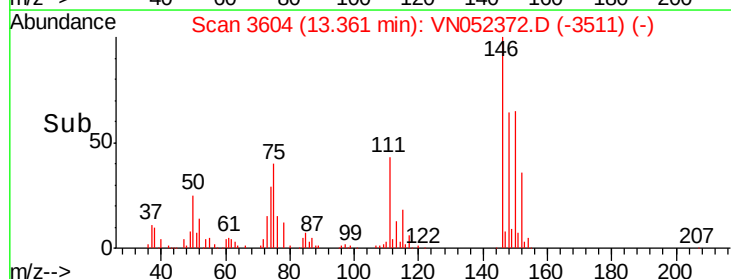
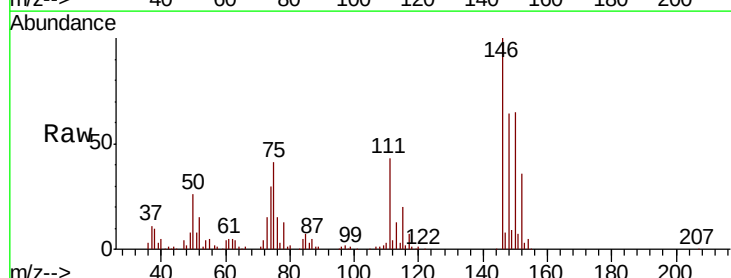
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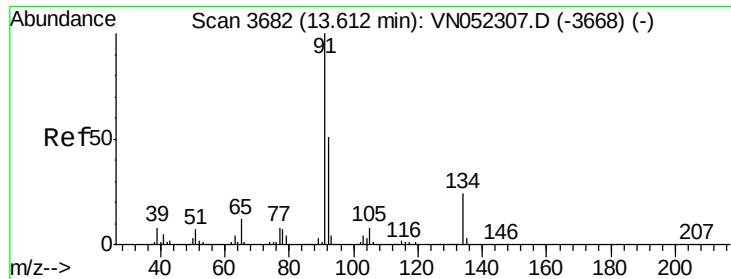
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#88
 1,4-Dichlorobenzene
 Concen: 18.659 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	20.6	61.8
148	65.5	32.4	97.2





#89

n-Butylbenzene

Concen: 19.133 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

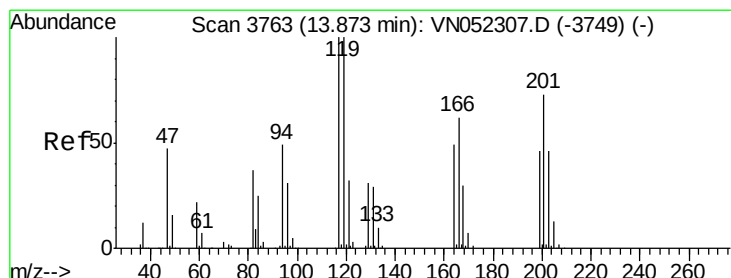
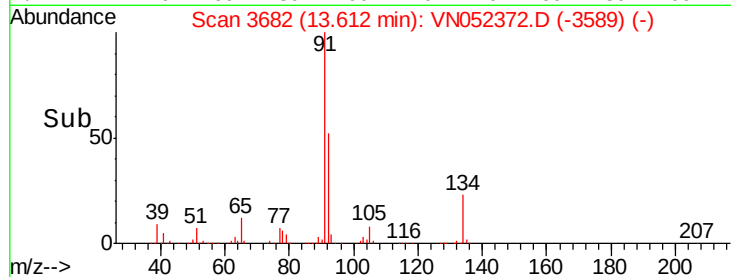
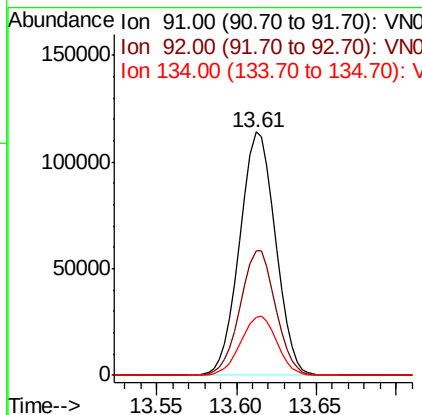
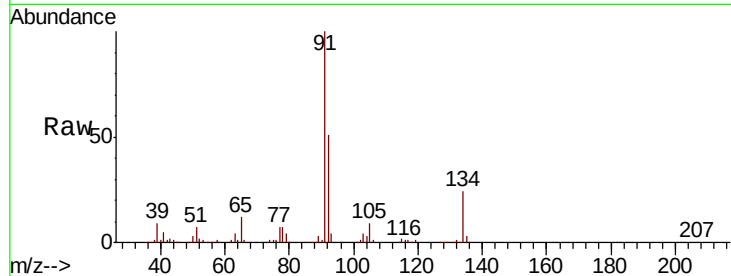
ClientSampleId :

VN1116WBSD02

Tot Ion:	91	Resp:	173849
Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.4	76.2
134	24.6	12.2	36.4

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#90

Hexachloroethane

Concen: 19.280 ug/l

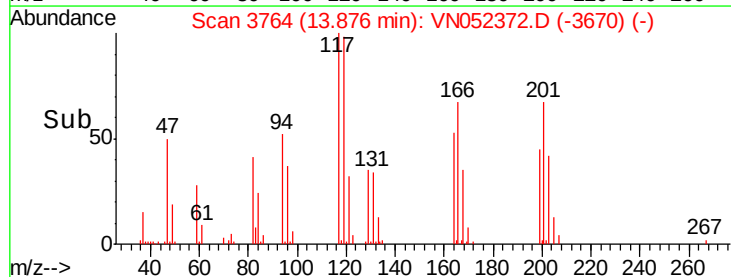
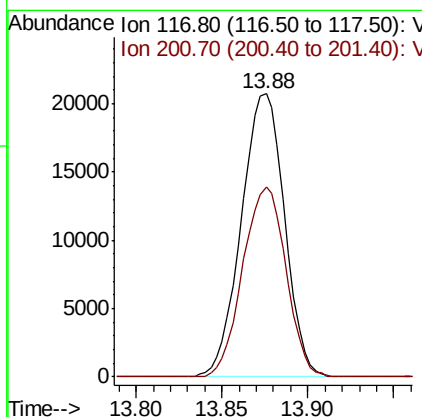
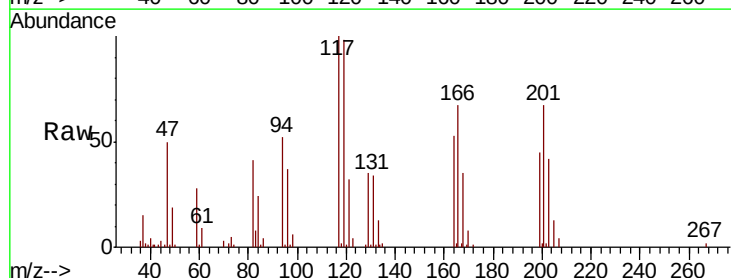
RT: 13.88 min Scan# 3764

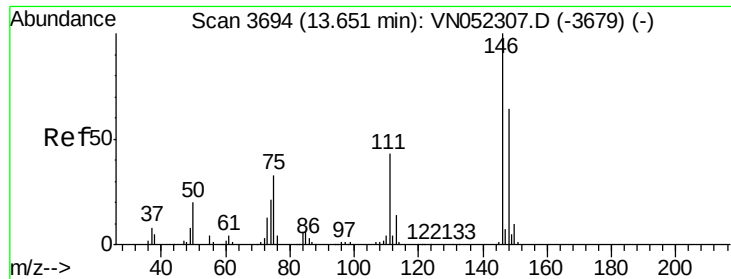
Delta R.T. 0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Tgt Ion:	117	Resp:	36128
Ion	Ratio	Lower	Upper
117	100		
201	66.8	35.3	105.9





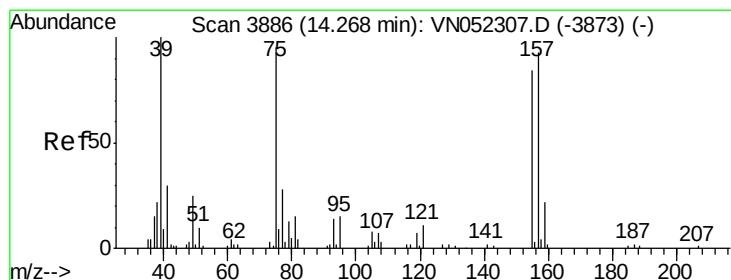
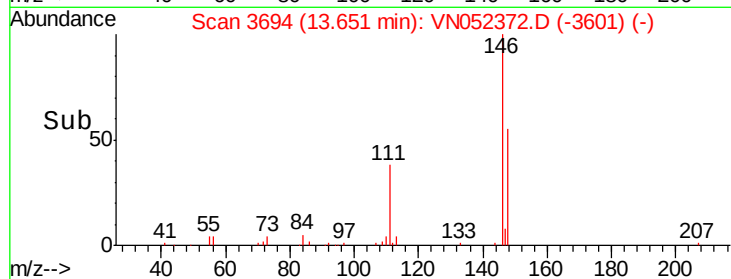
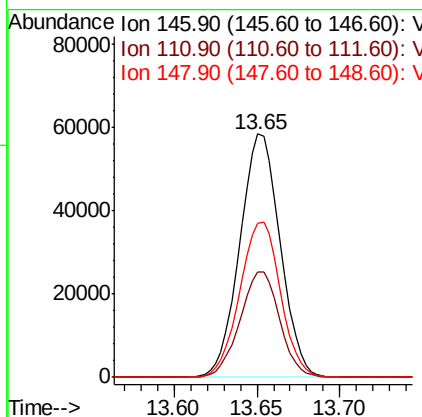
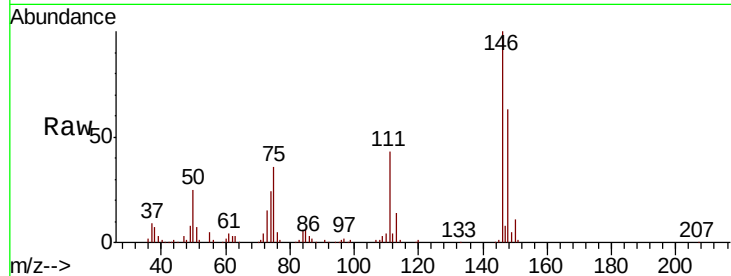
#91
 1,2-Dichlorobenzene
 Concen: 18.876 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.9
148	64.4	31.6	94.8

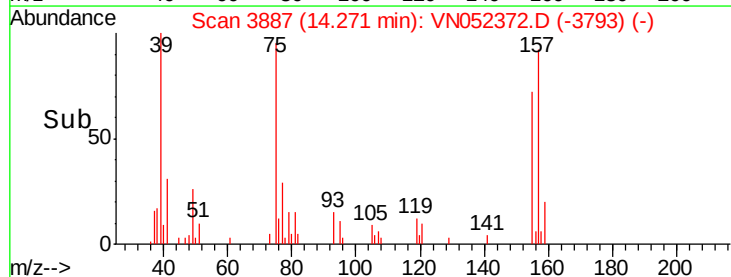
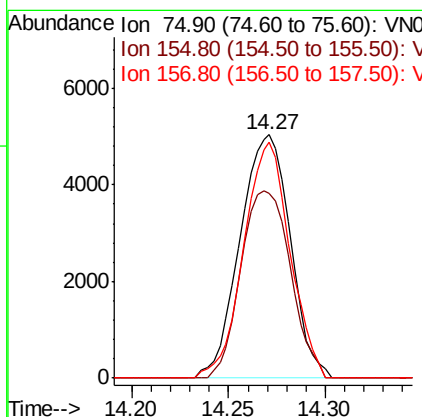
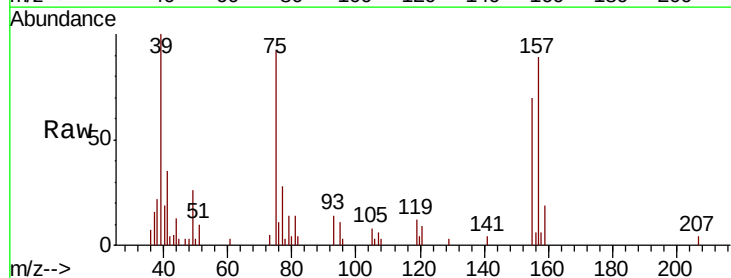
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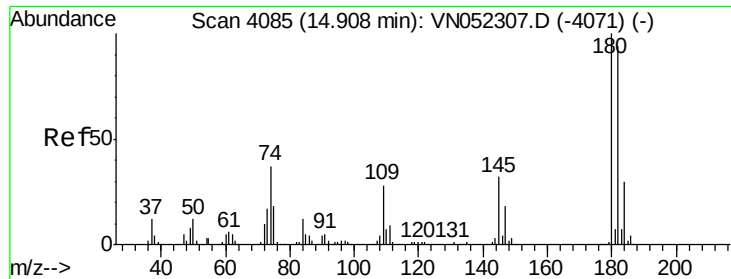
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.549 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	42.4	127.3
157	89.3	49.6	149.0





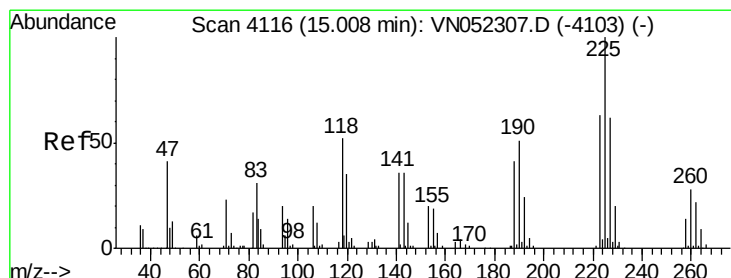
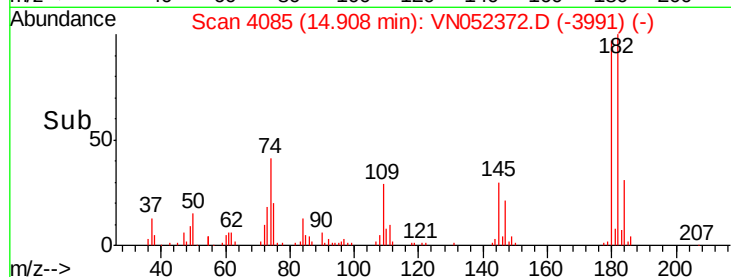
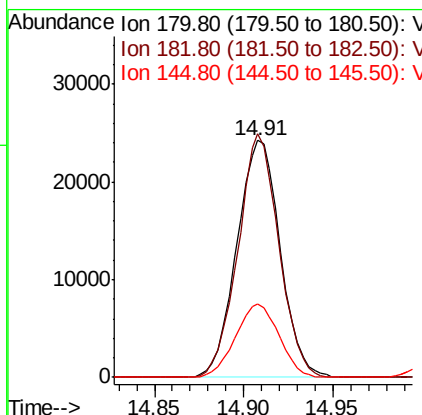
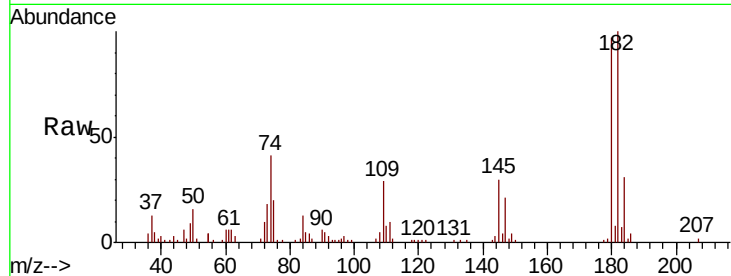
#93
 1,2,4-Trichlorobenzene
 Concen: 18.298 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.6	142.9
145	30.8	15.5	46.5

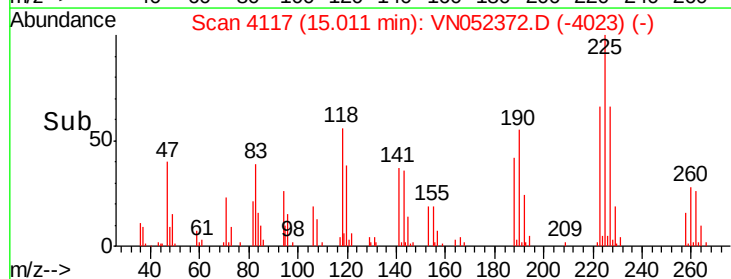
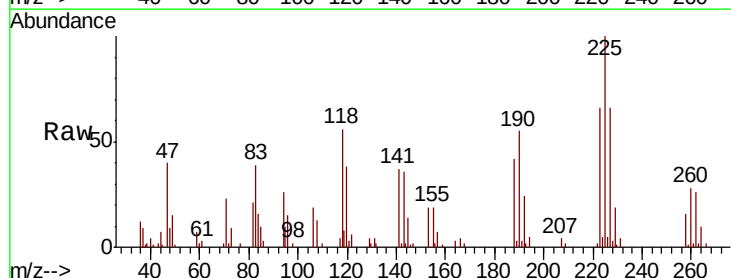
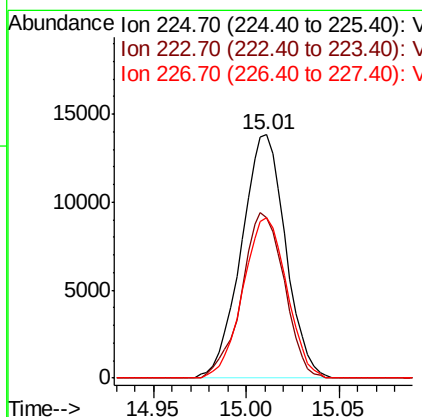
Manual Integrations
 APPROVED

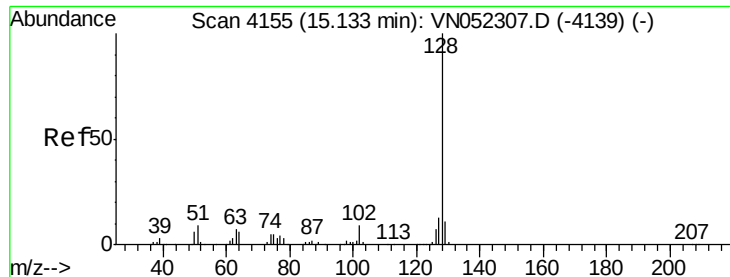
MMDadoda
 11/19/2018 12:46:22 PM



#94
 Hexachlorobutadiene
 Concen: 19.200 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052372.D
 Acq: 16 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.9	95.5
227	65.1	31.6	95.0





#95

Naphthalene

Concen: 17.339 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Instrument :

MSVOA_N

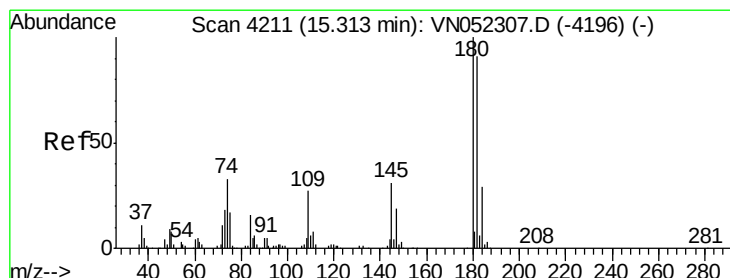
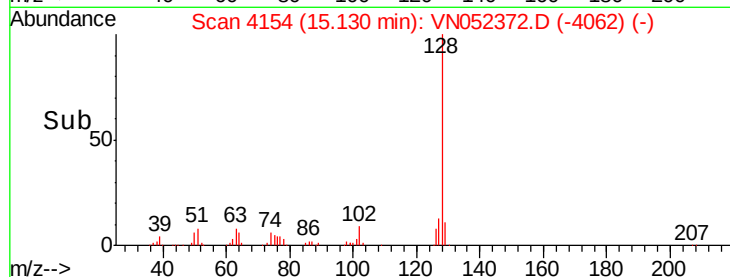
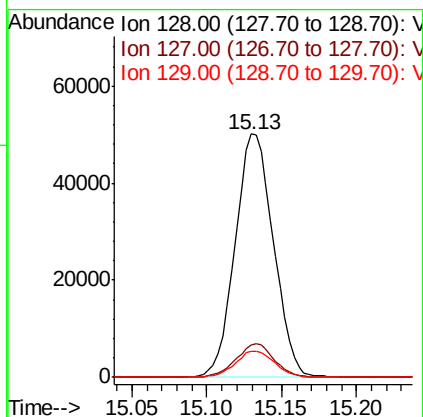
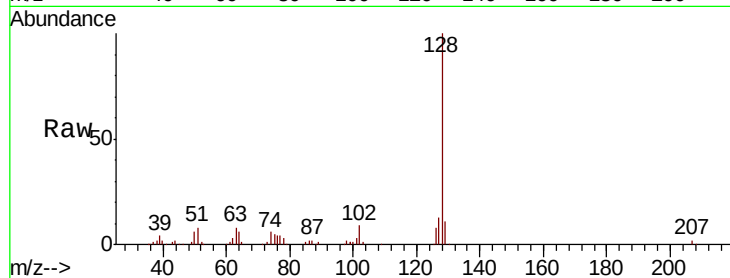
ClientSampleId :

VN1116WBSD02

Tot Ion:	128	Resp:	89377
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:46:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.688 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052372.D

Acq: 16 Nov 2018 18:33

Tgt Ion:	180	Resp:	37126
Ion Ratio	Lower	Upper	
180	100		
182	97.6	46.5	139.3
145	35.5	16.4	49.2

