

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052285.D
 Acq On : 13 Nov 2018 14:37
 Operator : MD\SY
 Sample : VN1113WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 11:10:23 AM

Quant Time: Nov 14 01:18:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	275999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	476413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	425396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180598	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	188806	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.59	113	150660	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.09	98	584989	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.40	95	184005	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	61487	20.492	ug/l	98
3) Chloromethane	2.06	50	80401	19.192	ug/l	94
4) Vinyl Chloride	2.19	62	67559	19.356	ug/l	95
5) Bromomethane	2.57	94	41682	18.822	ug/l	95
6) Chloroethane	2.71	64	39541	19.077	ug/l	100
7) Trichlorofluoromethane	3.02	101	97003	19.965	ug/l	99
8) Diethyl Ether	3.42	74	35658	18.655	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	57680	18.504	ug/l	97
10) Methyl Iodide	3.96	142	78812	19.486	ug/l	98
11) Tert butyl alcohol	4.78	59	21334	110.263	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	54629	18.933	ug/l	96
13) Acrolein	3.61	56	25033	106.099	ug/l	99
14) Allyl chloride	4.33	41	110605	18.309	ug/l	98
15) Acrylonitrile	4.99	53	115802	97.380	ug/l	98
16) Acetone	3.82	43	91982	89.559	ug/l	99
17) Carbon Disulfide	4.06	76	152684	18.241	ug/l	100
18) Methyl Acetate	4.33	43	60221	19.093	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	159207	19.313	ug/l	99
20) Methylene Chloride	4.55	84	65406	19.008	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	57211	18.244	ug/l	90
22) Diisopropyl ether	5.95	45	233312	19.266	ug/l	99
23) Vinyl Acetate	5.90	43	811625	97.672	ug/l	100
24) 1,1-Dichloroethane	5.85	63	123598	19.323	ug/l	99
25) 2-Butanone	6.84	43	145745	90.514	ug/l	100
26) 2,2-Dichloropropane	6.83	77	85233	18.244	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	68008	19.374	ug/l	99
28) Bromochloromethane	7.20	49	61276	19.387	ug/l	99
29) Tetrahydrofuran	7.21	42	98483	93.978	ug/l	99
30) Chloroform	7.37	83	116456	19.238	ug/l	99
31) Cyclohexane	7.66	56	117517	19.452	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	97201	19.700	ug/l	100
36) 1,1-Dichloropropene	7.80	75	90605	18.842	ug/l	99
37) Ethyl Acetate	6.93	43	66555	18.402	ug/l	99
38) Carbon Tetrachloride	7.77	117	83007	19.048	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	100971	18.409	ug/l	97
40) Benzene	8.04	78	264811	19.234	ug/l	99
41) Methacrylonitrile	7.18	41	39194	18.650	ug/l	98
42) 1,2-Dichloroethane	8.13	62	91227	18.885	ug/l	100
43) Isopropyl Acetate	8.17	43	125066	19.839	ug/l #	91
44) Trichloroethene	8.84	130	65758	19.060	ug/l	97
45) 1,2-Dichloropropane	9.12	63	73133	19.014	ug/l	98
46) Dibromomethane	9.21	93	43564	19.718	ug/l	97
47) Bromodichloromethane	9.40	83	86831	18.969	ug/l	99
48) Methyl methacrylate	9.20	41	62882	18.931	ug/l	98
49) 1,4-Dioxane	9.20	88	10907	408.470	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	330003	94.788	ug/l	99
52) Toluene	10.16	92	156958	18.899	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	84740	18.760	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	101672	19.067	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	57500	19.155	ug/l	96
56) Ethyl methacrylate	10.43	69	77635	19.136	ug/l	99
57) 1,3-Dichloropropane	10.71	76	102885	19.146	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	219975	97.922	ug/l	99
59) 2-Hexanone	10.75	43	218507	89.405	ug/l	99
60) Dibromochloromethane	10.90	129	59412	19.512	ug/l	100
61) 1,2-Dibromoethane	11.01	107	56717	19.225	ug/l	99
64) Tetrachloroethene	10.63	164	56279	18.896	ug/l	99
65) Chlorobenzene	11.43	112	171262	19.000	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	59102	19.357	ug/l	98
67) Ethyl Benzene	11.51	91	301571	19.021	ug/l	99
68) m/p-Xylenes	11.62	106	222795	37.733	ug/l	99
69) o-Xylene	11.95	106	108368	19.211	ug/l	99
70) Styrene	11.96	104	171179	18.782	ug/l	98
71) Bromoform	12.13	173	33879	18.600	ug/l #	99
73) Isopropylbenzene	12.25	105	286538	19.409	ug/l	99
74) N-amyl acetate	12.07	43	104470	19.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	69873	19.306	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	65496m	20.498	ug/l	
77) Bromobenzene	12.53	156	65654	18.999	ug/l	95
78) n-propylbenzene	12.59	91	334496	19.345	ug/l	100
79) 2-Chlorotoluene	12.67	91	197121	19.679	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	233115	19.855	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17163	18.335	ug/l	88
82) 4-Chlorotoluene	12.77	91	198211	19.721	ug/l	98
83) tert-Butylbenzene	12.99	119	196414	19.162	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	232529	19.643	ug/l	99
85) sec-Butylbenzene	13.17	105	272231	19.367	ug/l	100
86) p-Isopropyltoluene	13.29	119	229964	19.555	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	115291	19.165	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115375	19.157	ug/l	99
89) n-Butylbenzene	13.61	91	197519	18.863	ug/l	98
90) Hexachloroethane	13.87	117	39634	19.202	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	113255	19.291	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10325	20.067	ug/l	98

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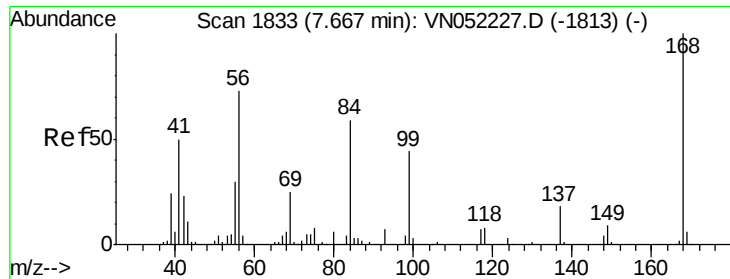
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49075	21.139	ug/l	98
94) Hexachlorobutadiene	15.01	225	25666	20.345	ug/l	99
95) Naphthalene	15.13	128	113912	19.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45388	20.678	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS02

Tot Ion:168 Resp: 275999

Ion Ratio Lower Upper

168 100

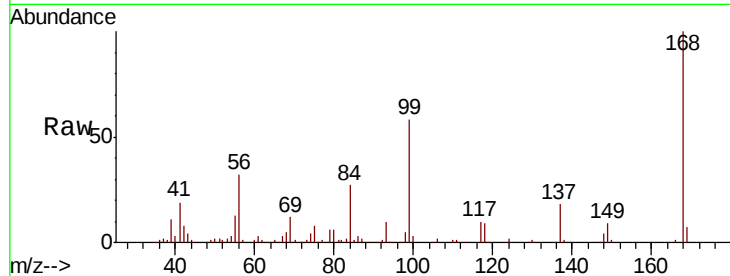
99 58.4 44.7 67.1

Manual Integrations

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11/14/2018 11:10:23 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

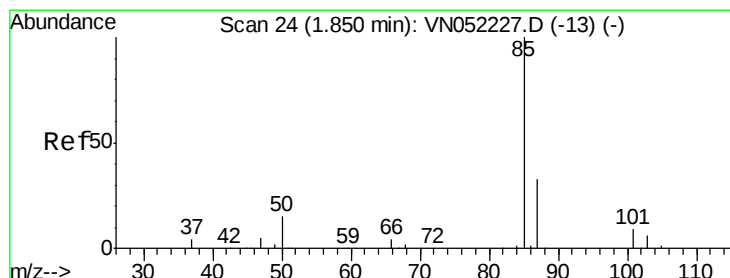
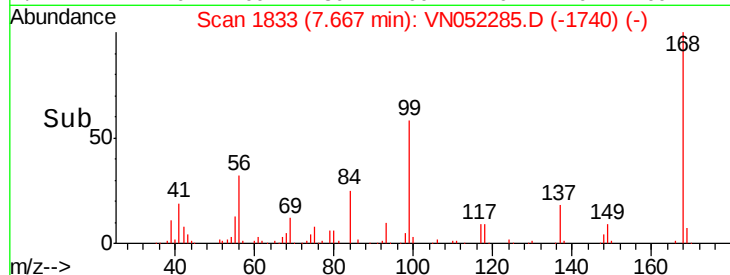
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.492 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052285.D

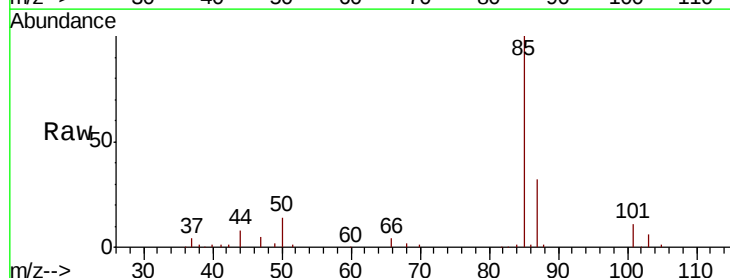
Acq: 13 Nov 2018 14:37

Tgt Ion: 85 Resp: 61487

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

50000

40000

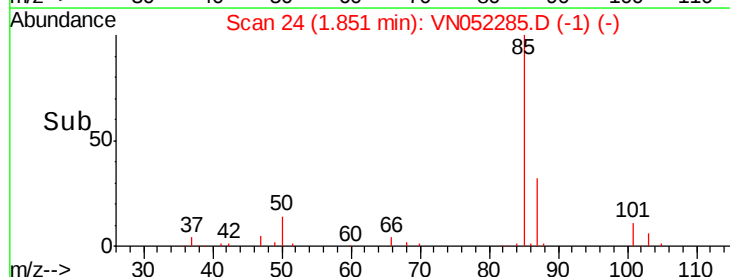
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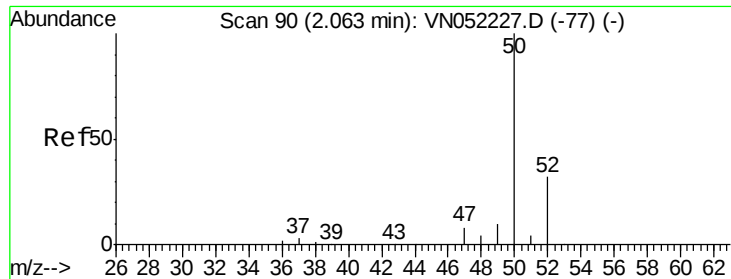
20000

10000

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Time-->





#3

Chloromethane

Concen: 19.192 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS02

Tot Ion: 50 Resp: 80401

Ion Ratio Lower Upper

50 100

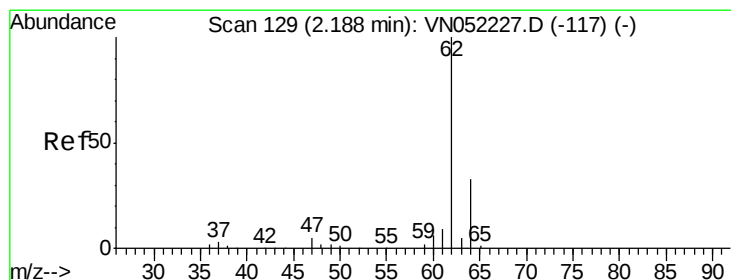
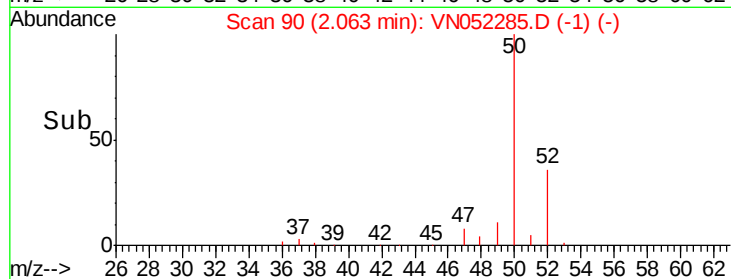
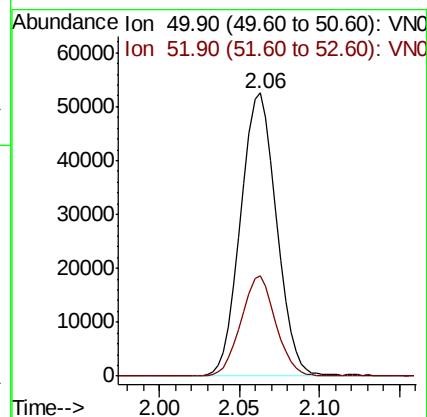
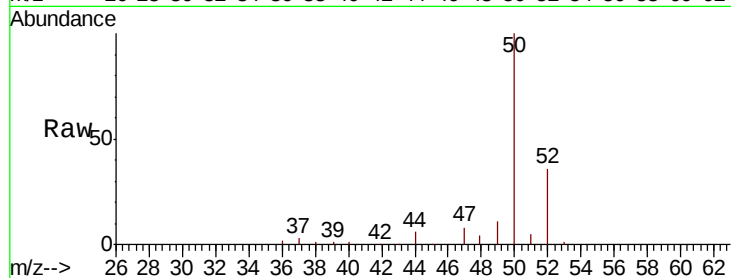
52 35.6 25.7 38.5

Manual Integrations

APPROVED

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11/14/2018 11:10:23 AM



#4

Vinyl Chloride

Concen: 19.356 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052285.D

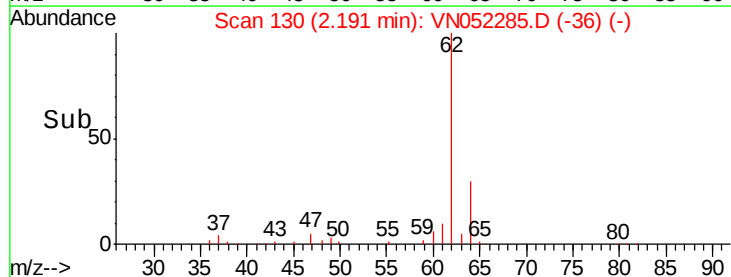
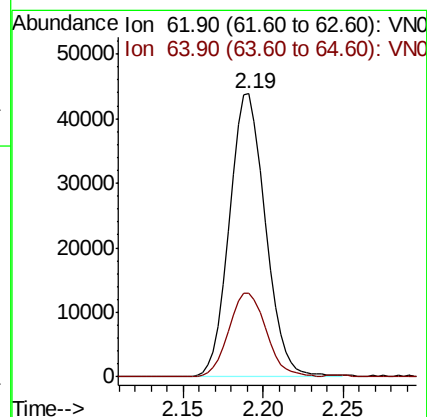
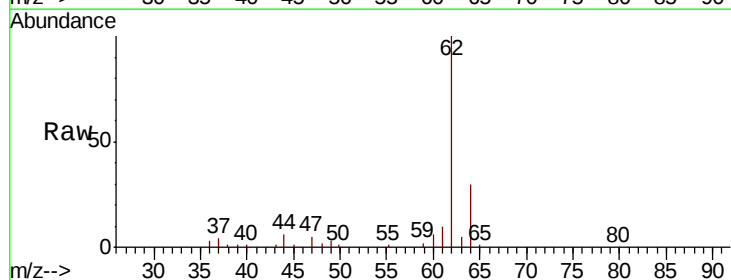
Acq: 13 Nov 2018 14:37

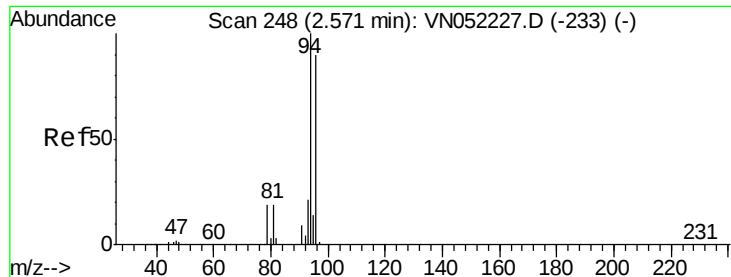
Tgt Ion: 62 Resp: 67559

Ion Ratio Lower Upper

62 100

64 29.8 26.1 39.1





#5

Bromomethane

Concen: 18.822 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS02

Tot Ion: 94 Resp: 41682

Ion Ratio Lower Upper

94 100

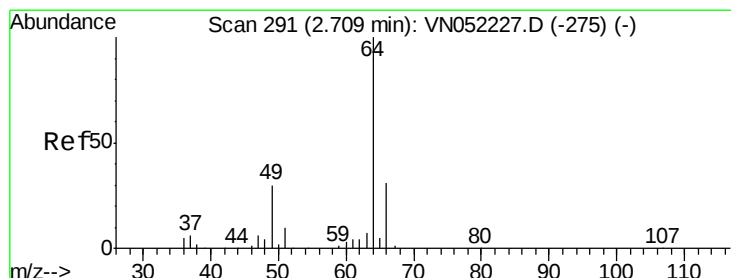
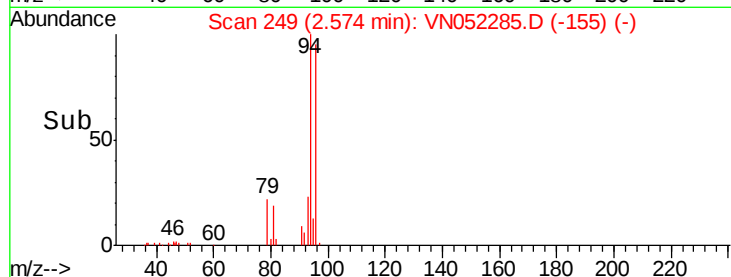
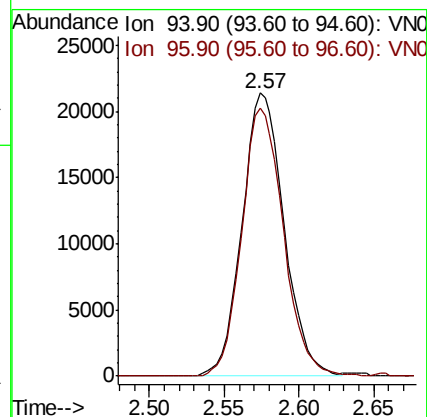
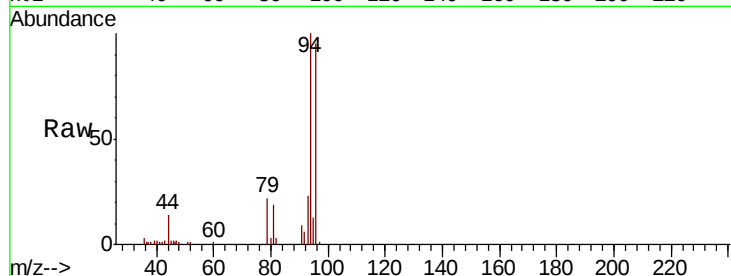
96 94.9 71.8 107.8

Manual Integrations

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#6

Chloroethane

Concen: 19.077 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052285.D

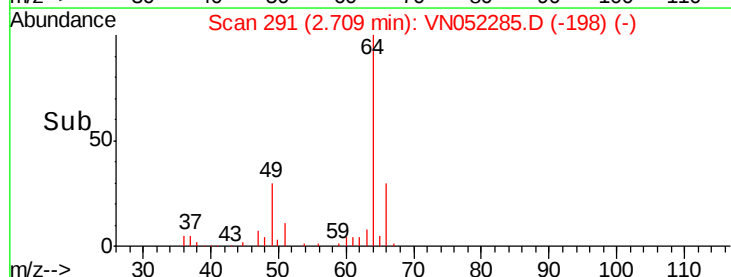
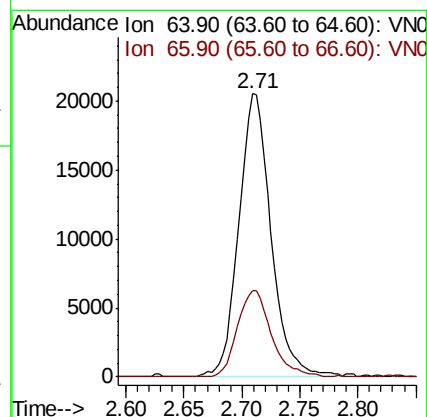
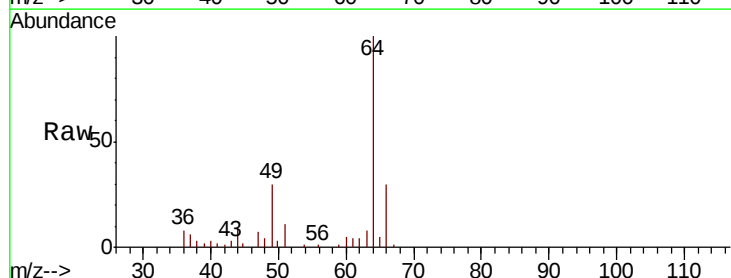
Acq: 13 Nov 2018 14:37

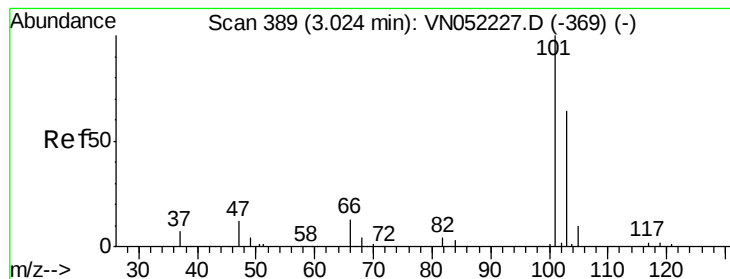
Tgt Ion: 64 Resp: 39541

Ion Ratio Lower Upper

64 100

66 30.4 24.6 36.8





#7

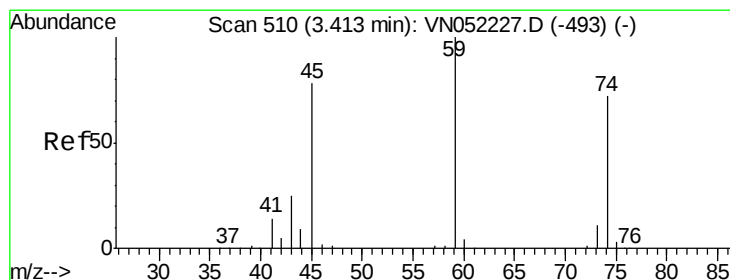
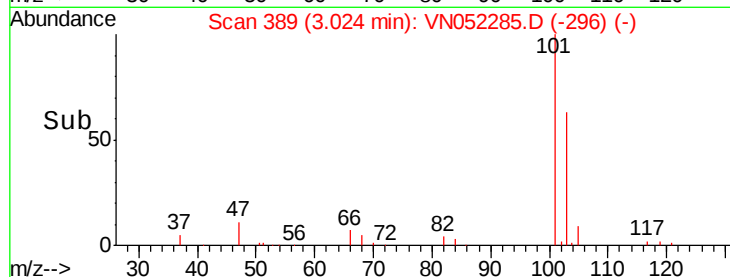
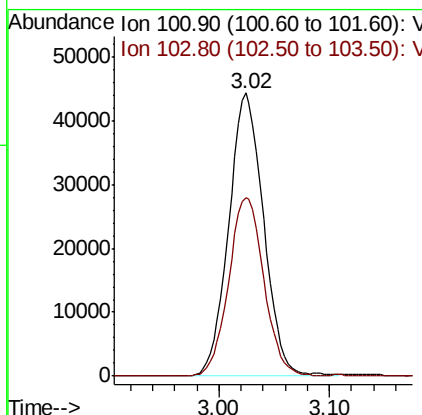
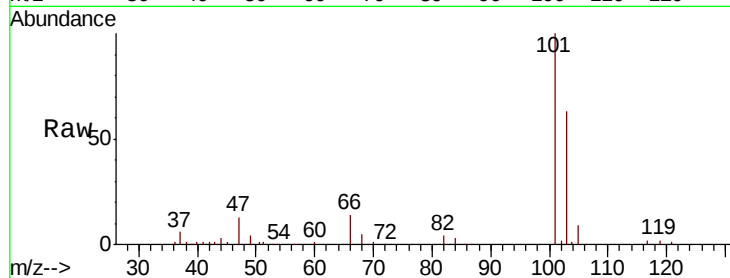
Trichlorofluoromethane
Concen: 19.965 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion:101 Resp: 97003
Ion Ratio Lower Upper
101 100
103 63.0 51.2 76.8

Manual Integrations
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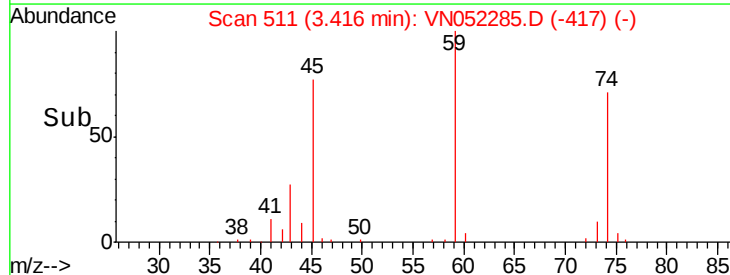
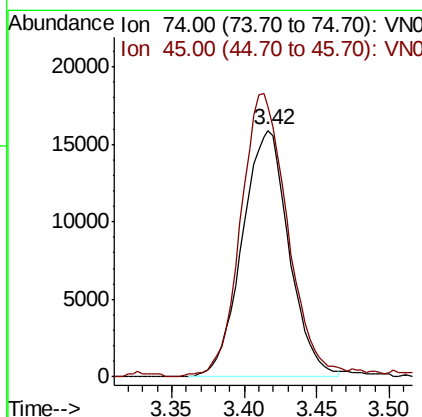
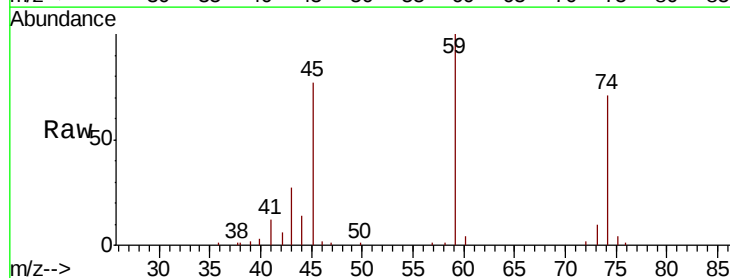
MMDadoda
11/14/2018 11:10:23 AM

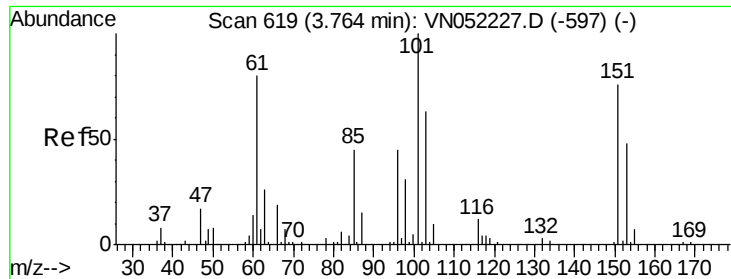


#8

Diethyl Ether
Concen: 18.655 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion: 74 Resp: 35658
Ion Ratio Lower Upper
74 100
45 115.3 55.5 166.7





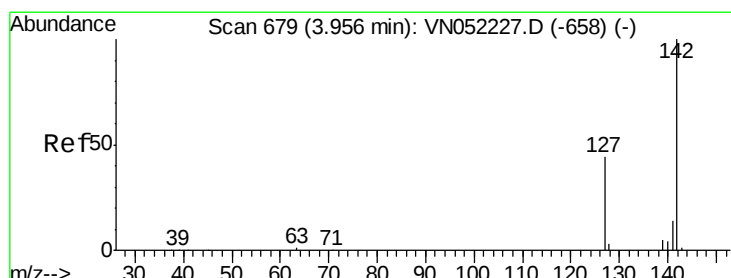
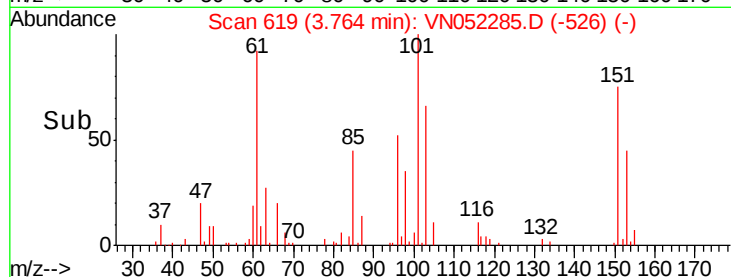
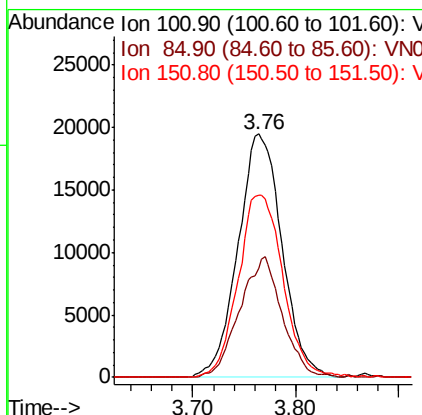
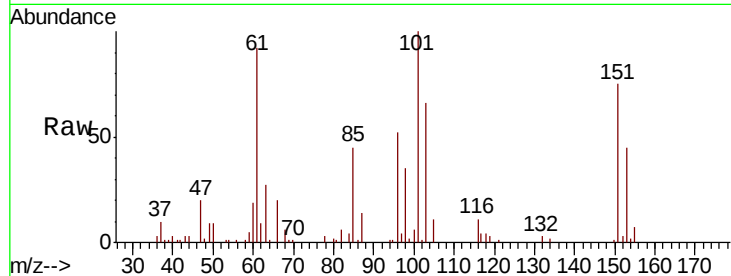
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.504 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

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 VN1113WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.9	36.2	54.4
151	76.5	59.2	88.8

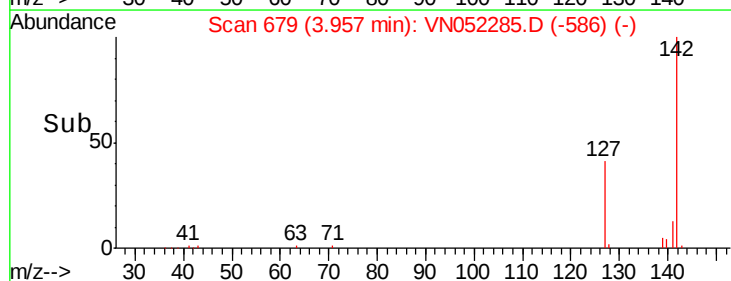
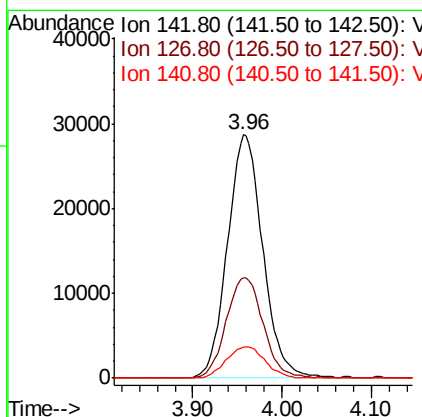
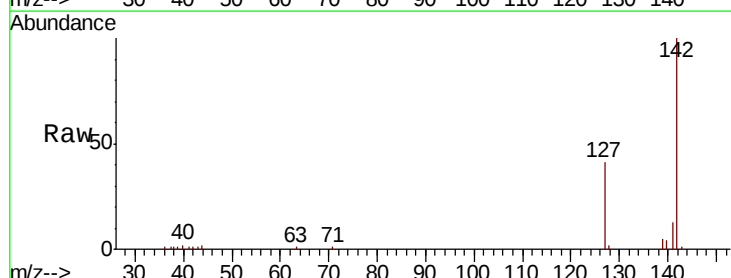
Manual Integrations
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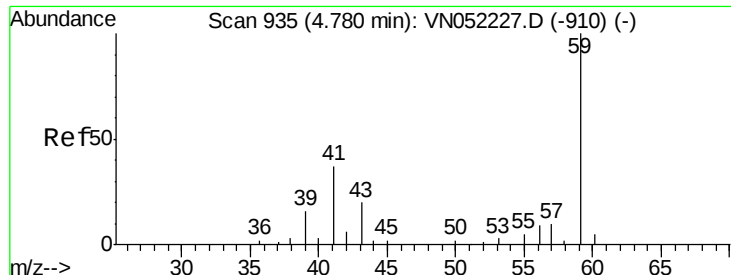
MMDadoda
 11/14/2018 11:10:23 AM



#10
 Methyl Iodide
 Concen: 19.486 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.0	35.3	52.9
141	14.0	11.8	17.6





#11

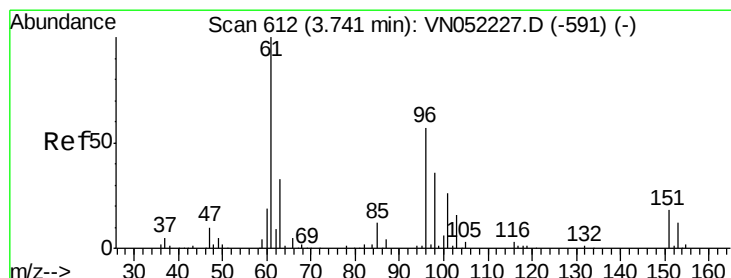
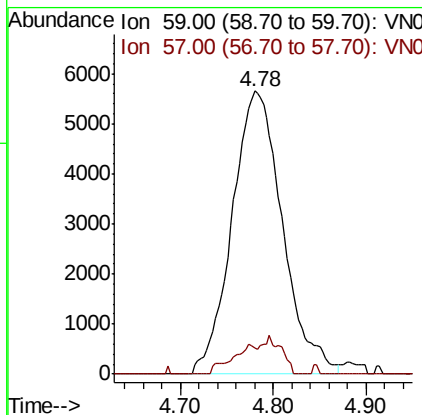
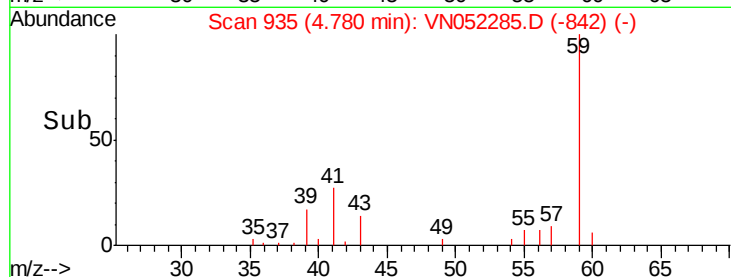
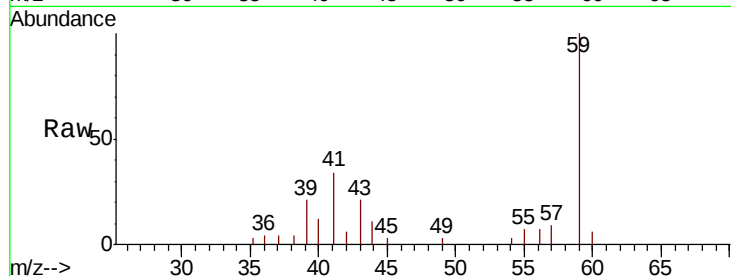
Tert butyl alcohol
Concen: 110.263 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.8	13.2#

Manual Integrations
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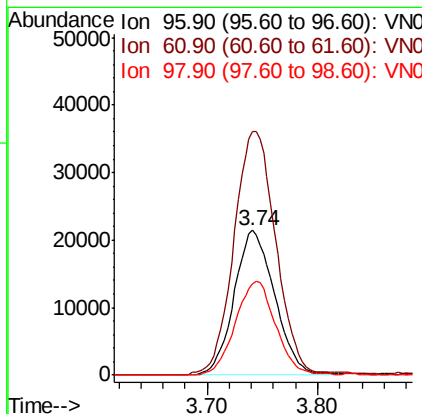
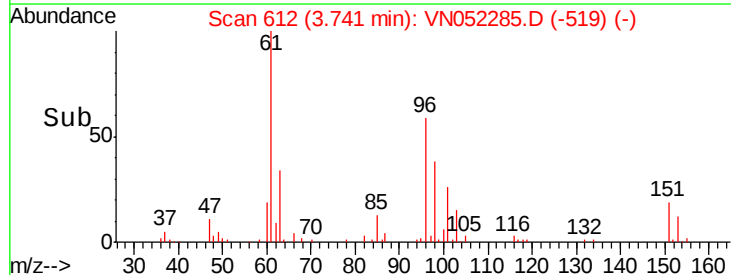
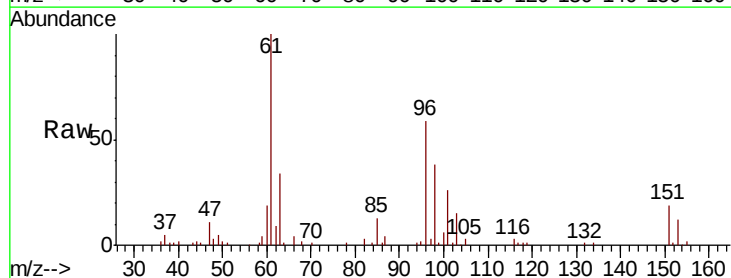
MMDadoda
11/14/2018 11:10:23 AM

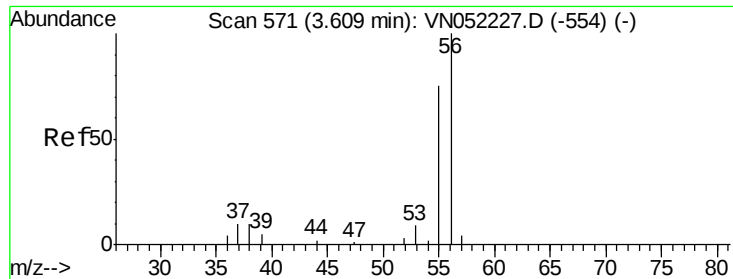


#12

1,1-Dichloroethene
Concen: 18.933 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.3	141.1	211.7
98	63.5	50.3	75.5





#13

Acrolein

Concen: 106.099 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS02

Tot Ion: 56 Resp: 25033

Ion Ratio Lower Upper

56 100

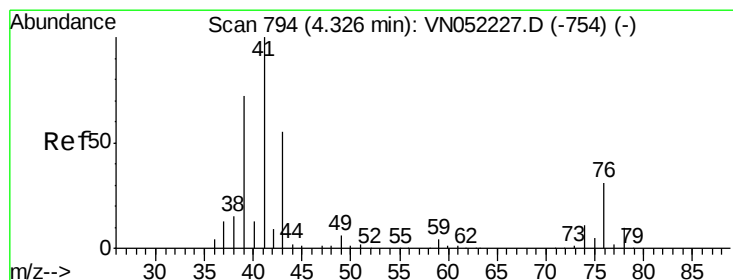
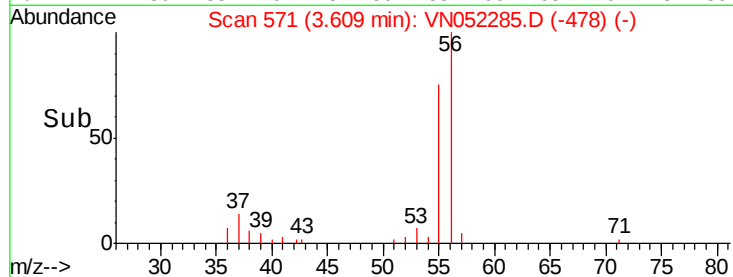
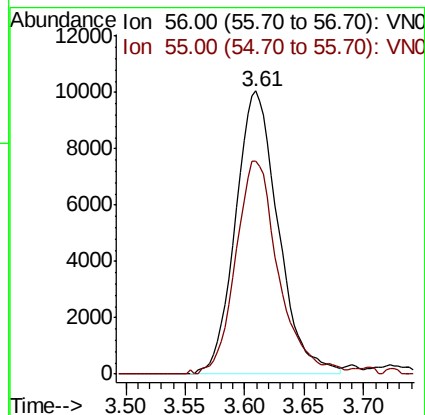
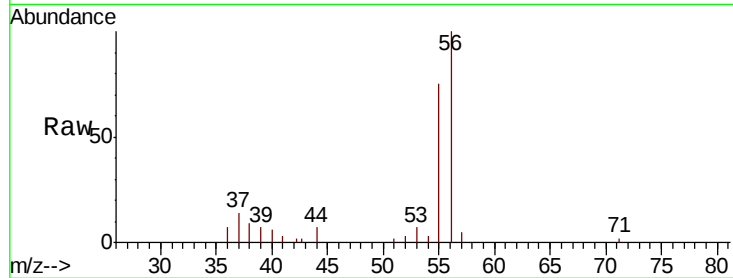
55 74.2 59.9 89.9

Manual Integrations

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11/14/2018 11:10:23 AM



#14

Allyl chloride

Concen: 18.309 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

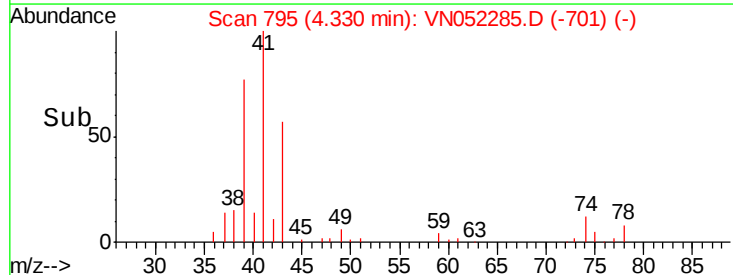
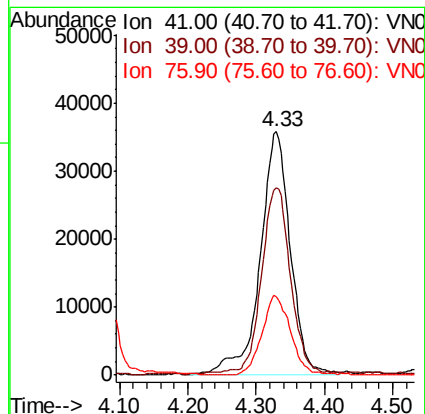
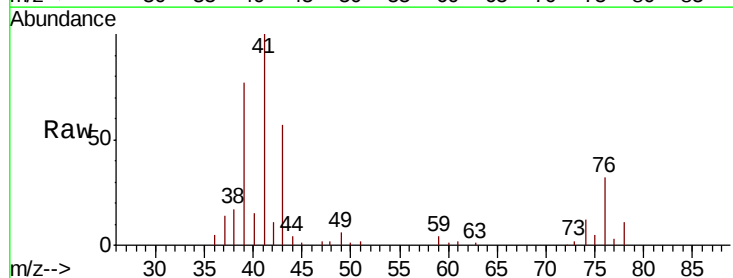
Tgt Ion: 41 Resp: 110605

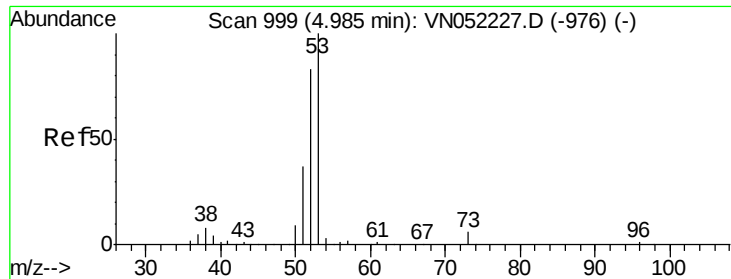
Ion Ratio Lower Upper

41 100

39 70.2 55.1 82.7

76 30.4 23.6 35.4





#15

Acrylonitrile

Concen: 97.380 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

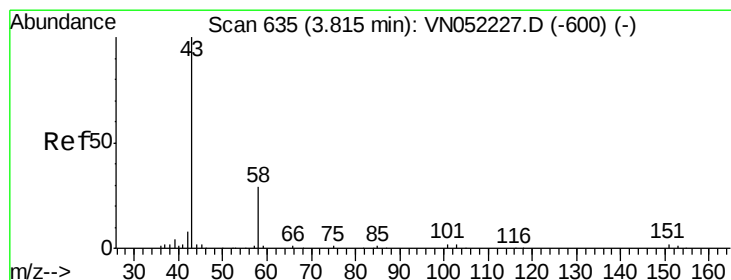
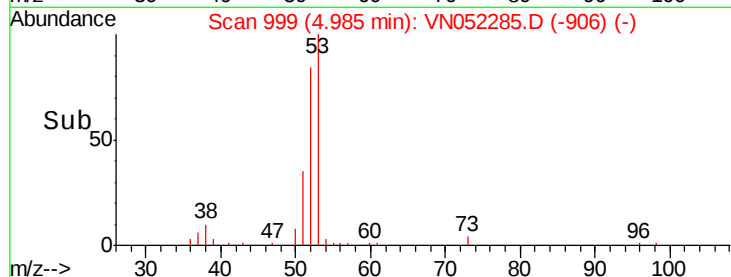
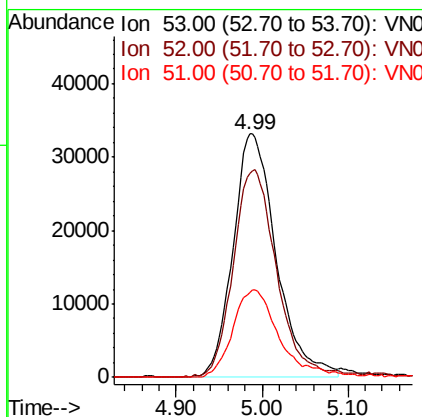
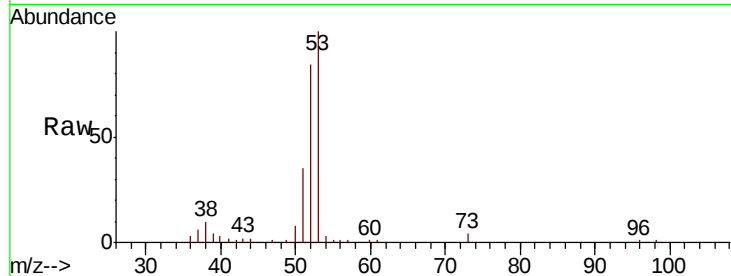
ClientSampleId :

VN1113WBS02

Tot Ion:	53	Resp:	115802
Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.7	100.1
51	38.8	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 89.559 ug/l

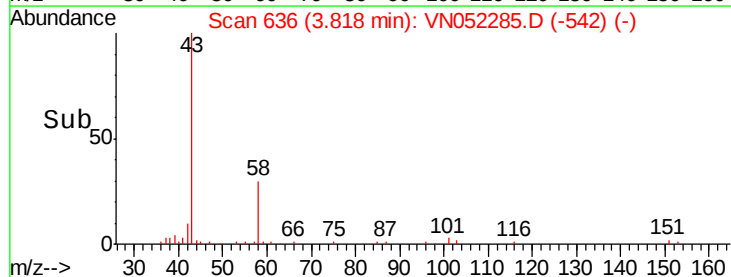
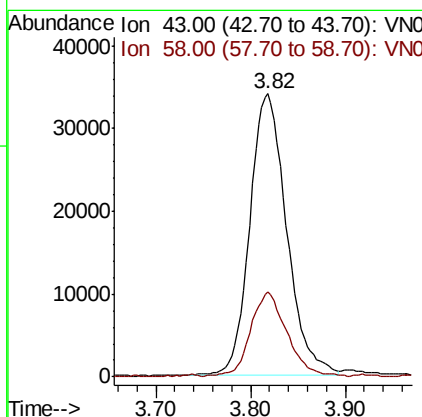
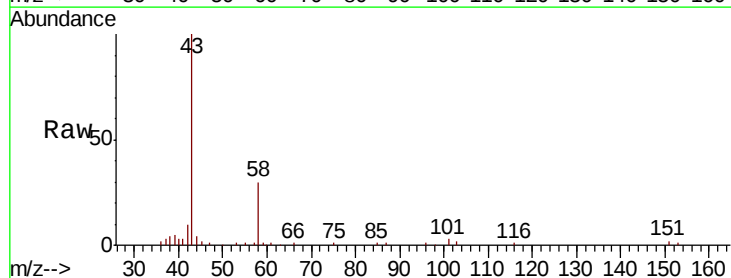
RT: 3.82 min Scan# 636

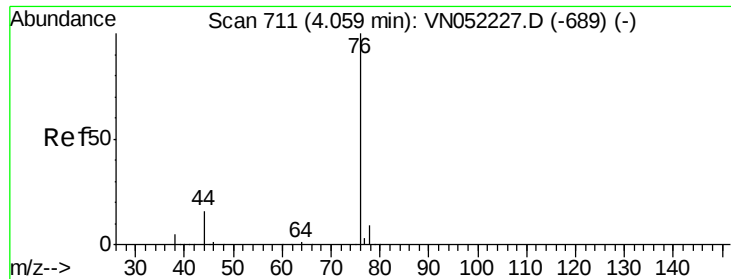
Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Tgt Ion:	43	Resp:	91982
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.0	34.6





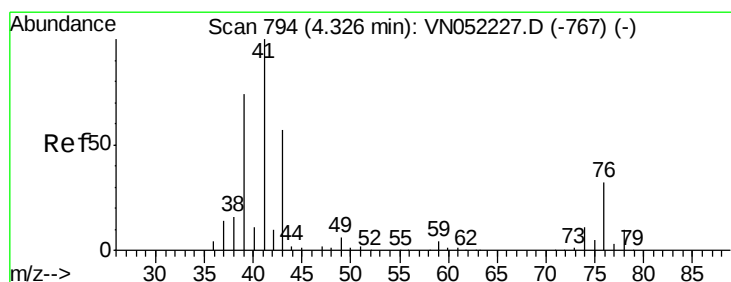
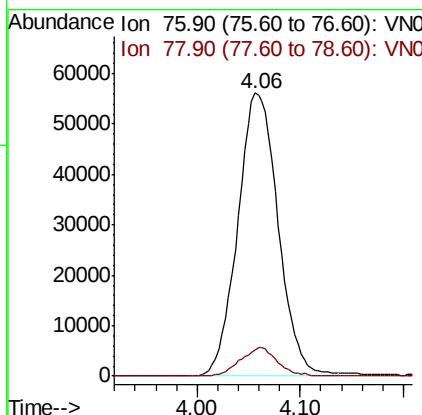
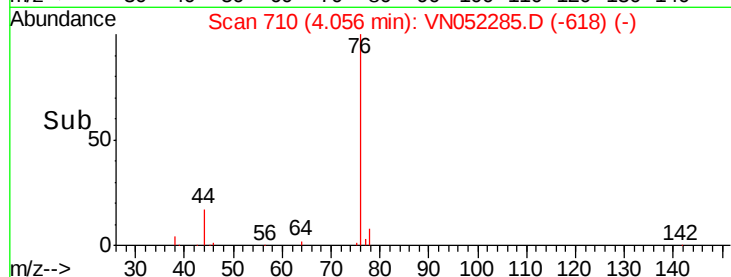
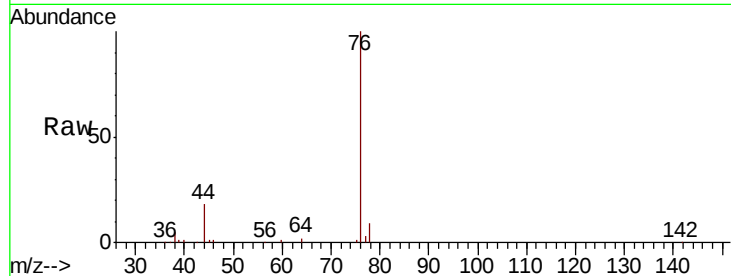
#17
Carbon Disulfide
Concen: 18.241 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

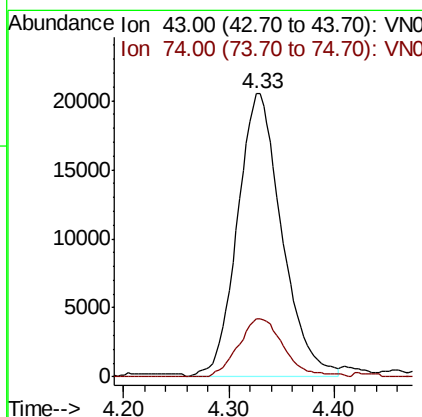
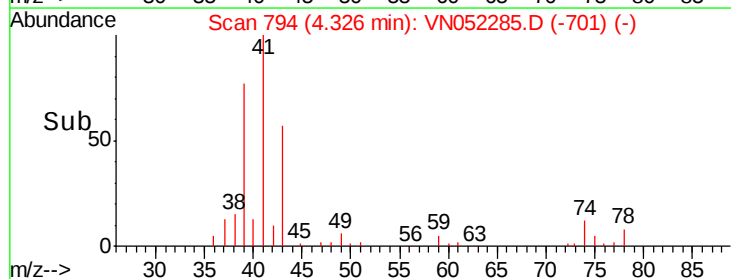
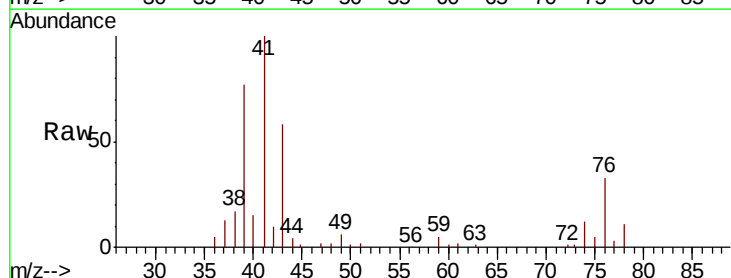
Manual Integrations
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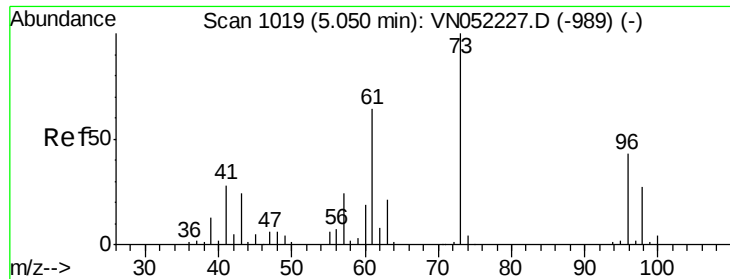
MMDadoda
11/14/2018 11:10:23 AM



#18
Methyl Acetate
Concen: 19.093 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.2	24.2





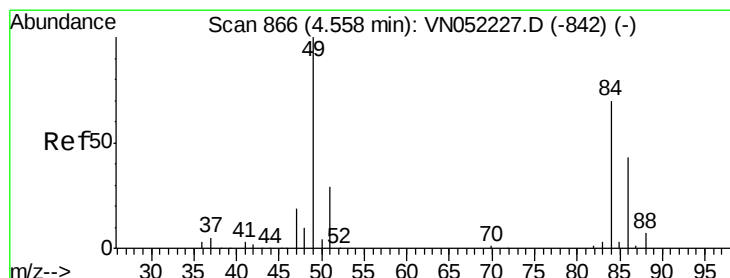
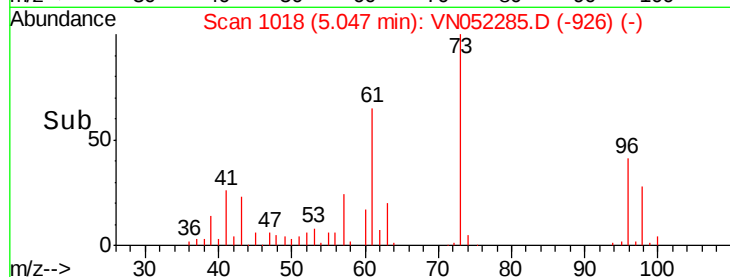
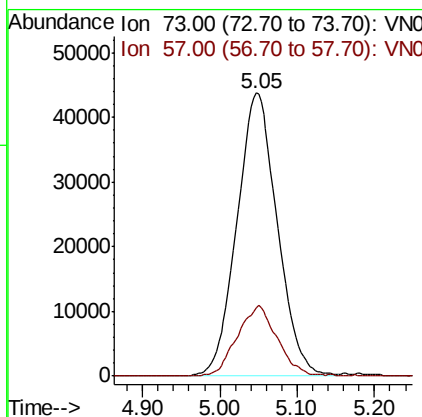
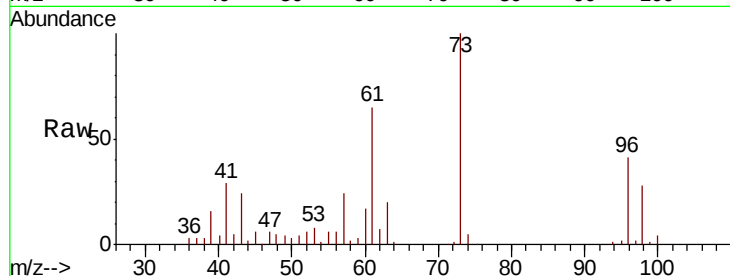
#19
Methvl tert-butvl Ether
Concen: 19.313 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion: 73 Resp: 159207
Ion Ratio Lower Upper
73 100
57 24.2 19.1 28.7

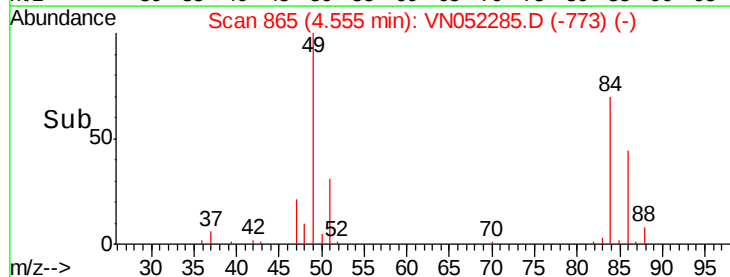
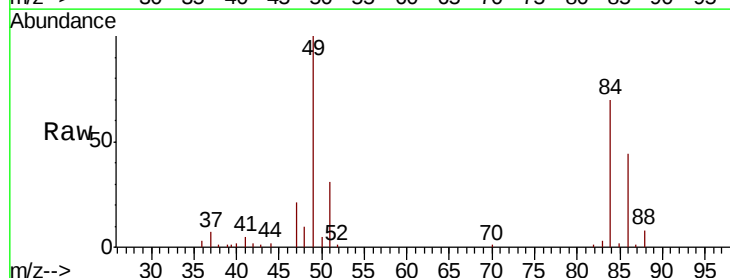
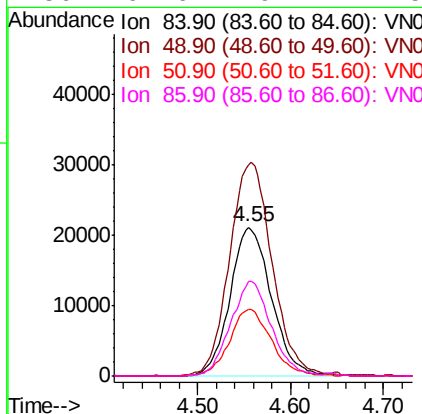
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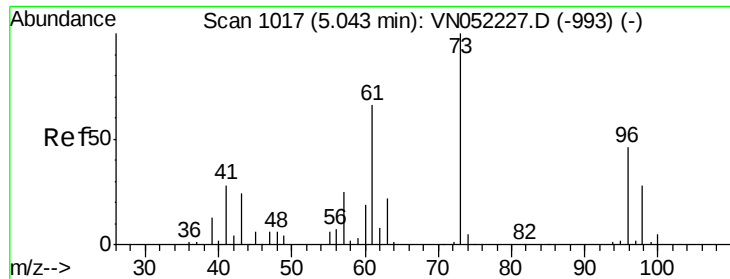
MMDadoda
11/14/2018 11:10:23 AM



#20
Methylene Chloride
Concen: 19.008 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion: 84 Resp: 65406
Ion Ratio Lower Upper
84 100
49 141.5 114.8 172.2
51 44.7 33.1 49.7
86 62.6 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 18.244 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS02

Tot Ion: 96 Resp: 57211

Ion Ratio Lower Upper

96 100

61 156.5 115.3 172.9

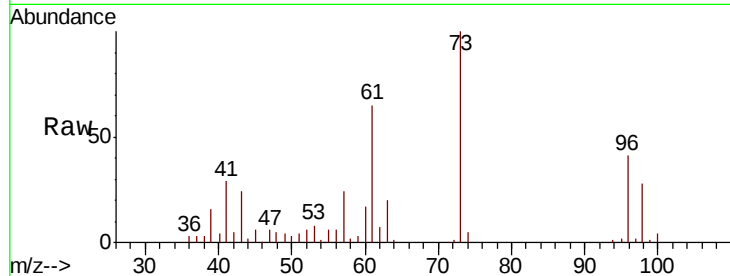
98 69.1 49.5 74.3

Manual Integrations

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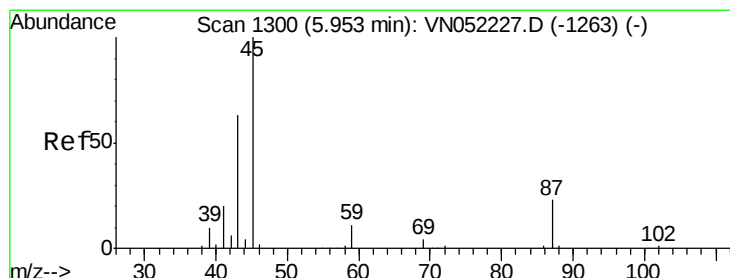
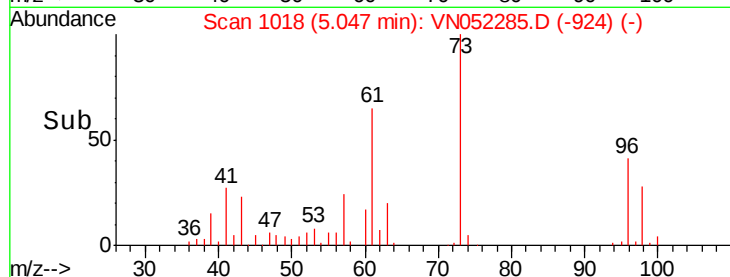
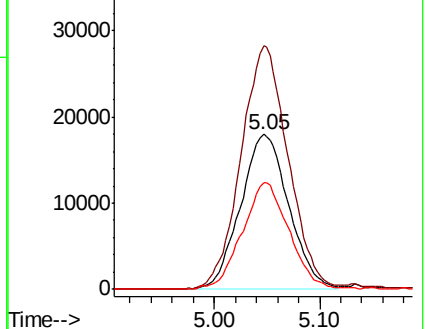
11/14/2018 11:10:23 AM



Abundance Ion 95.90 (95.60 to 96.60): VN052227.D (-993) (-)

Ion 60.90 (60.60 to 61.60): VN052227.D (-993) (-)

Ion 97.90 (97.60 to 98.60): VN052227.D (-993) (-)



#22

Diisopropyl ether

Concen: 19.266 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Tgt Ion: 45 Resp: 233312

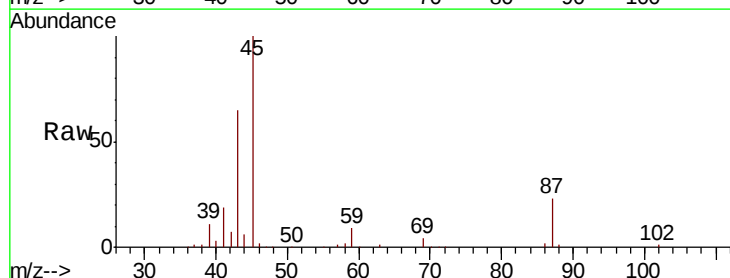
Ion Ratio Lower Upper

45 100

43 64.0 50.6 76.0

87 23.2 19.0 28.4

59 9.2 8.6 13.0

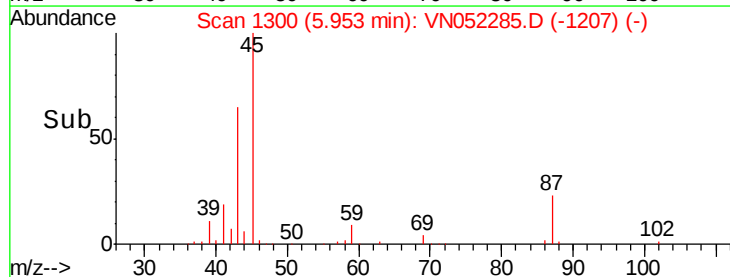
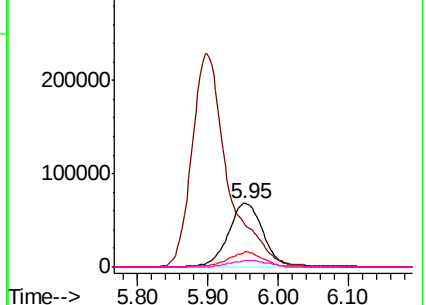


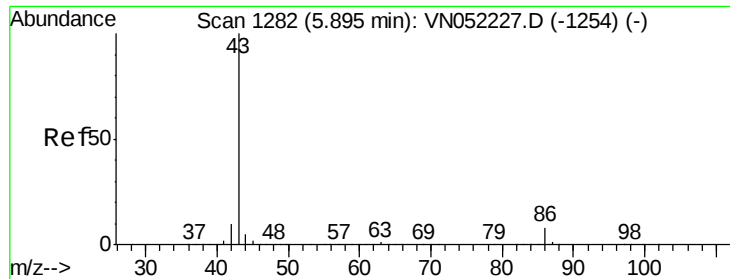
Abundance Ion 45.00 (44.70 to 45.70): VN052227.D (-1263) (-)

Ion 43.00 (42.70 to 43.70): VN052227.D (-1263) (-)

Ion 87.00 (86.70 to 87.70): VN052227.D (-1263) (-)

Ion 59.00 (58.70 to 59.70): VN052227.D (-1263) (-)





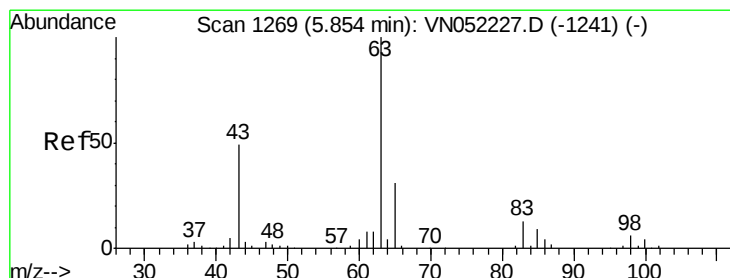
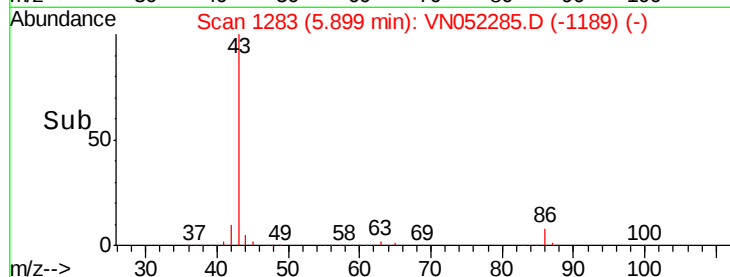
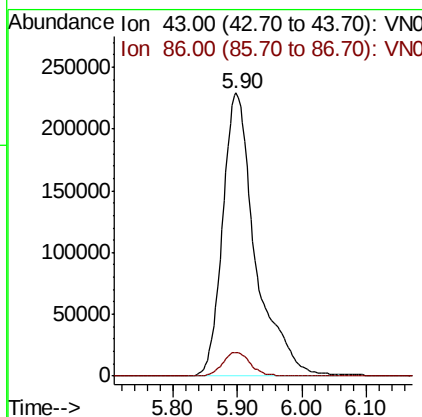
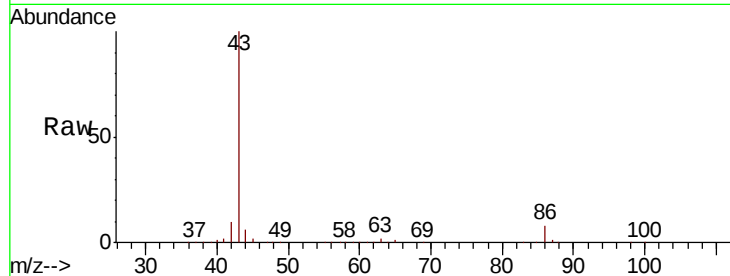
#23
 Vinyl Acetate
 Concen: 97.672 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion	43	86	Resp	811625
Ion Ratio	100	8.4	Lower	Upper
			6.7	10.1

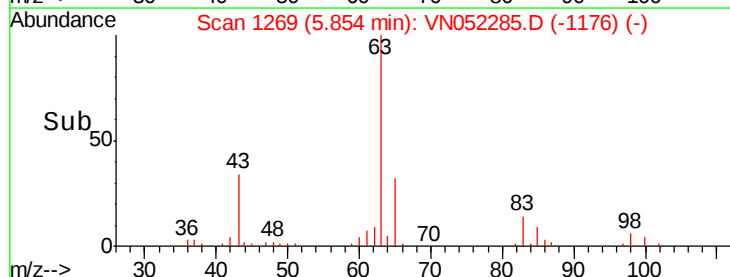
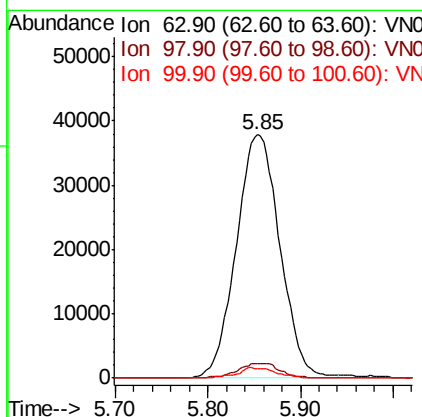
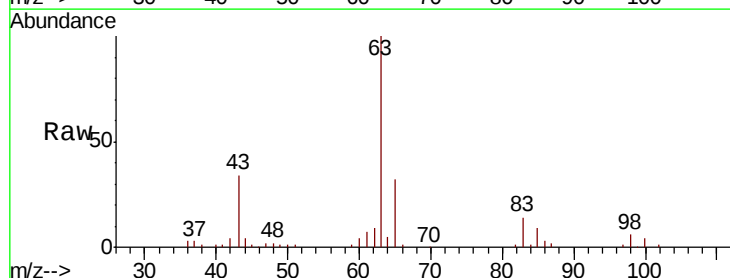
Manual Integrations
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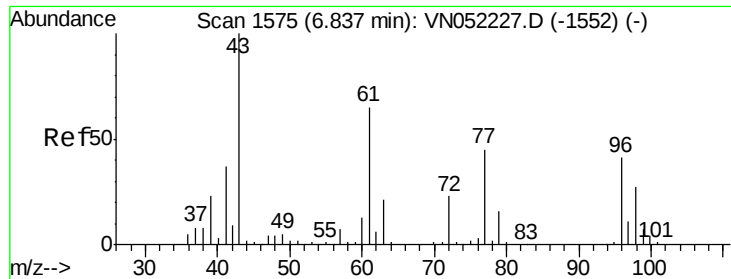
MMDadoda
 11/14/2018 11:10:23 AM



#24
 1,1-Dichloroethane
 Concen: 19.323 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion	63	98	100	Resp	123598
Ion Ratio	100	6.1	3.9	Lower	Upper
		2.9	2.1	8.6	6.2





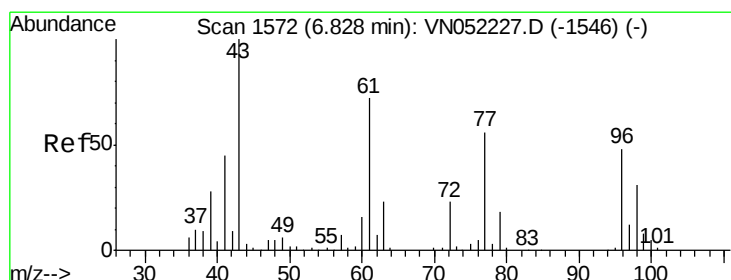
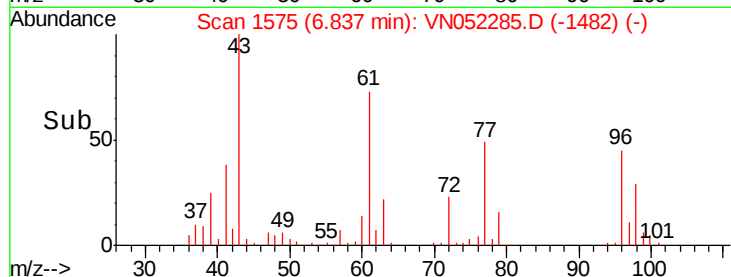
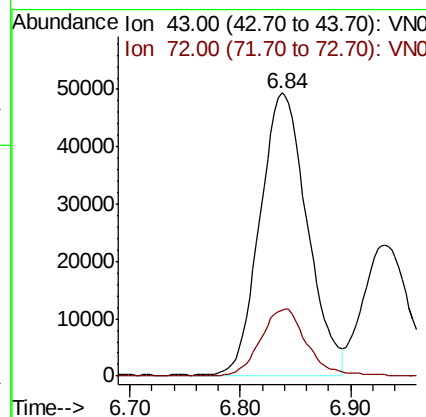
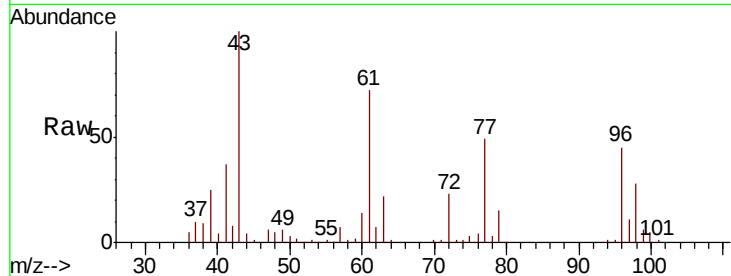
#25
2-Butanone
Concen: 90.514 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion: 43 Resp: 145745
Ion Ratio Lower Upper
43 100
72 23.2 18.6 27.8

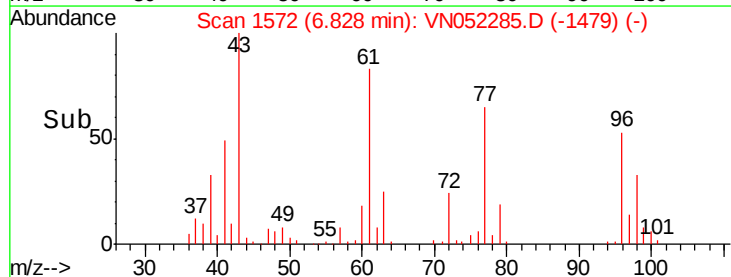
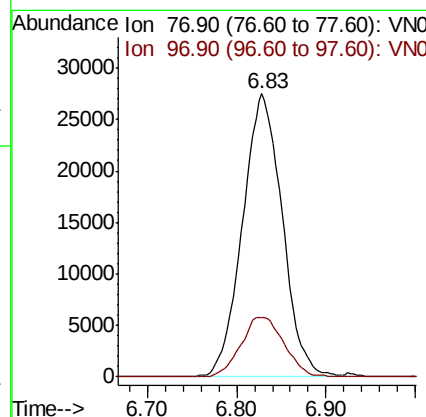
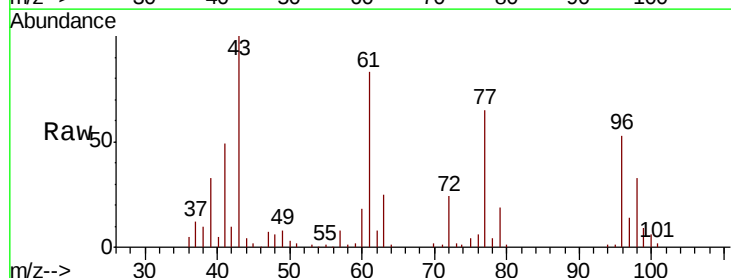
Manual Integrations
APPROVED

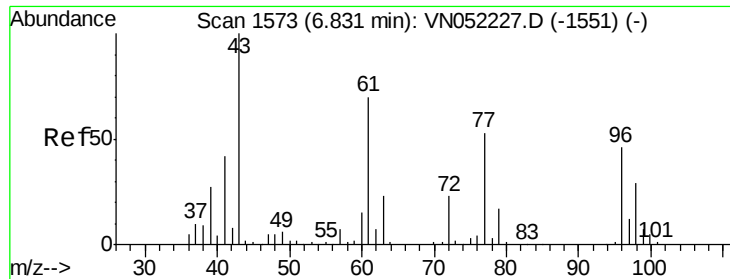
MMDadoda
11/14/2018 11:10:23 AM



#26
2,2-Dichloropropane
Concen: 18.244 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion: 77 Resp: 85233
Ion Ratio Lower Upper
77 100
97 22.8 11.2 33.5





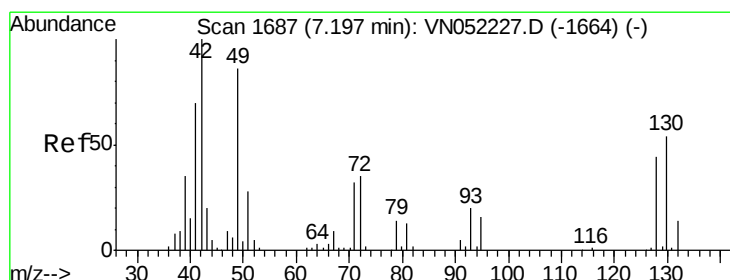
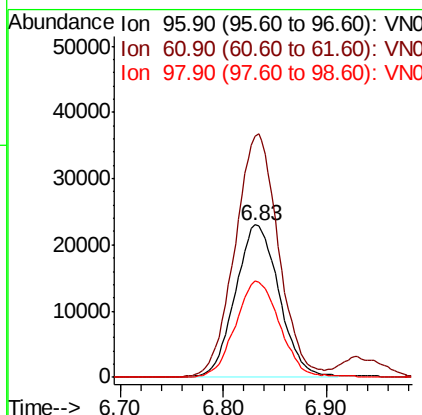
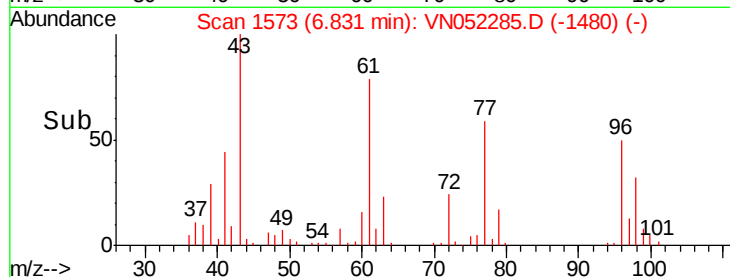
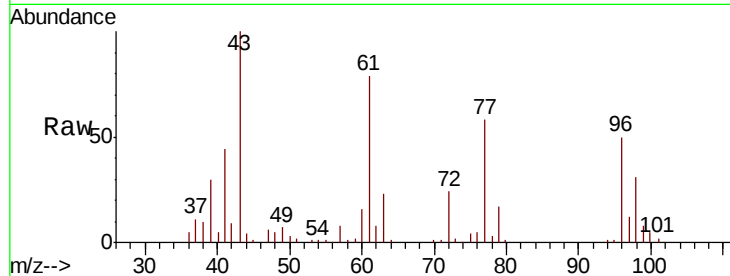
#27
 cis-1,2-Dichloroethene
 Concen: 19.374 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	313.4
98	63.9	0.0	129.8

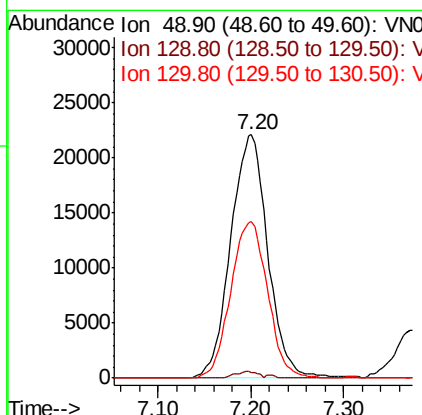
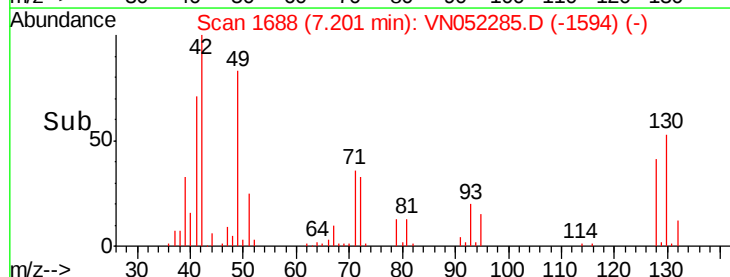
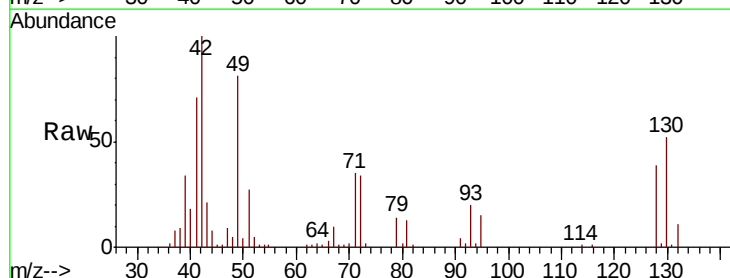
Manual Integrations
 APPROVED

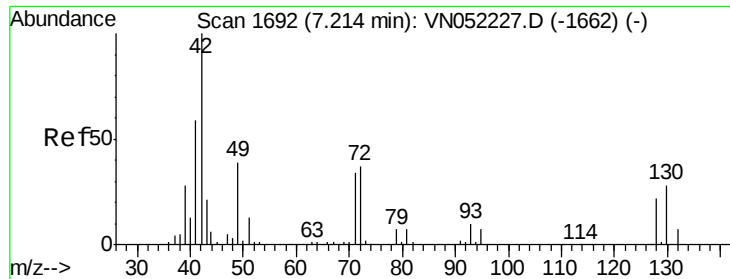
MMDadoda
 11/14/2018 11:10:23 AM



#28
 Bromochloromethane
 Concen: 19.387 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	63.8	51.4	77.2





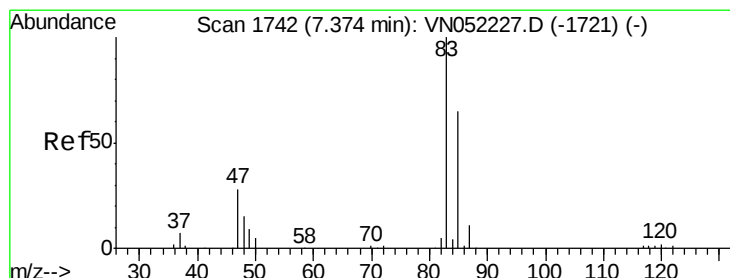
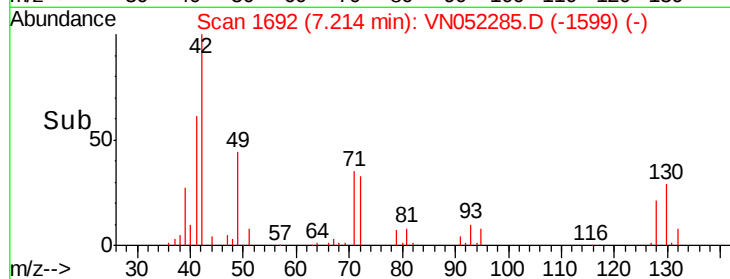
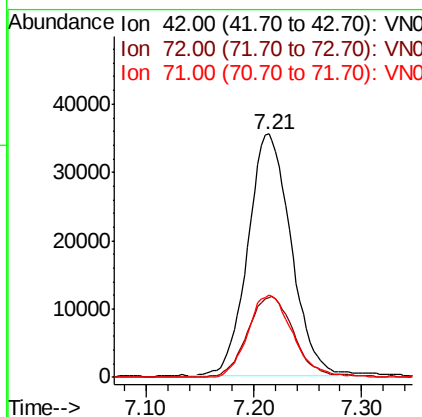
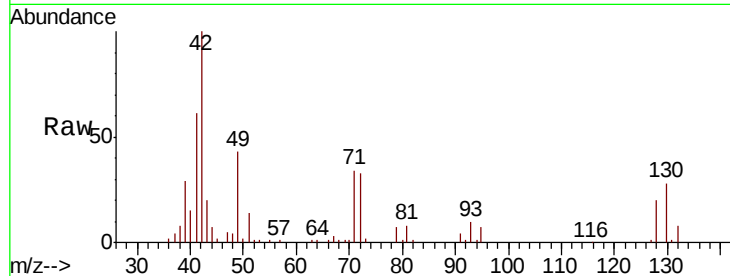
#29
Tetrahydrofuran
Concen: 93.978 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	28.6	43.0
71	35.1	27.1	40.7

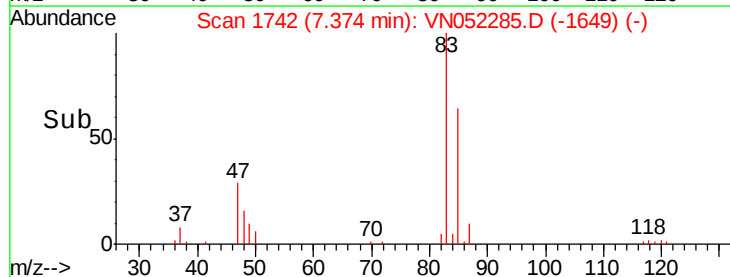
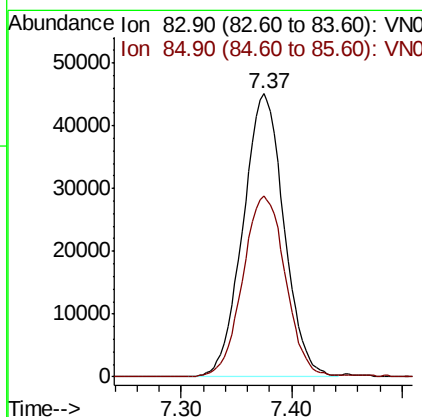
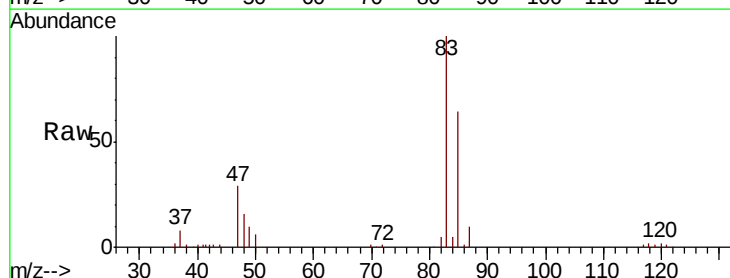
Manual Integrations
APPROVED

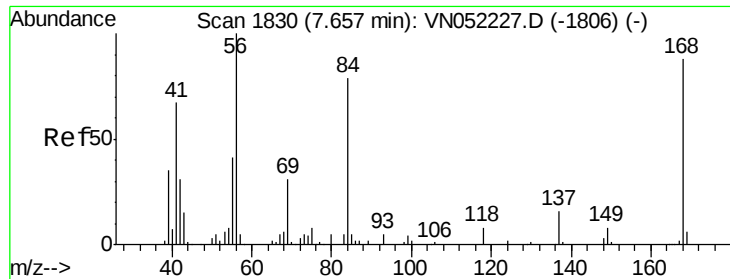
MMDadoda
11/14/2018 11:10:23 AM



#30
Chloroform
Concen: 19.238 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6





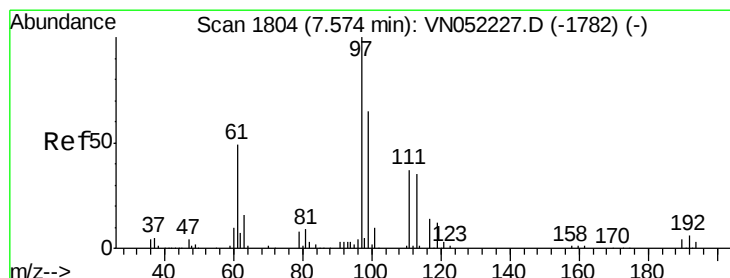
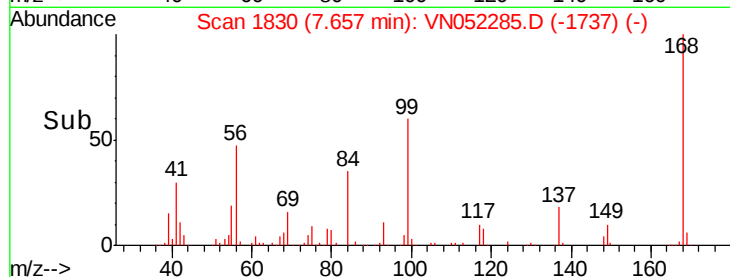
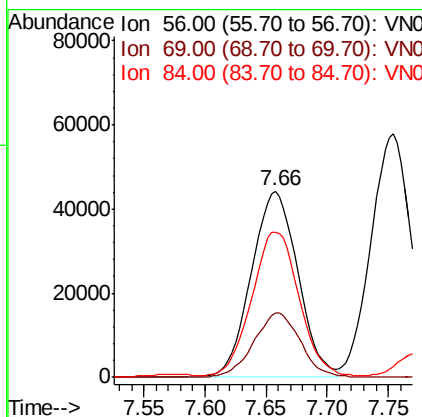
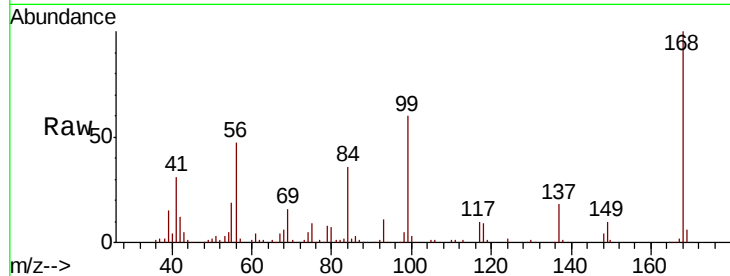
#31
Cyclohexane
Concen: 19.452 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	56	Resp	117517
Ion Ratio	Lower	Upper	
56	100		
69	34.7	24.8	37.2
84	76.6	63.1	94.7

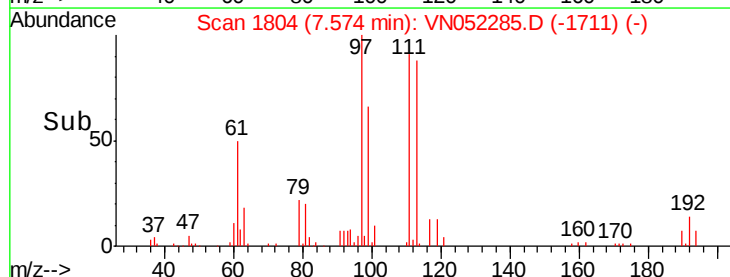
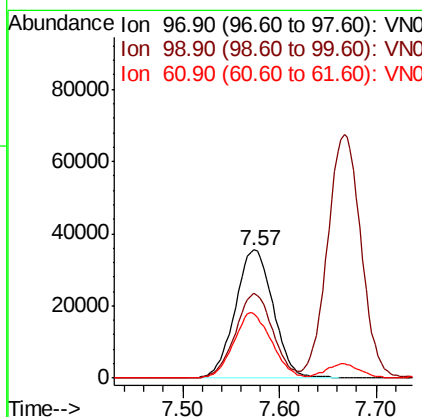
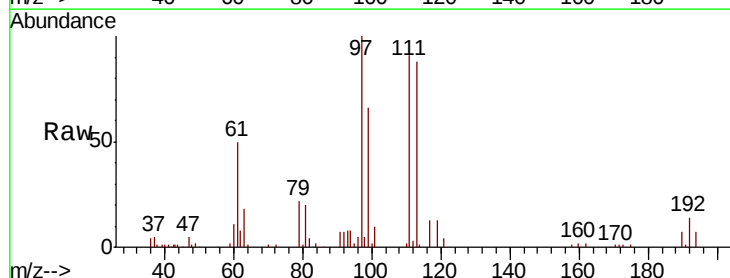
Manual Integrations
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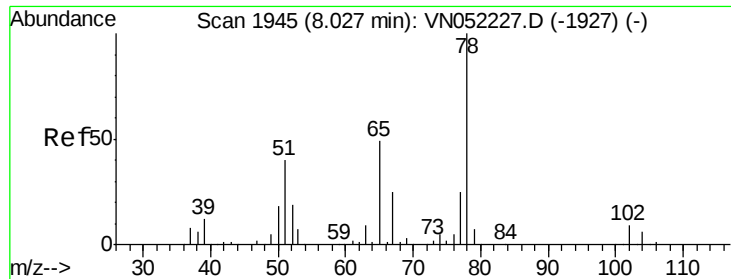
MMDadoda
11/14/2018 11:10:23 AM



#32
1,1,1-Trichloroethane
Concen: 19.700 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	97	Resp	97201
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.9	77.9
61	50.7	40.2	60.4





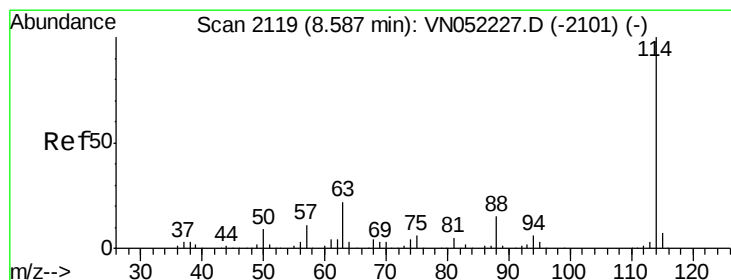
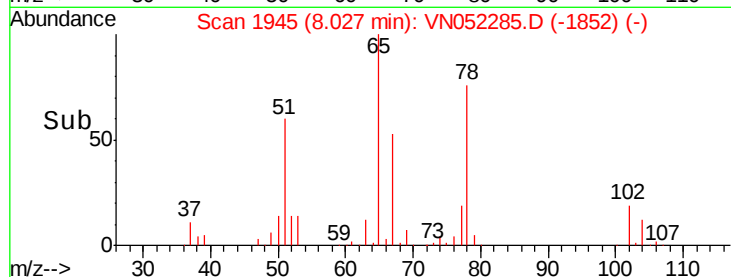
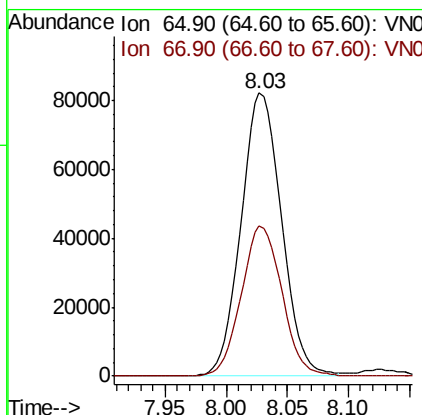
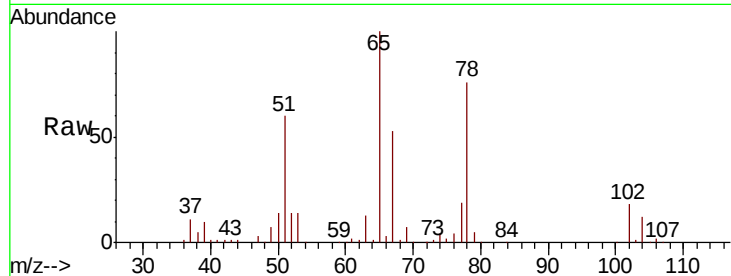
#33
 1,2-Dichloroethane-d4
 Concen: 19.700 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	188806		
67	53.4	0.0	106.6	

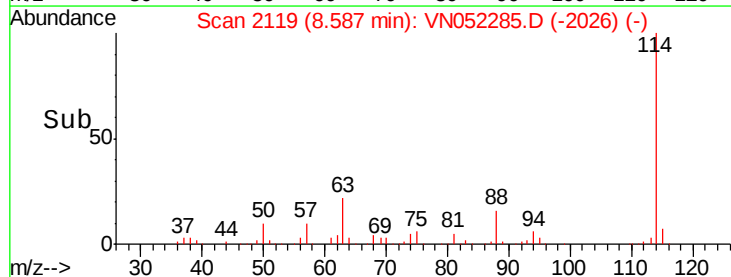
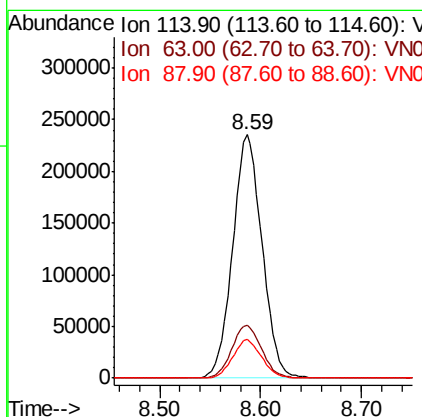
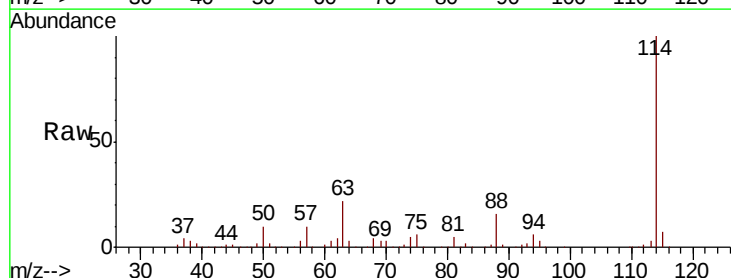
Manual Integrations
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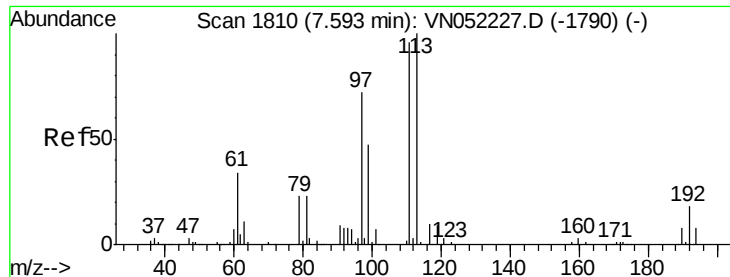
MMDadoda
 11/14/2018 11:10:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	476413		
63	21.5	0.0	43.4	
88	15.7	0.0	30.2	





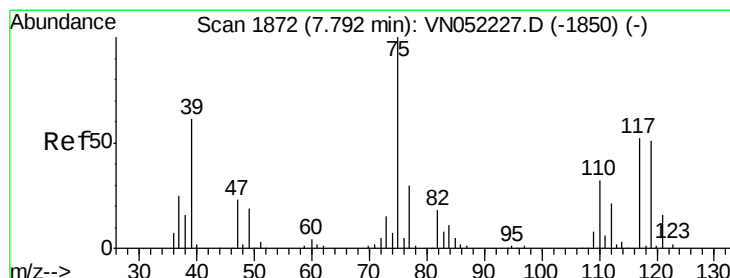
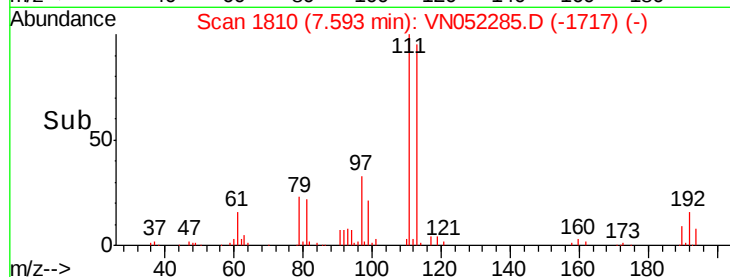
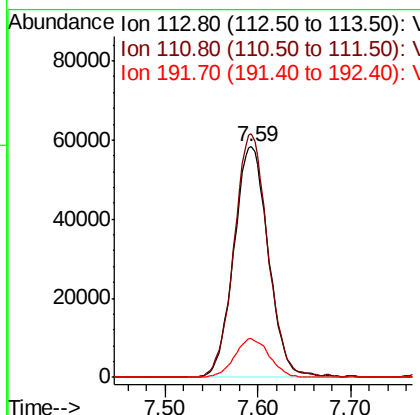
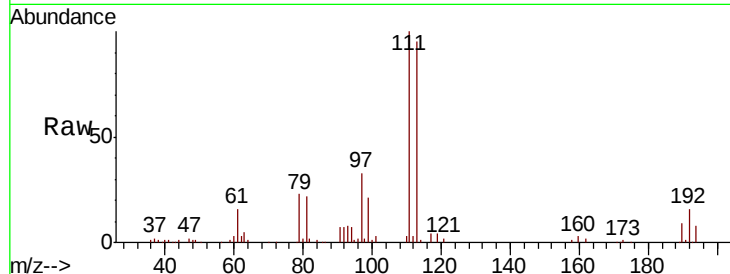
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150660		
111	103.2	80.2	120.4	
192	16.8	14.1	21.1	

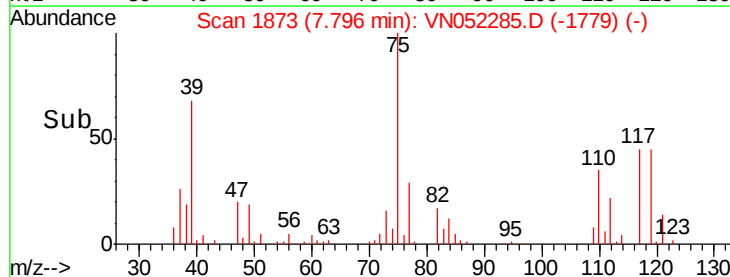
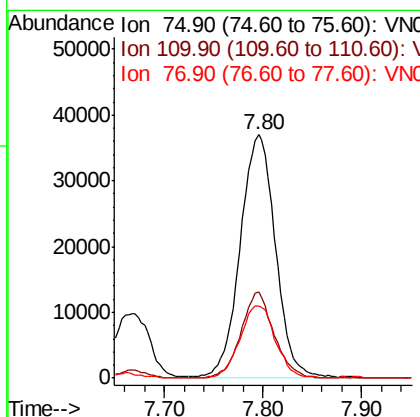
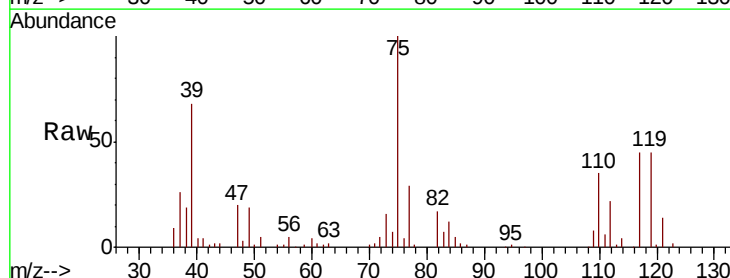
Manual Integrations
APPROVED

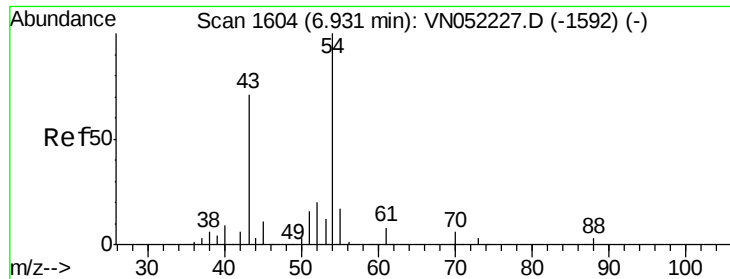
MMDadoda
11/14/2018 11:10:23 AM



#36
1,1-Dichloropropene
Concen: 18.842 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90605		
110	33.3	16.4	49.4	
77	30.2	23.9	35.9	





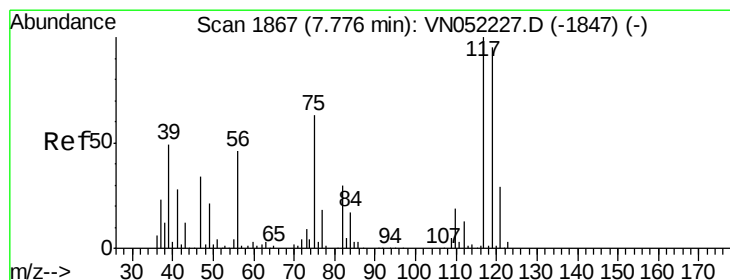
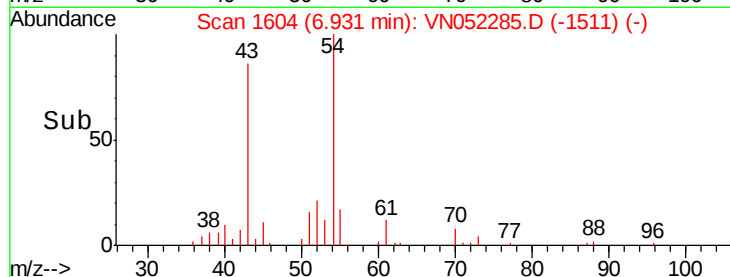
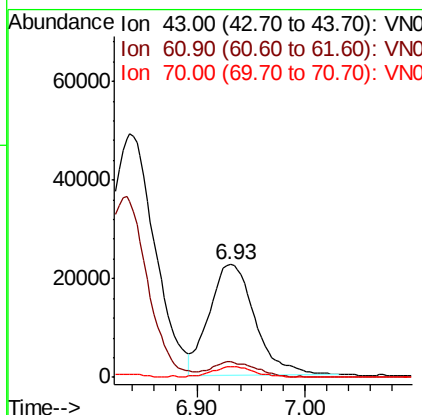
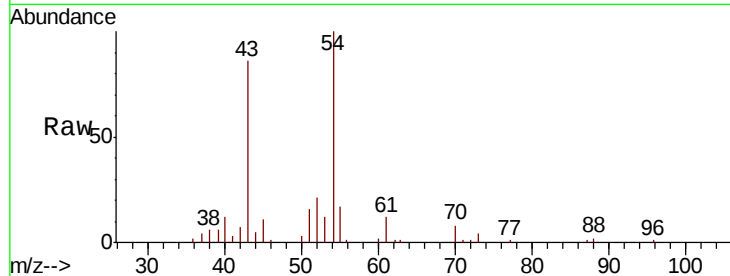
#37
Ethyl Acetate
Concen: 18.402 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	12.4	10.0	15.0	
70	9.2	6.9	10.3	

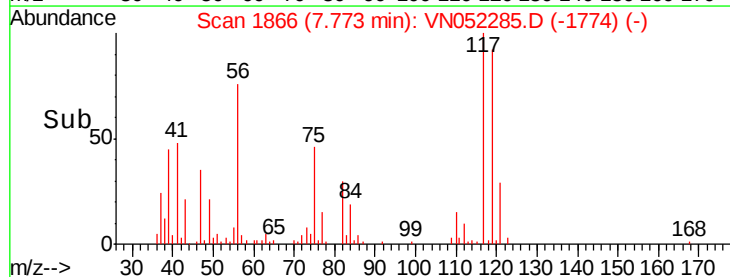
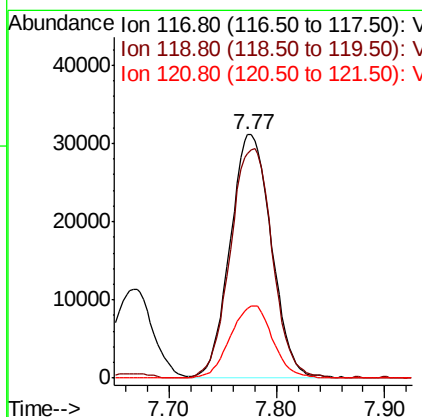
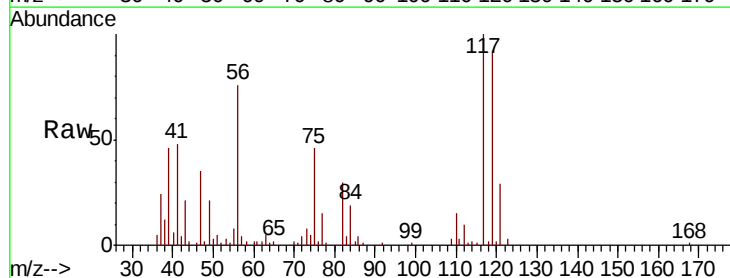
Manual Integrations
APPROVED

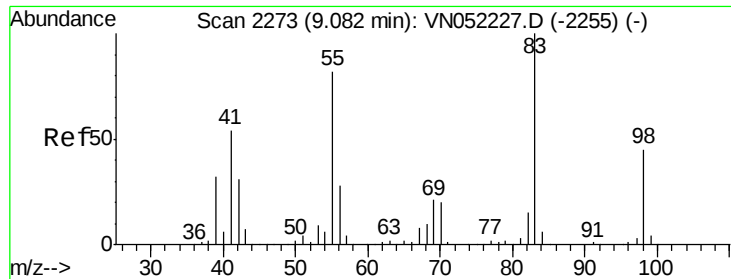
MMDadoda
11/14/2018 11:10:23 AM



#38
Carbon Tetrachloride
Concen: 19.048 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	92.4	75.8	113.8	
121	28.8	23.4	35.2	





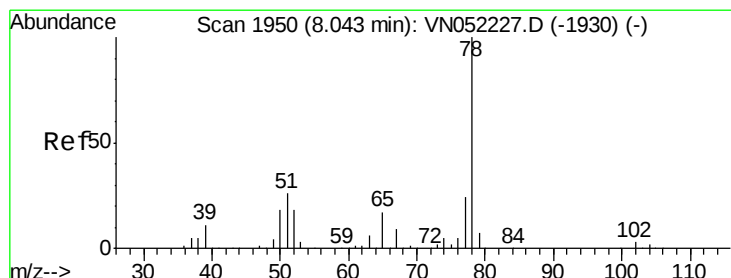
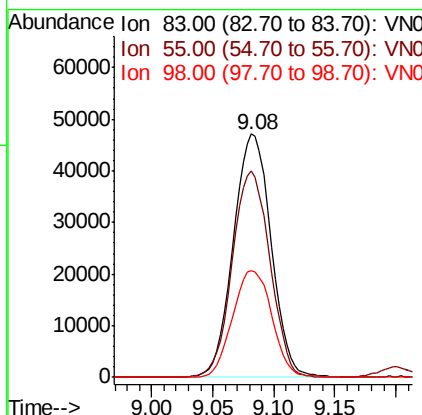
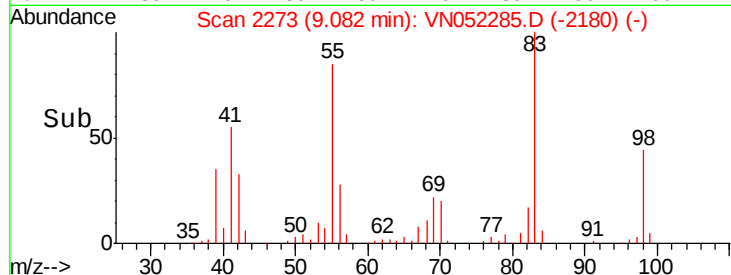
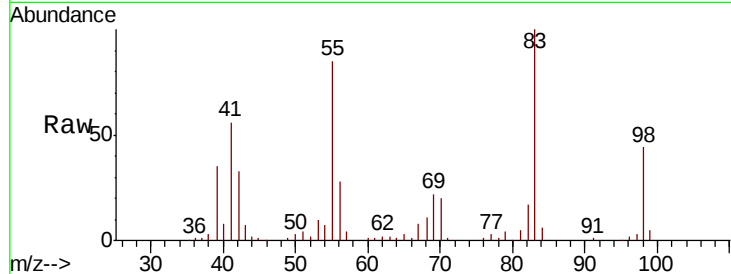
#39
Methvlcvclohexane
Concen: 18.409 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.6	65.2	97.8
98	44.1	36.3	54.5

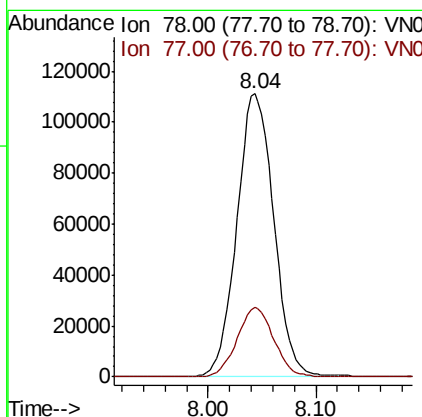
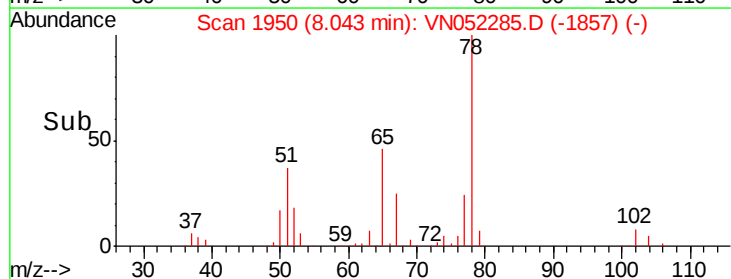
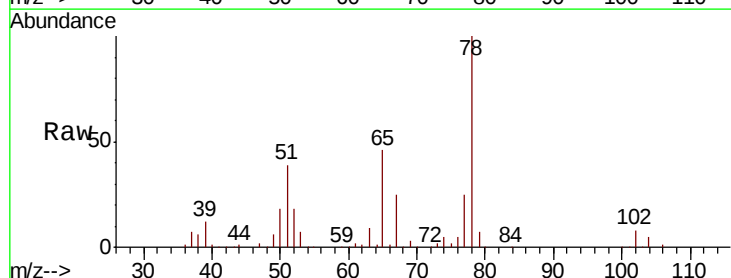
Manual Integrations
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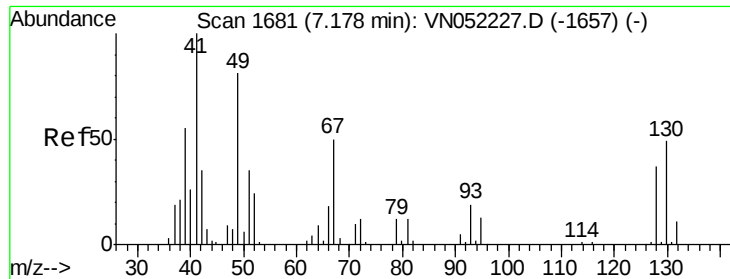
MMDadoda
11/14/2018 11:10:23 AM



#40
Benzene
Concen: 19.234 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8





#41

Methacrylonitrile

Concen: 18.650 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS02

Tot Ion: 41 Resp: 39194

Ion Ratio Lower Upper

41 100

39 56.8 47.8 71.6

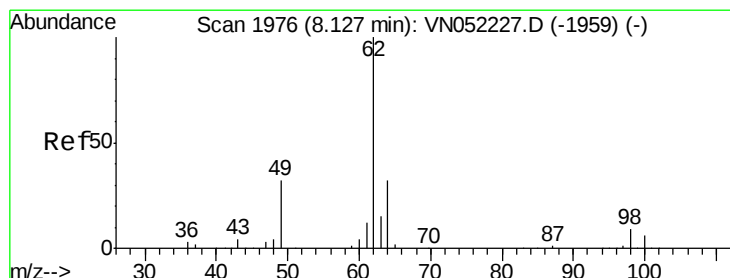
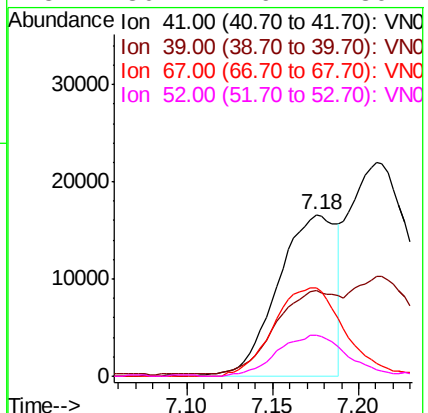
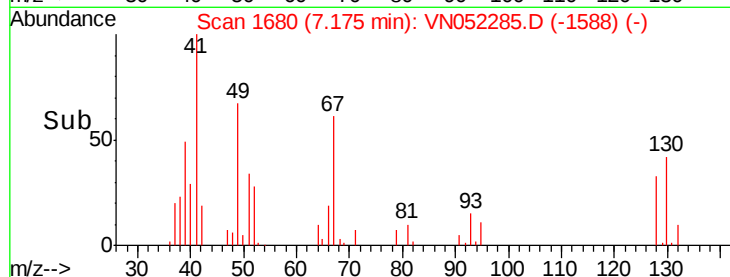
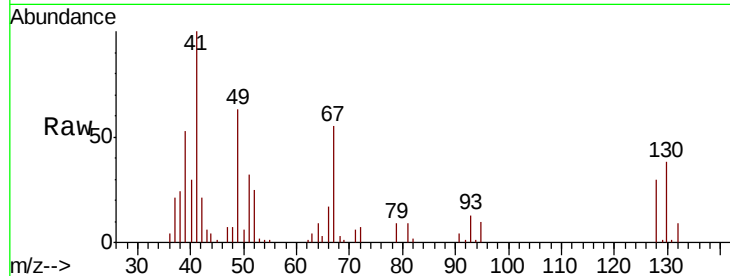
67 67.7 54.3 81.5

52 30.4 26.2 39.4

Manual Integrations
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MMDadoda

11/14/2018 11:10:23 AM



#42

1,2-Dichloroethane

Concen: 18.885 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052285.D

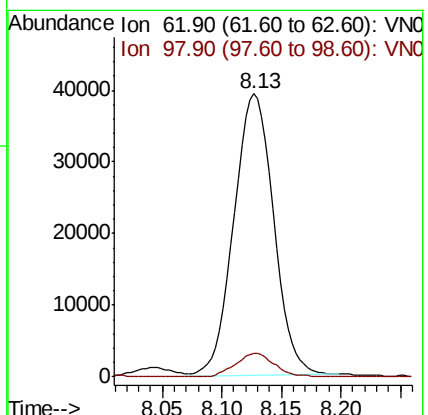
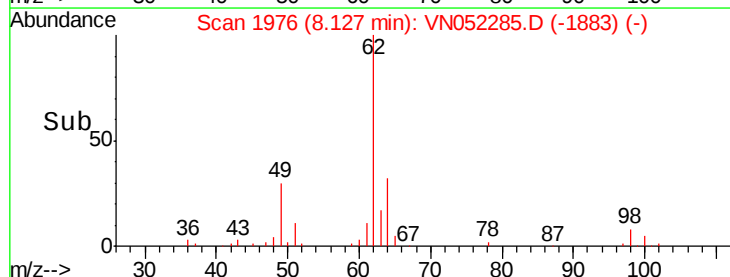
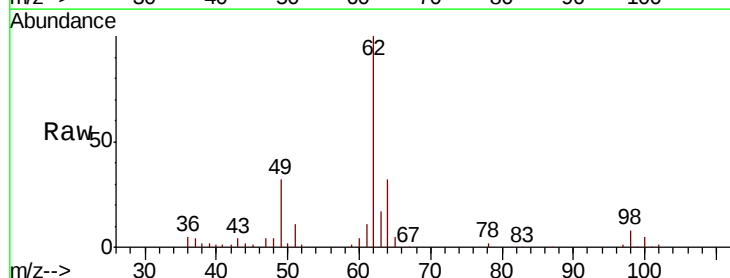
Acq: 13 Nov 2018 14:37

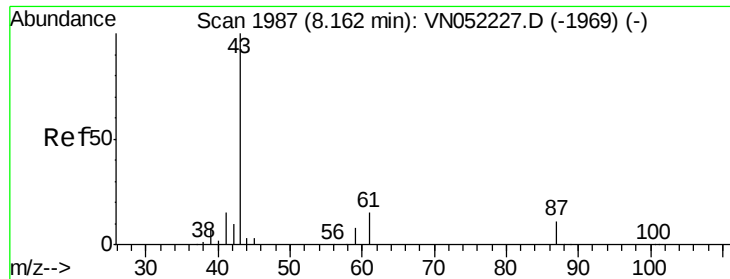
Tgt Ion: 62 Resp: 91227

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.4





#43

Isopropyl Acetate

Concen: 19.839 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

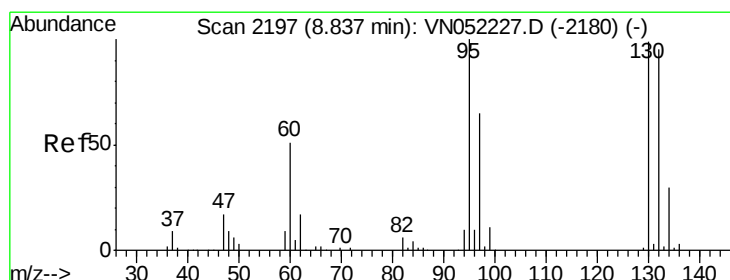
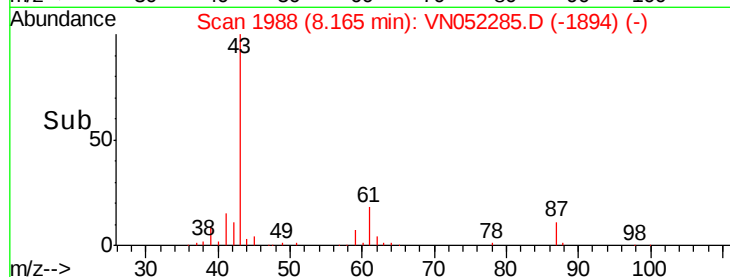
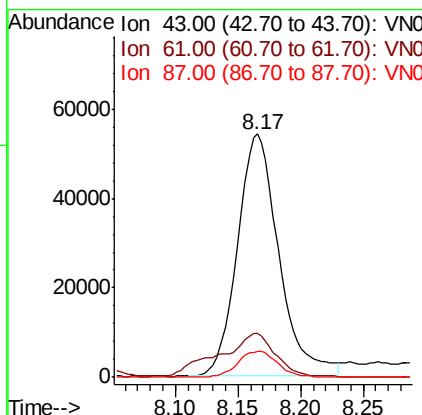
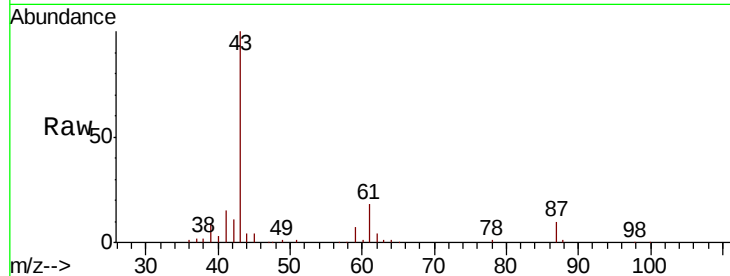
ClientSampleId :

VN1113WBS02

Tot Ion:	43	Resp:	125066
Ion	Ratio	Lower	Upper
43	100		
61	23.6	14.2	21.4#
87	10.2	8.4	12.6

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11/14/2018 11:10:23 AM



#44

Trichloroethene

Concen: 19.060 ug/l

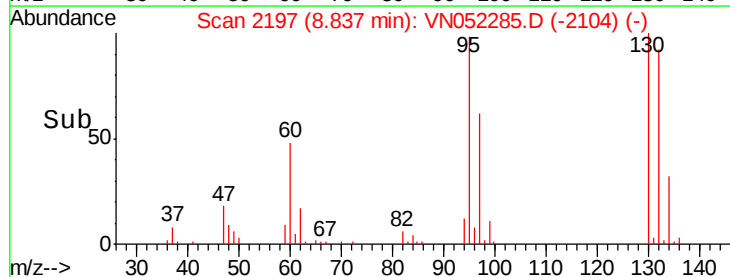
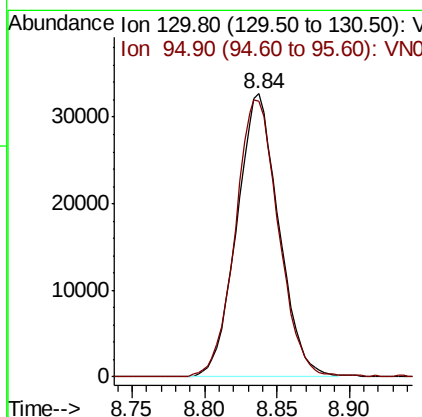
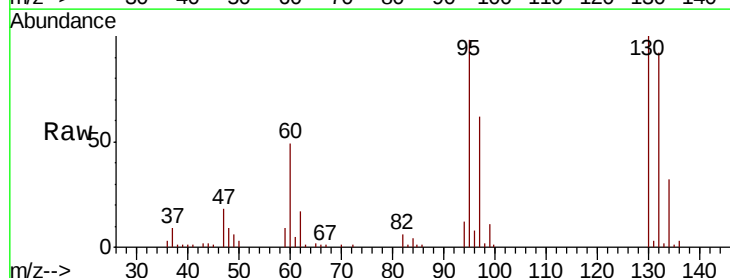
RT: 8.84 min Scan# 2197

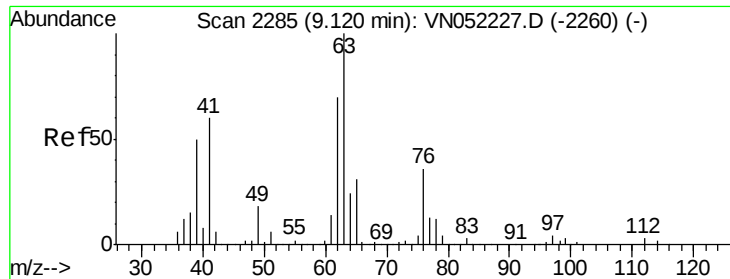
Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Tgt Ion:	130	Resp:	65758
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	201.6





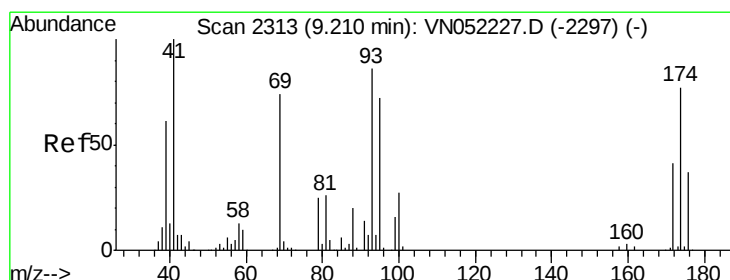
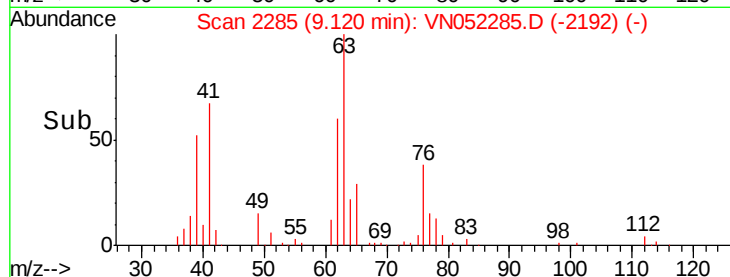
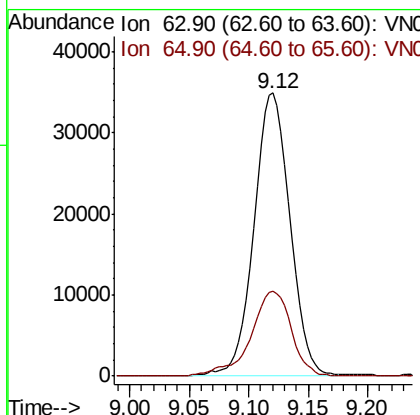
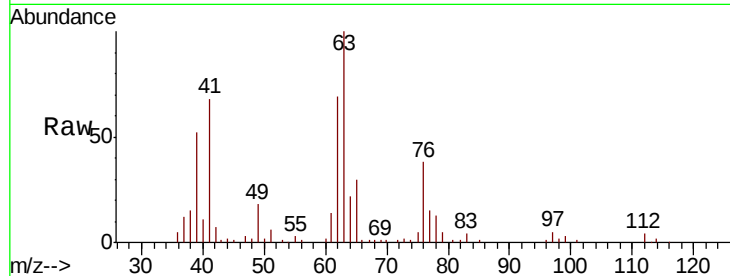
#45
 1,2-Dichloropropane
 Concen: 19.014 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion: 63 Resp: 73133
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.8 37.2

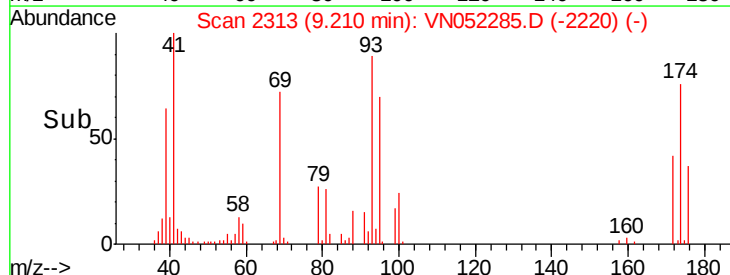
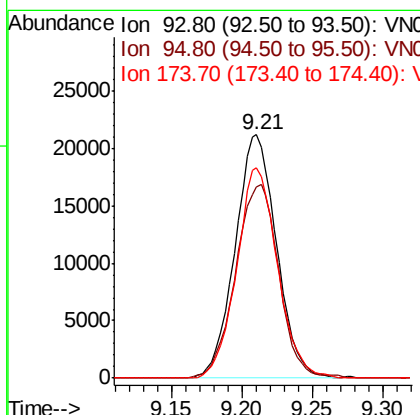
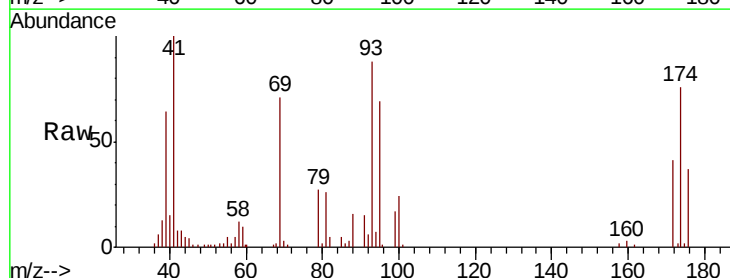
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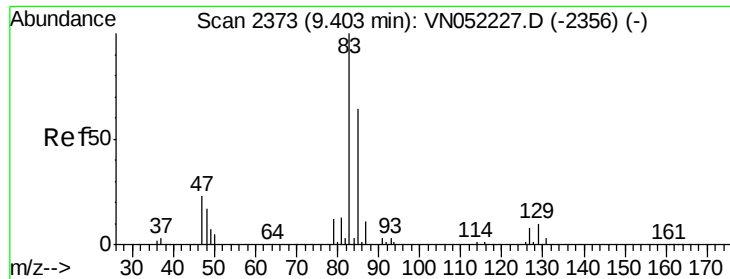
MMDadoda
 11/14/2018 11:10:23 AM



#46
 Dibromomethane
 Concen: 19.718 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion: 93 Resp: 43564
 Ion Ratio Lower Upper
 93 100
 95 82.8 67.0 100.4
 174 85.1 72.1 108.1





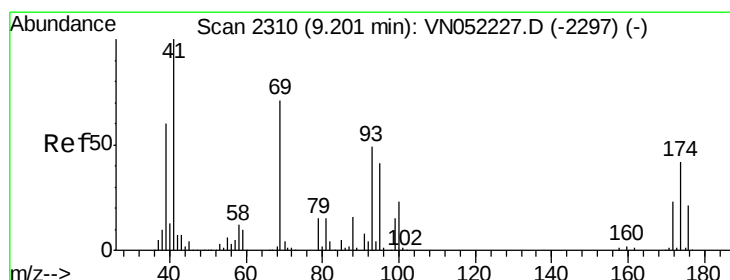
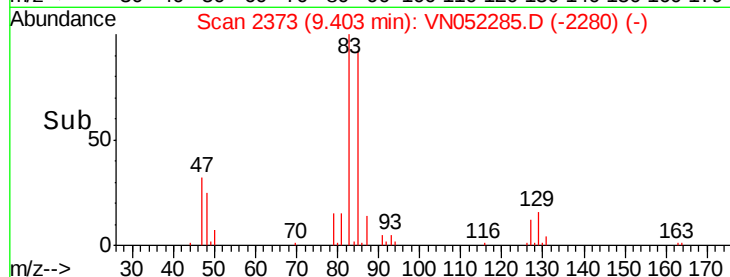
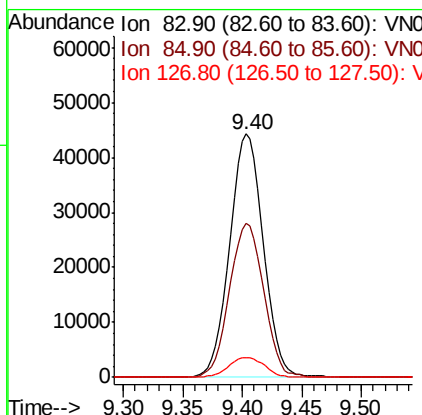
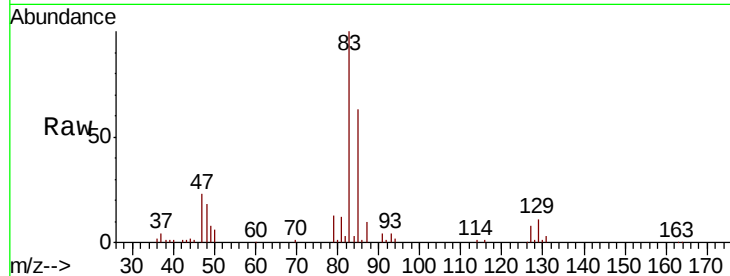
#47
Bromodichloromethane
Concen: 18.969 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	83	Resp	86831
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	51.2	76.8
127	8.2	6.2	9.4

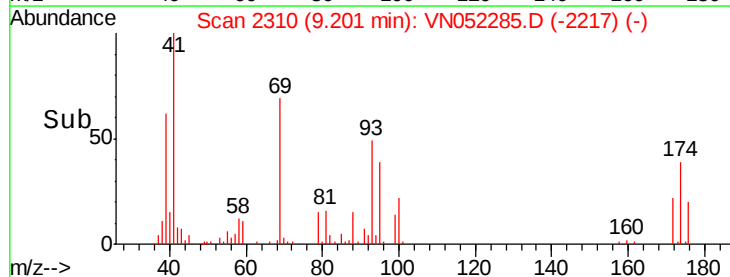
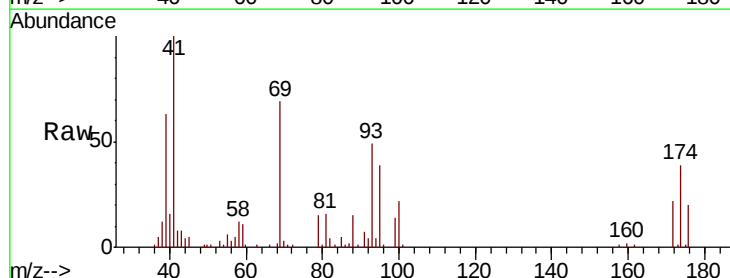
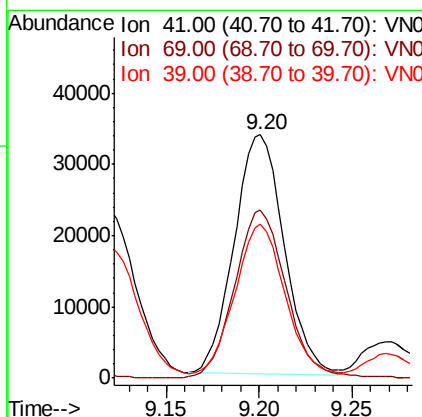
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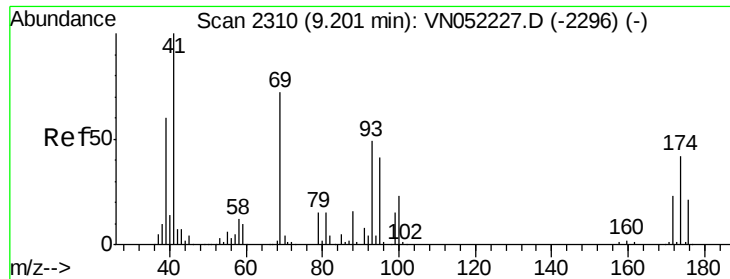
MMDadoda
11/14/2018 11:10:23 AM



#48
Methyl methacrylate
Concen: 18.931 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	41	Resp	62882
Ion Ratio	100	Lower	Upper
41	100		
69	72.3	58.8	88.2
39	64.9	50.7	76.1





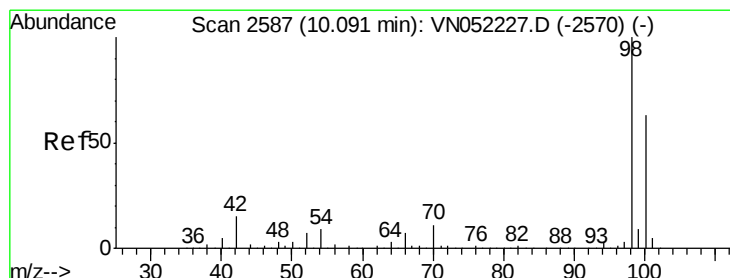
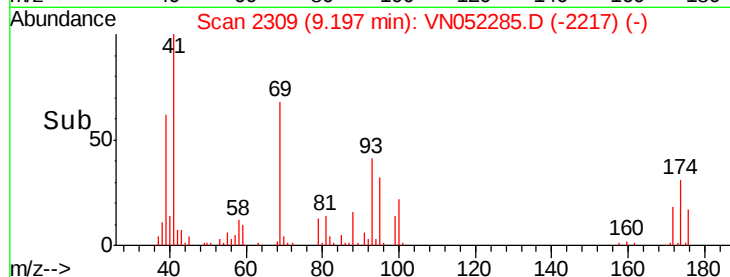
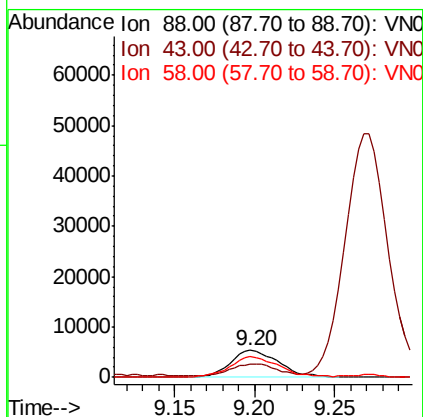
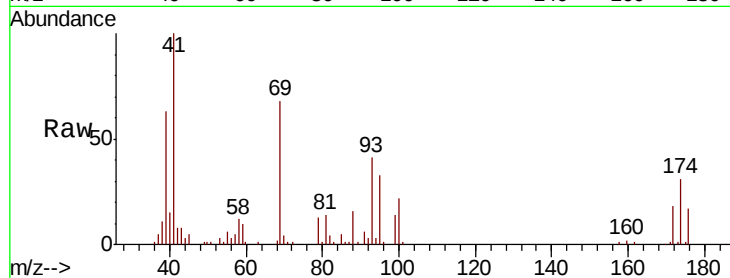
#49
1,4-Dioxane
Concen: 408.470 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	88	Resp	10907
Ion Ratio	Lower	Upper	
88	100		
43	44.3	32.5	48.7
58	79.3	58.2	87.4

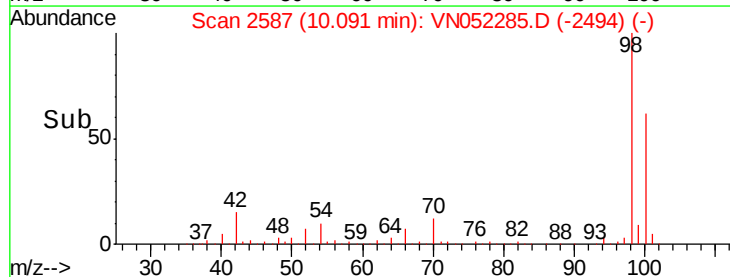
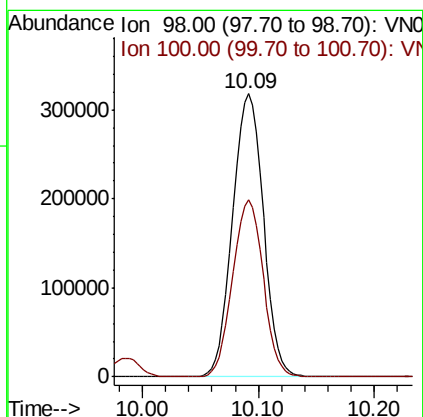
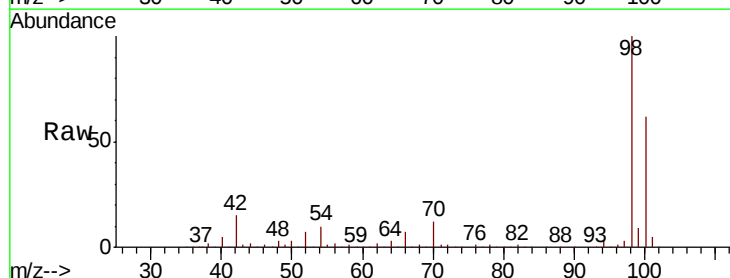
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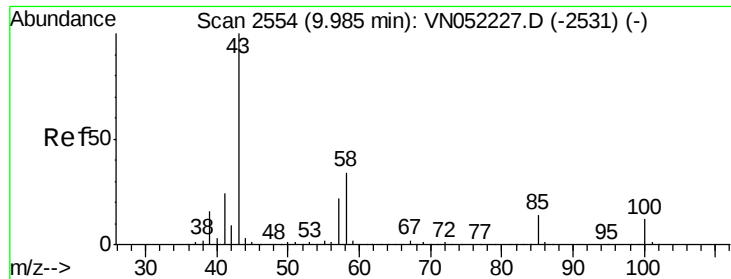
MMDadoda
11/14/2018 11:10:23 AM



#50
Toluene-d8
Concen: 408.470 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	98	Resp	584989
Ion Ratio	Lower	Upper	
98	100		
100	62.1	50.2	75.2





#51

4-Methyl-2-Pentanone

Concen: 94.788 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

ClientSampleId :

VN1113WBS02

Tot Ion: 43 Resp: 330003

Ion Ratio Lower Upper

43 100

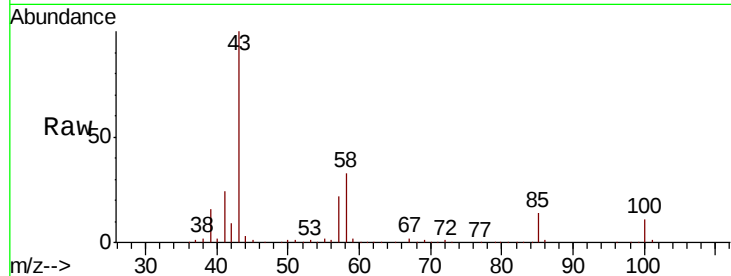
58 34.7 27.4 41.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

200000

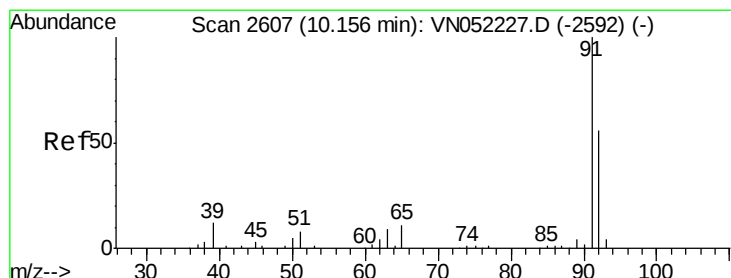
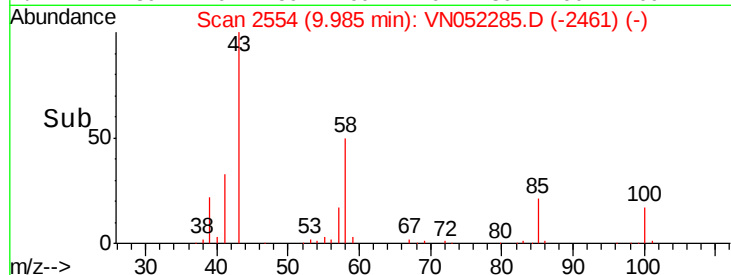
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.899 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052285.D

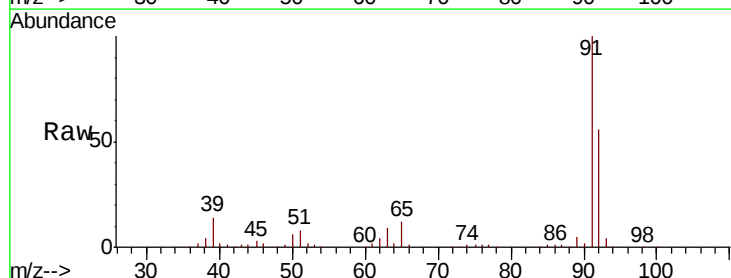
Acq: 13 Nov 2018 14:37

Tgt Ion: 92 Resp: 156958

Ion Ratio Lower Upper

92 100

91 179.3 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

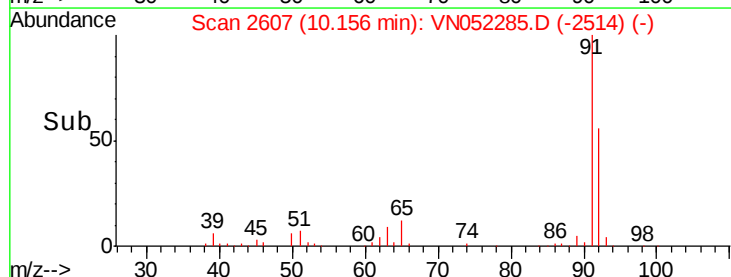
150000

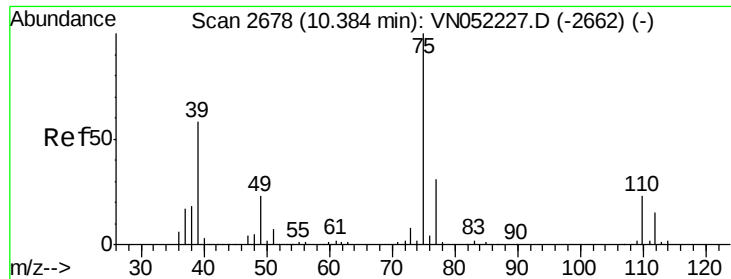
100000

50000

0

Time-->





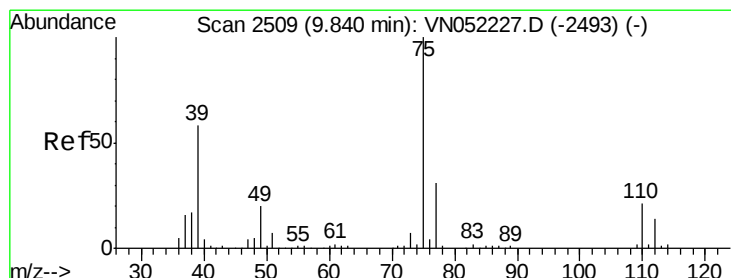
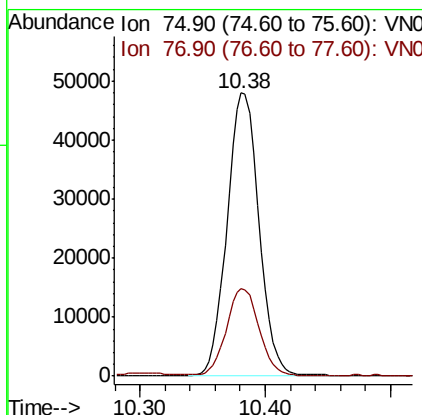
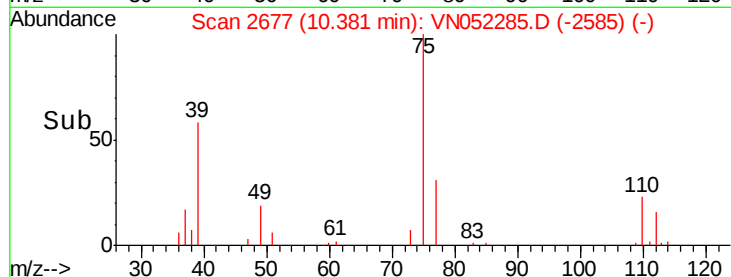
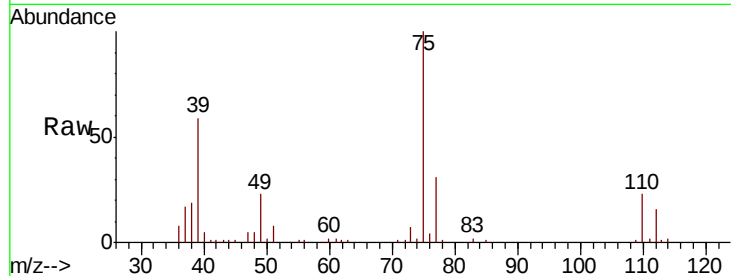
#53
t-1,3-Dichloropropene
Concen: 18.760 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion: 75 Resp: 84740
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8

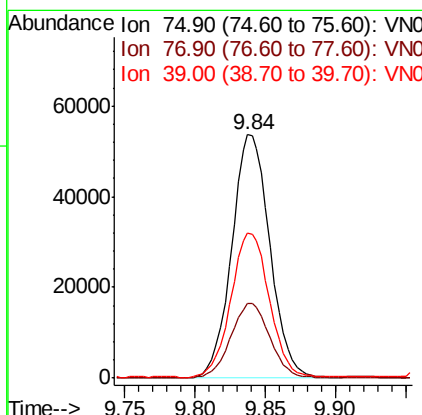
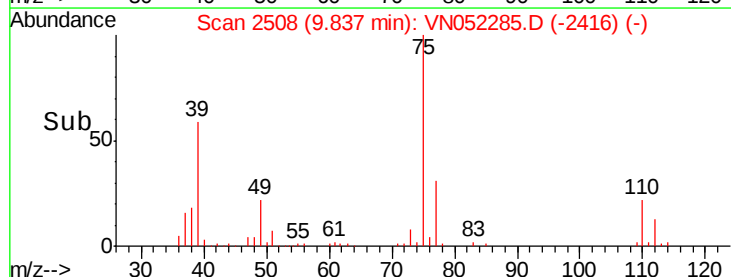
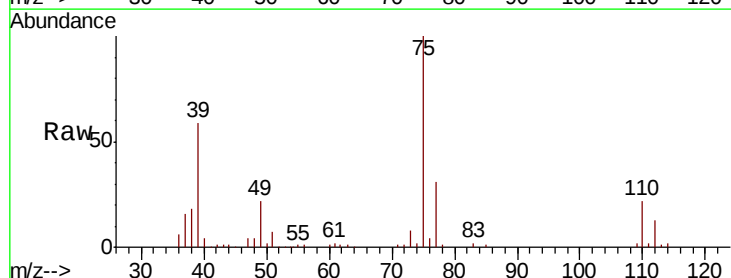
Manual Integrations
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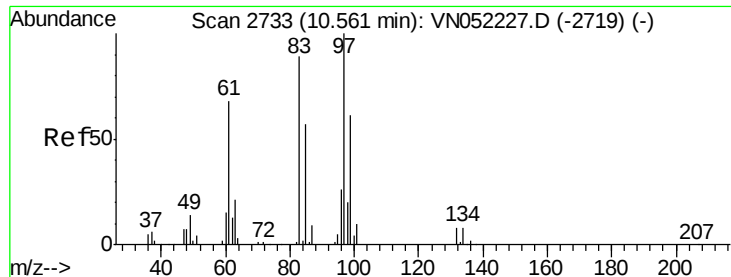
MMDadoda
11/14/2018 11:10:23 AM



#54
cis-1,3-Dichloropropene
Concen: 19.067 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion: 75 Resp: 101672
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8
39 59.0 46.6 70.0





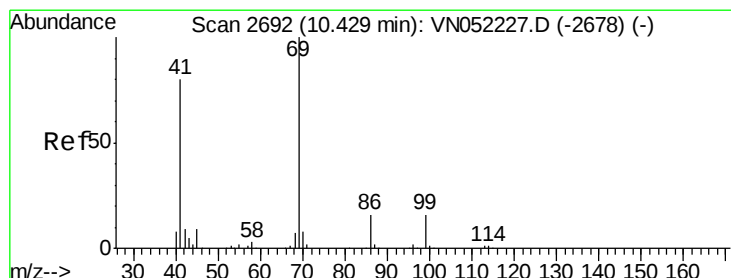
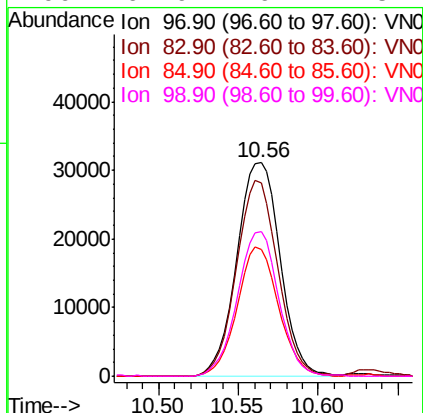
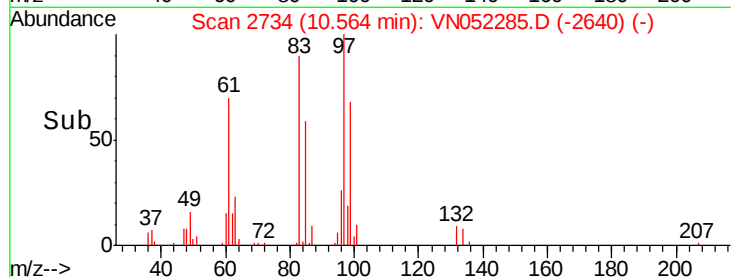
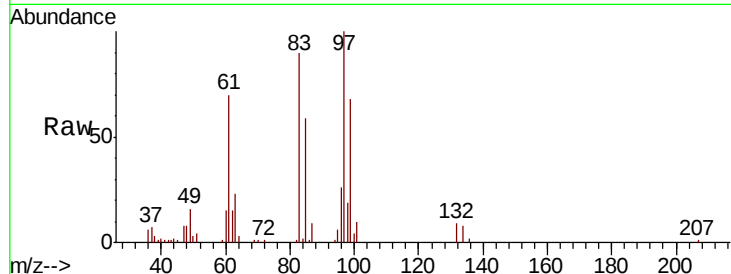
#55
 1,1,2-Trichloroethane
 Concen: 19.155 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion	97	Resp:	57500
Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.2	106.8
85	59.4	45.6	68.4
99	67.9	49.1	73.7

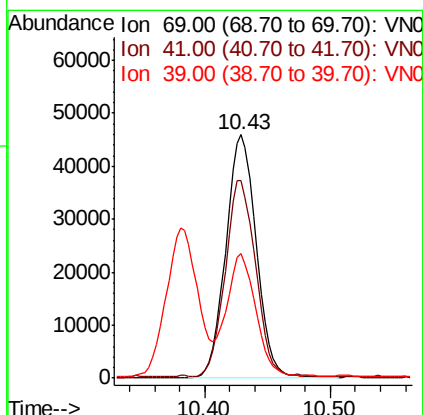
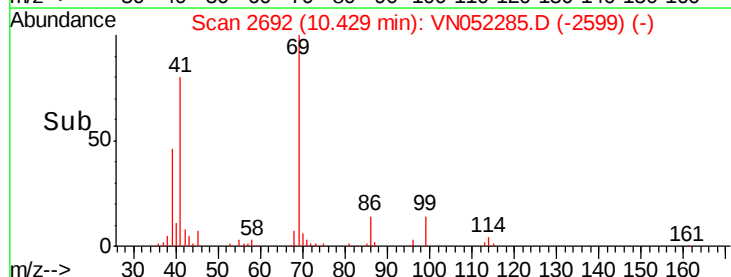
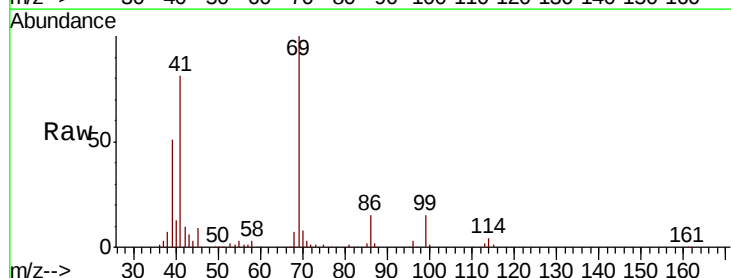
Manual Integrations
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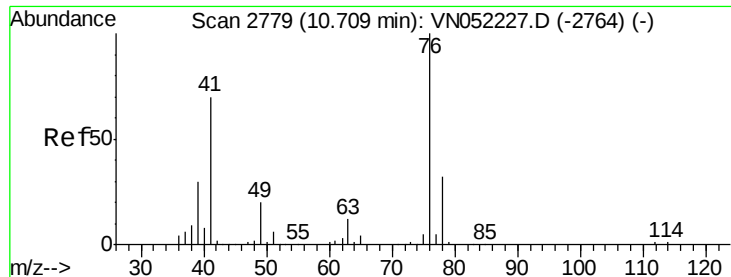
MMDadoda
 11/14/2018 11:10:23 AM



#56
 Ethyl methacrylate
 Concen: 19.136 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion	69	Resp:	77635
Ion	Ratio	Lower	Upper
69	100		
41	80.4	64.0	96.0
39	48.4	37.8	56.8





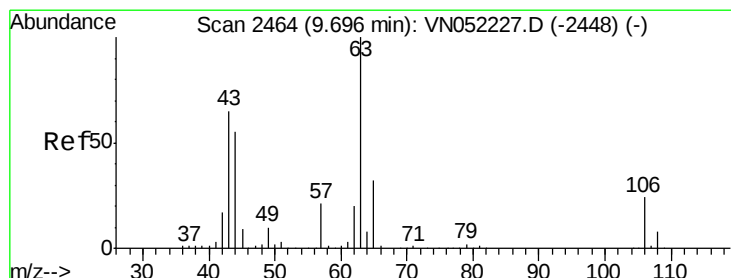
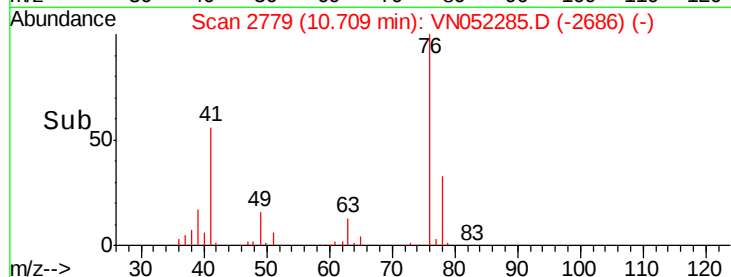
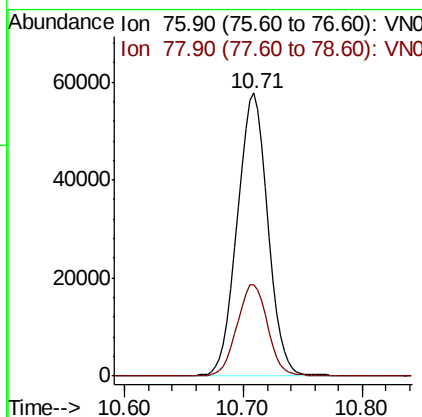
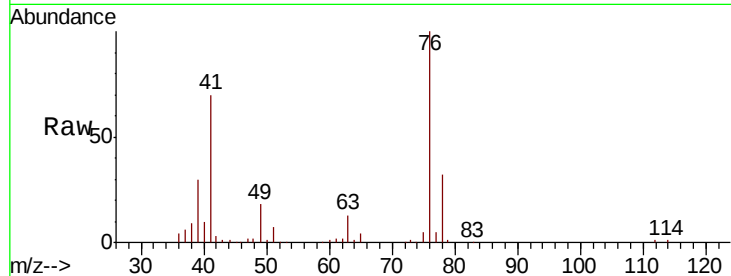
#57
 1,3-Dichloropropane
 Concen: 19.146 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion: 76 Resp: 102885
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

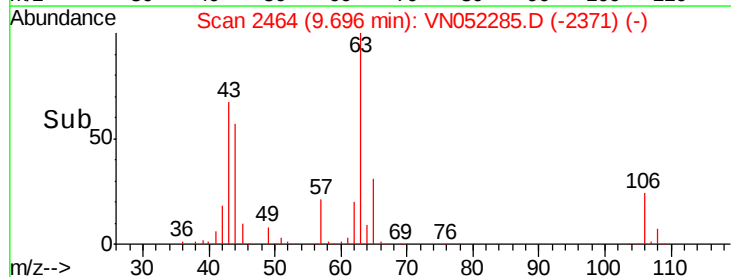
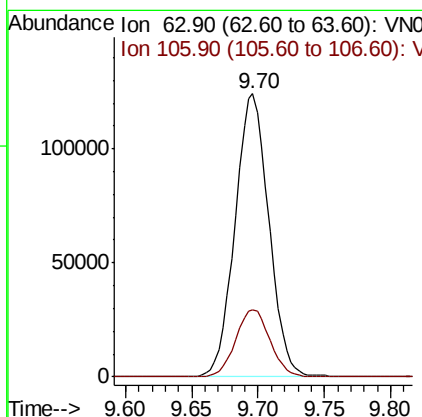
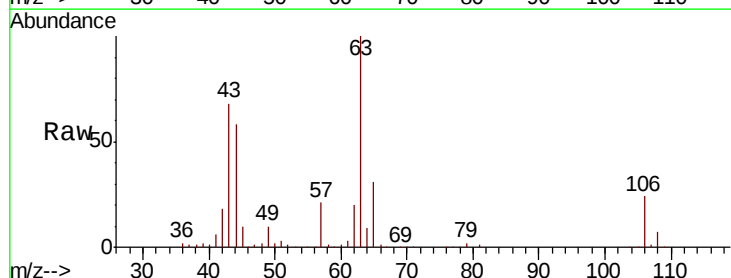
Manual Integrations
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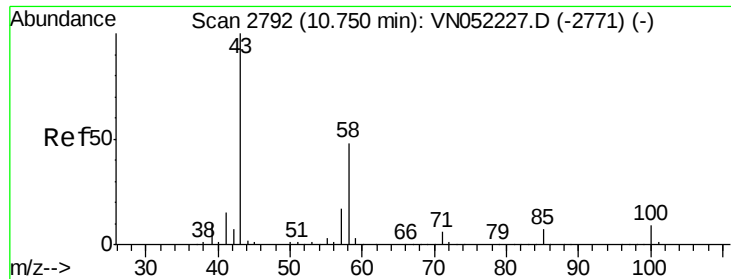
MMDadoda
 11/14/2018 11:10:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.922 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion: 63 Resp: 219975
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.5 29.3





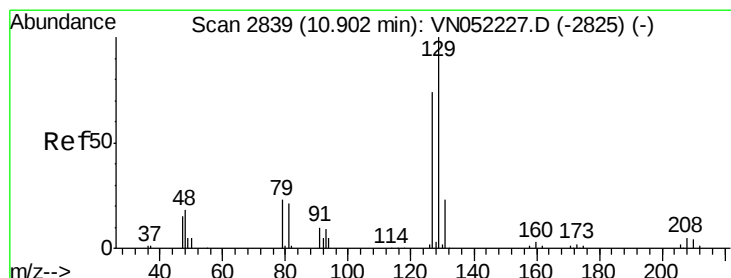
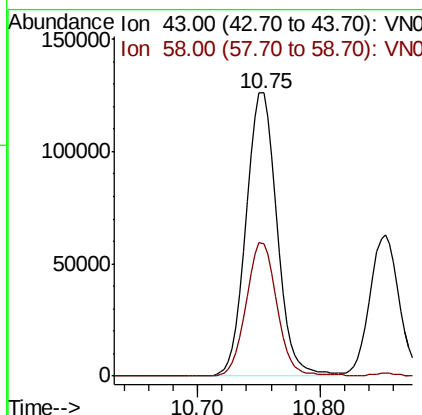
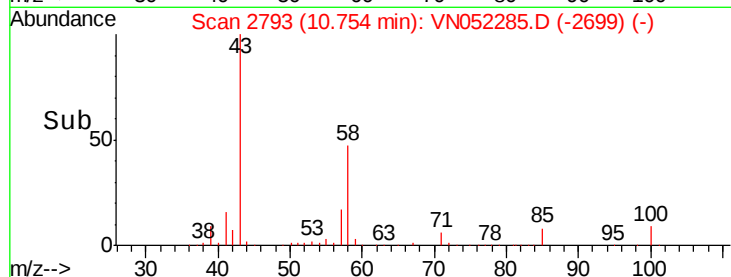
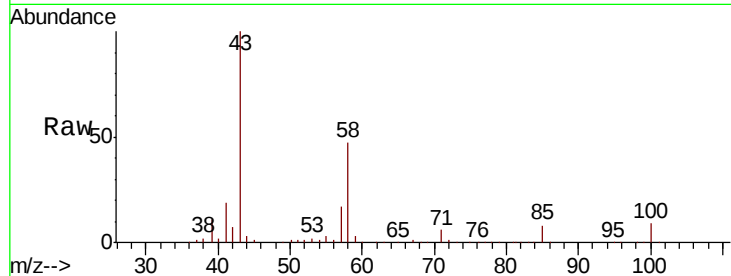
#59
2-Hexanone
Concen: 89.405 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion: 43 Resp: 218507
Ion Ratio Lower Upper
43 100
58 47.2 24.1 72.3

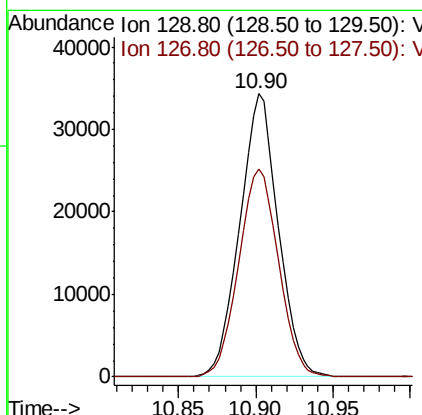
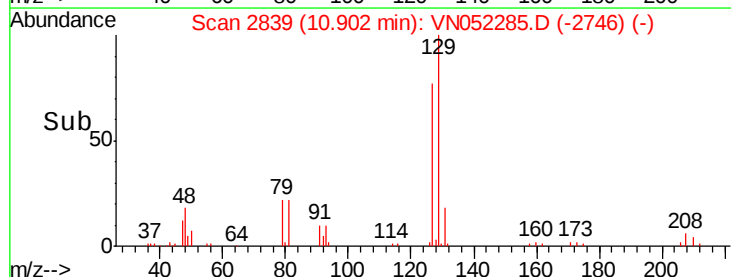
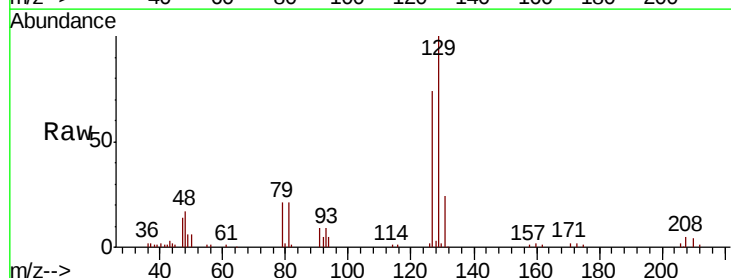
Manual Integrations
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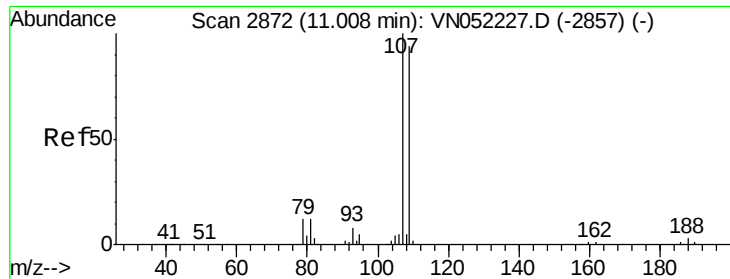
MMDadoda
11/14/2018 11:10:23 AM



#60
Dibromochloromethane
Concen: 19.512 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion: 129 Resp: 59412
Ion Ratio Lower Upper
129 100
127 76.0 38.0 114.1





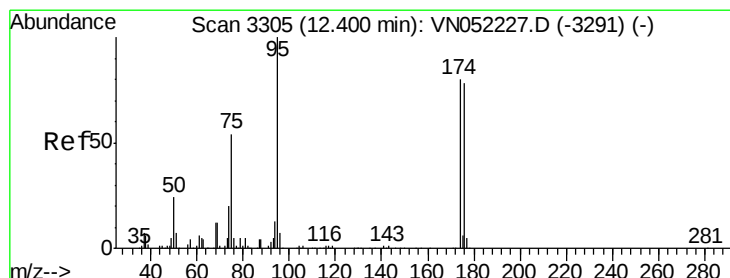
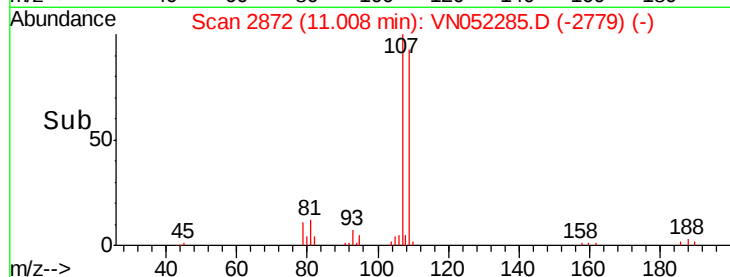
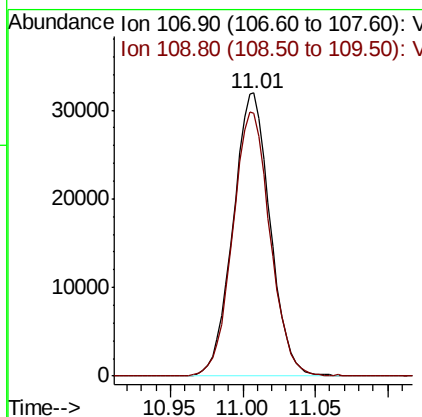
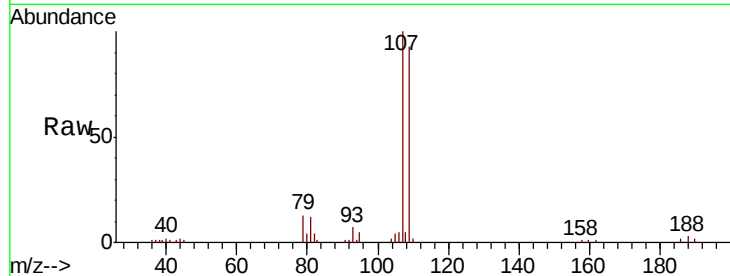
#61
 1,2-Dibromoethane
 Concen: 19.225 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.8	113.6

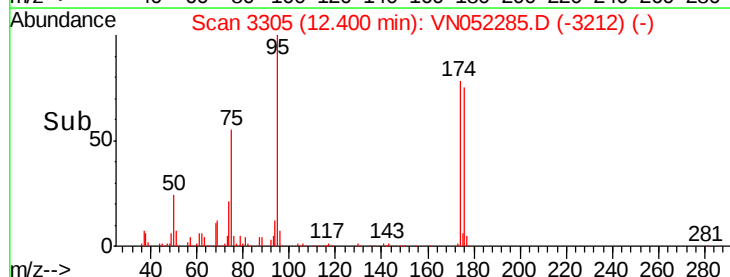
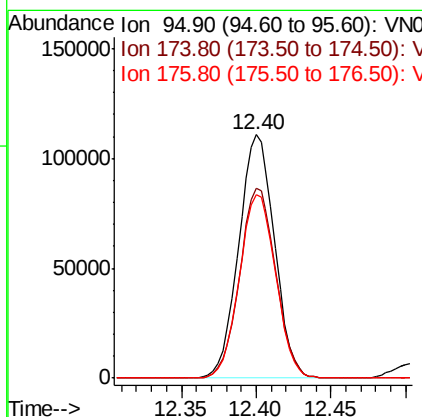
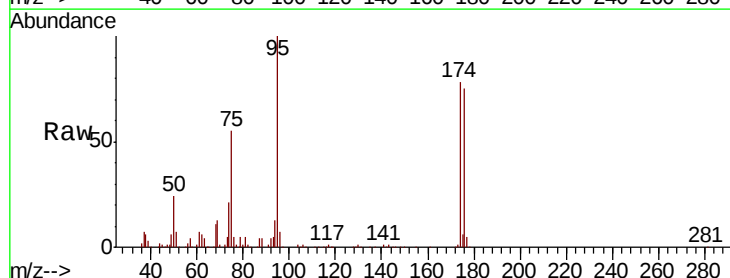
Manual Integrations
 APPROVED

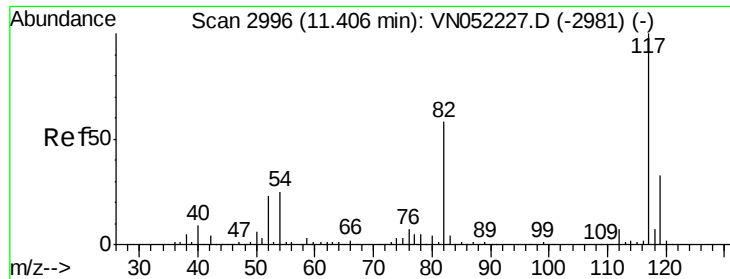
MMDadoda
 11/14/2018 11:10:23 AM



#62
 4-Bromofluorobenzene
 Concen: 19.225 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	159.4
176	76.9	0.0	157.8





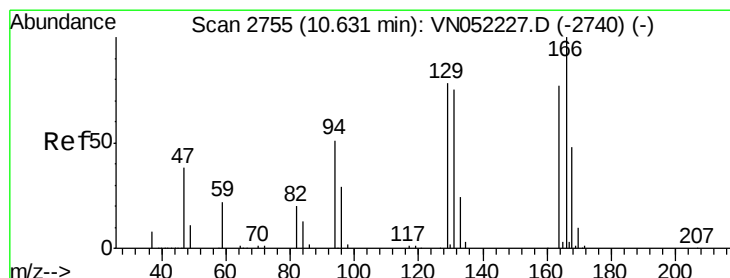
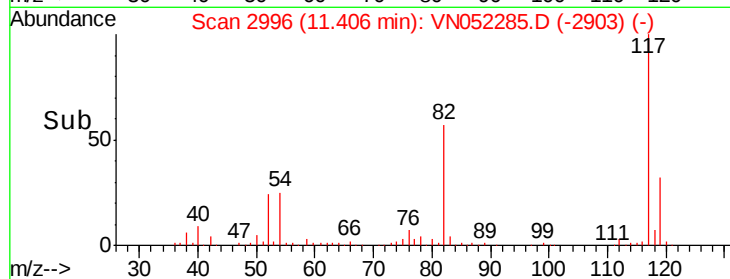
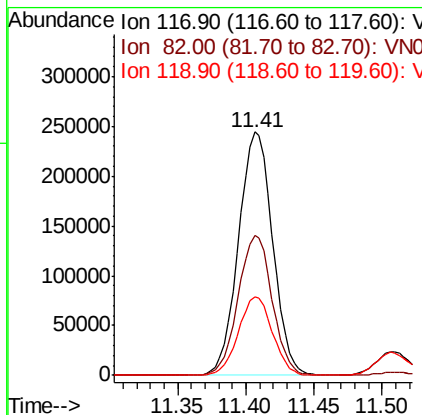
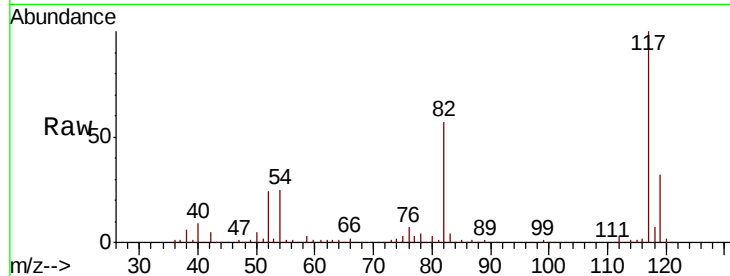
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion:	117	Resp:	425396
Ion Ratio	Lower	Upper	
117	100		
82	57.3	46.2	69.2
119	32.2	26.2	39.4

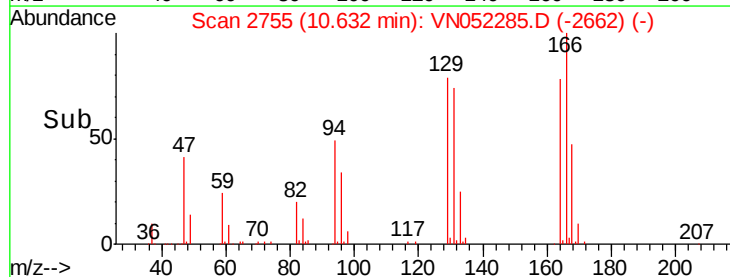
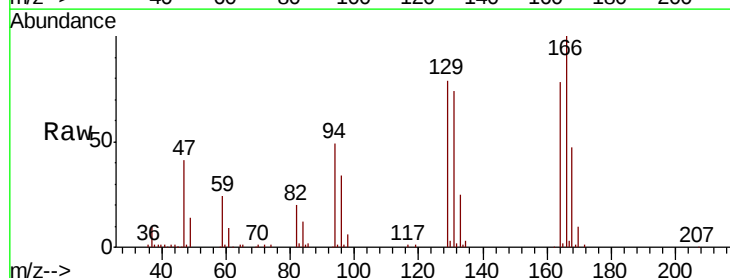
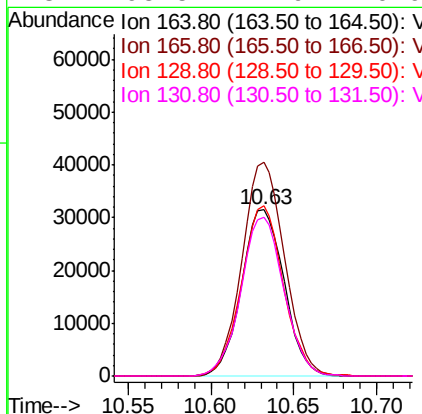
Manual Integrations
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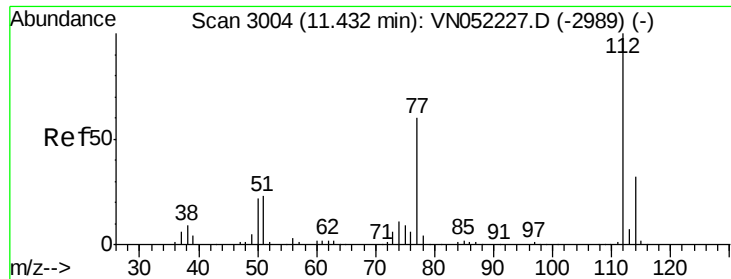
MMDadoda
11/14/2018 11:10:23 AM



#64
Tetrachloroethene
Concen: 18.896 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion:	164	Resp:	56279
Ion Ratio	Lower	Upper	
164	100		
166	128.4	103.6	155.4
129	102.1	81.0	121.6
131	95.5	77.9	116.9





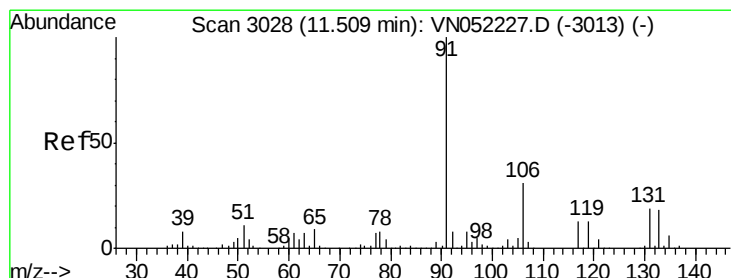
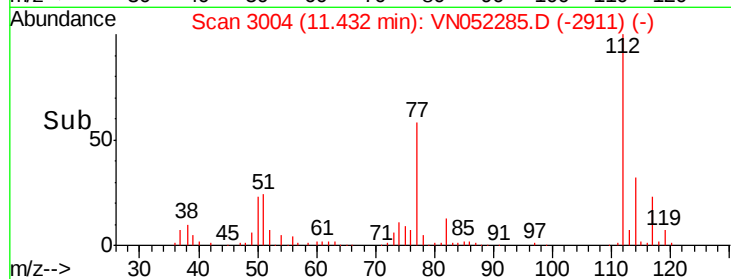
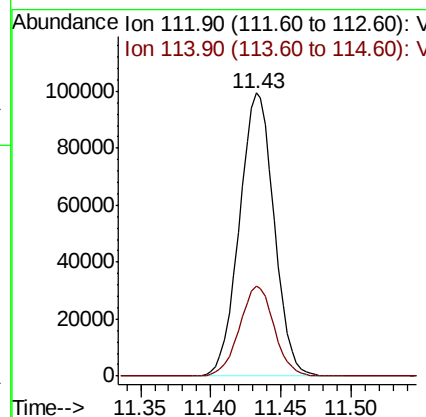
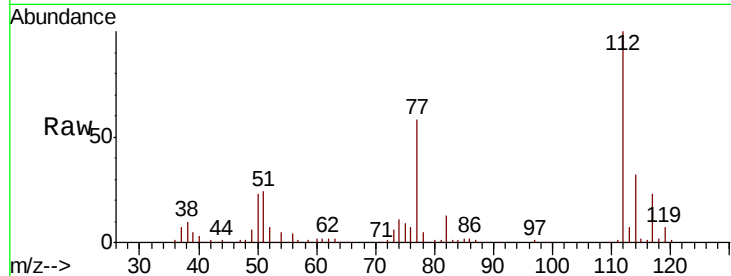
#65
Chlorobenzene
Concen: 19.000 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion:112 Resp: 171262
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

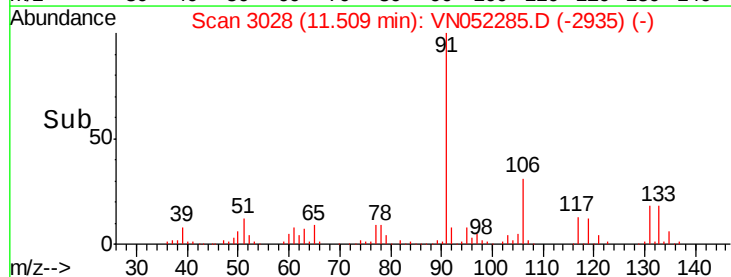
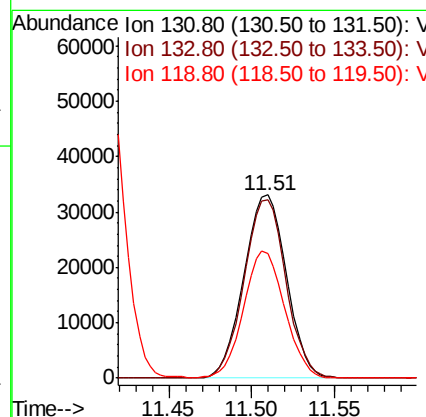
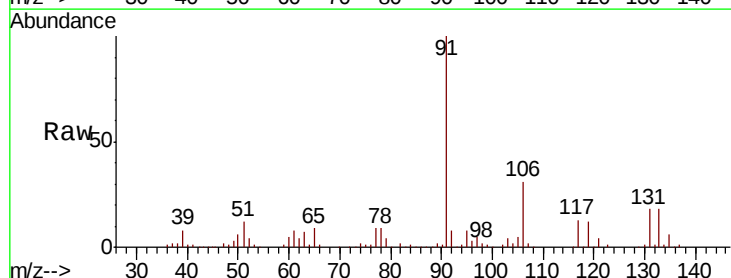
Manual Integrations
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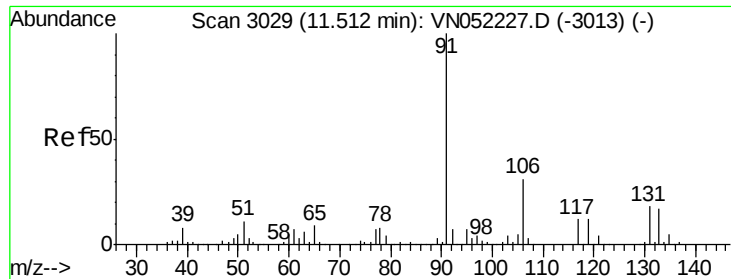
MMDadoda
11/14/2018 11:10:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.357 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion:131 Resp: 59102
Ion Ratio Lower Upper
131 100
133 95.7 48.3 144.9
119 67.1 34.6 103.9





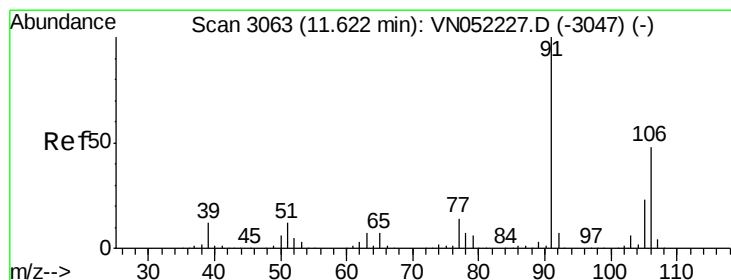
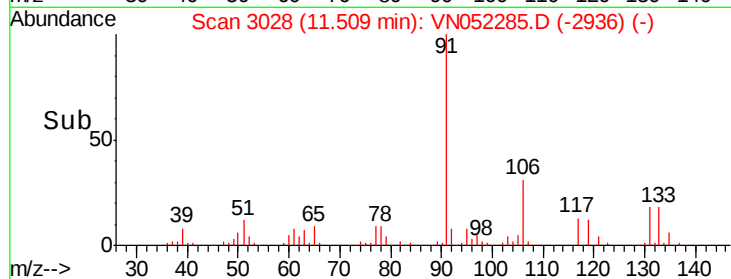
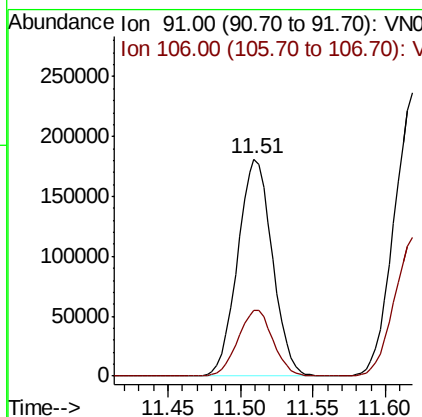
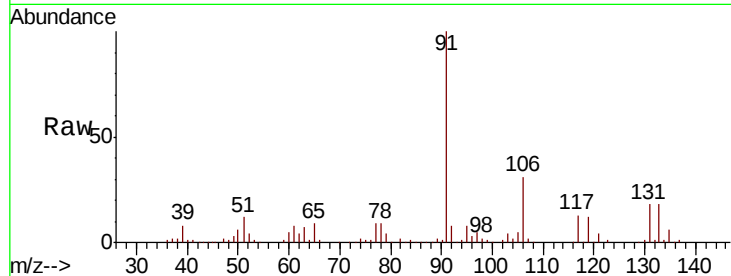
#67
Ethyl Benzene
Concen: 19.021 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion: 91 Resp: 301571
Ion Ratio Lower Upper
91 100
106 30.5 24.7 37.1

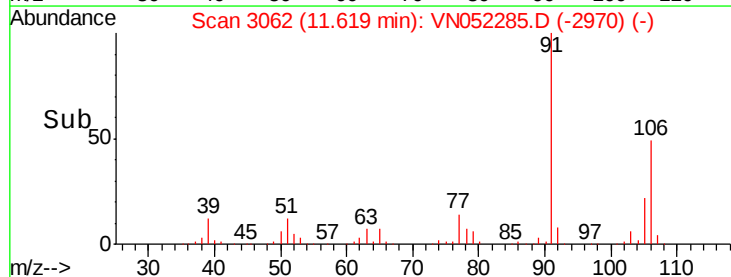
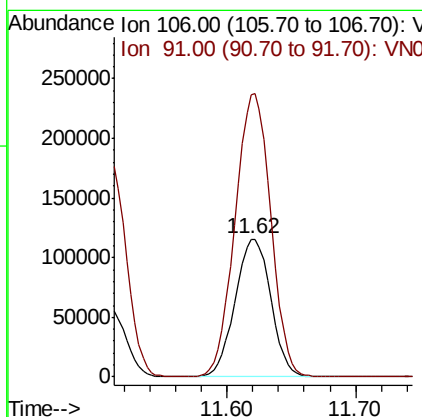
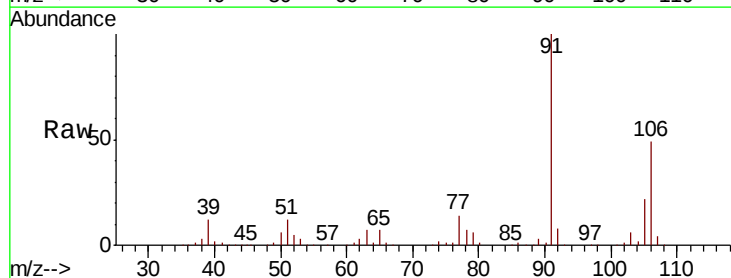
Manual Integrations
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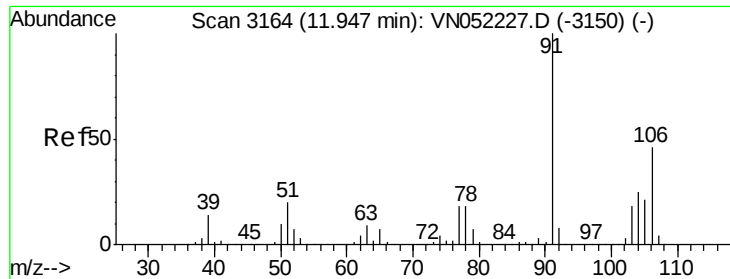
MMDadoda
11/14/2018 11:10:23 AM



#68
m/p-Xylenes
Concen: 37.733 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion: 106 Resp: 222795
Ion Ratio Lower Upper
106 100
91 205.1 165.7 248.5





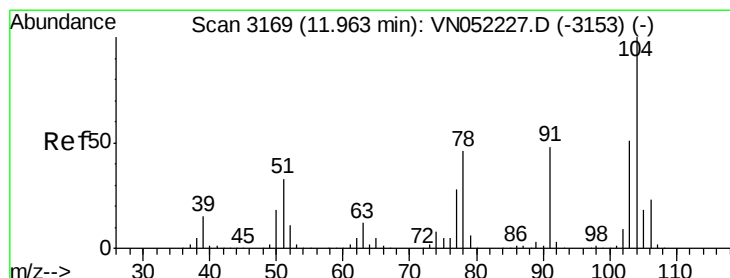
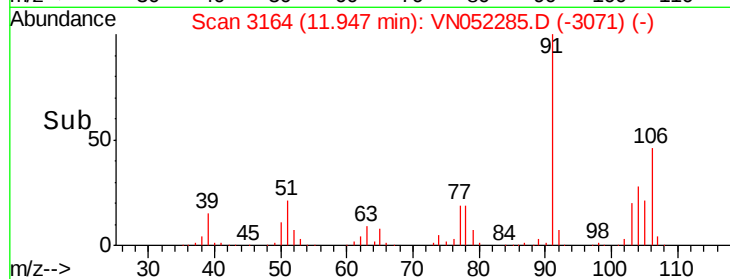
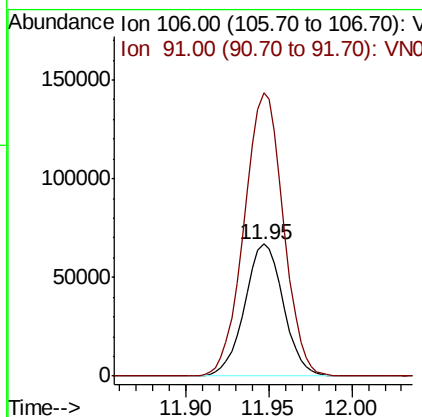
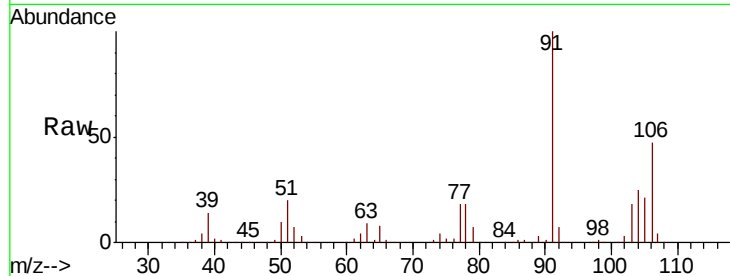
#69
o-Xylene
Concen: 19.211 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion:106 Resp: 108368
Ion Ratio Lower Upper
106 100
91 217.8 108.5 325.5

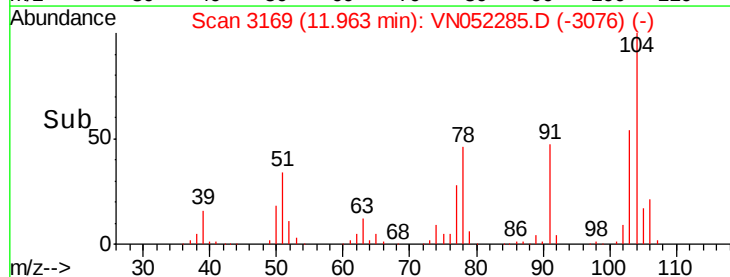
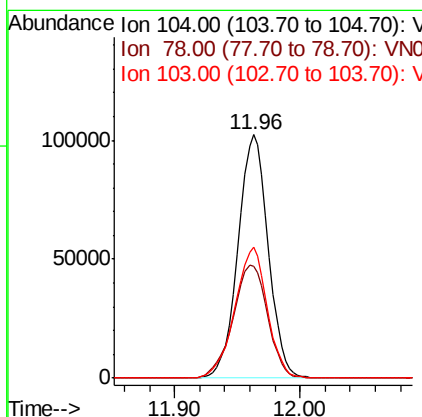
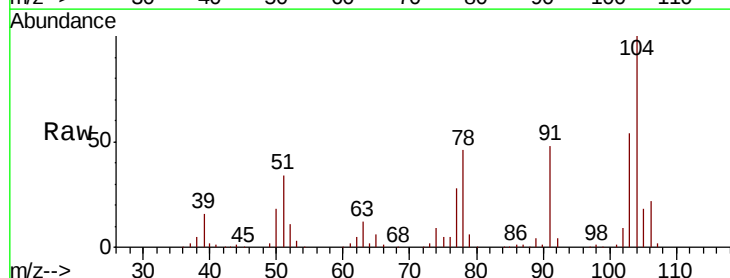
Manual Integrations
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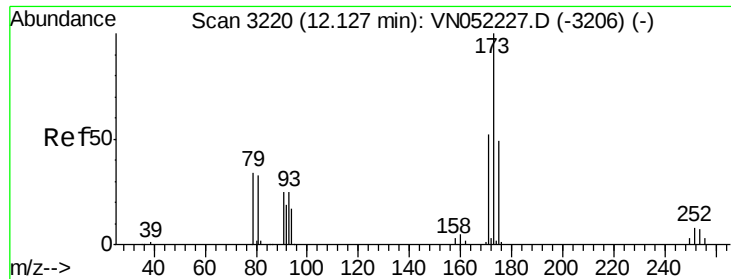
MMDadoda
11/14/2018 11:10:23 AM



#70
Styrene
Concen: 18.782 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion:104 Resp: 171179
Ion Ratio Lower Upper
104 100
78 53.2 41.8 62.6
103 57.6 44.9 67.3





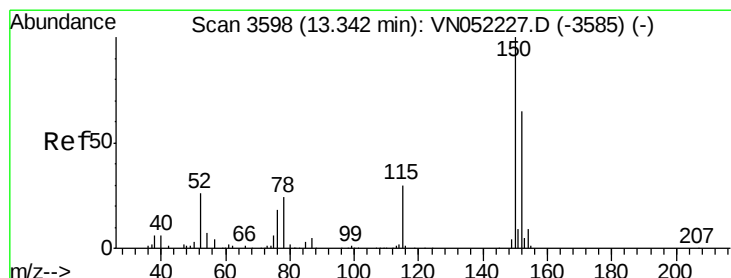
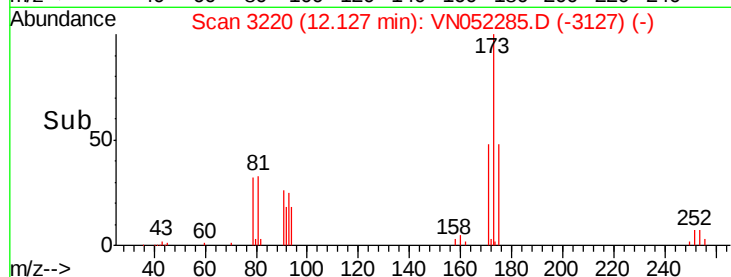
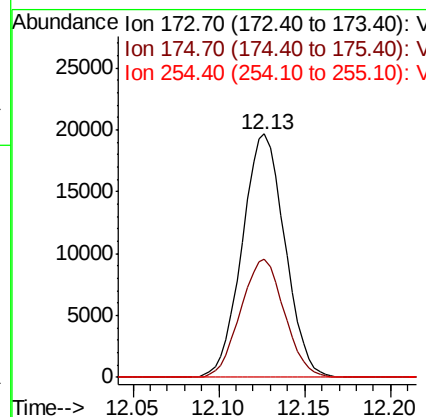
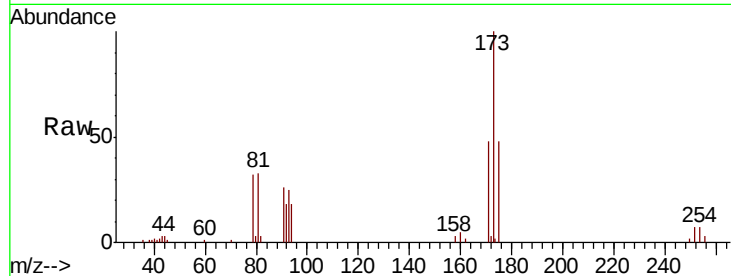
#71
Bromoform
Concen: 18.600 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.5	73.5
254	0.0	0.0	0.0

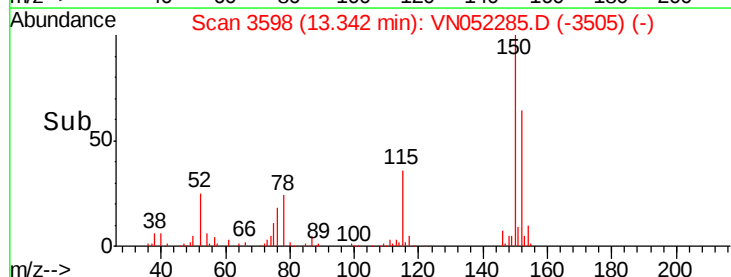
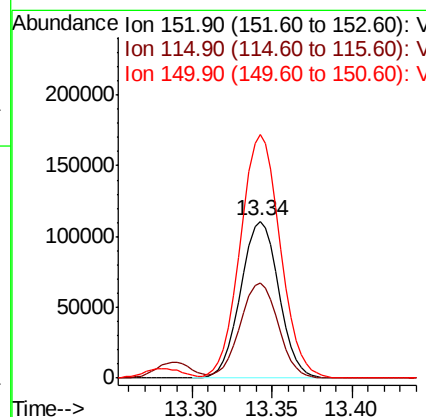
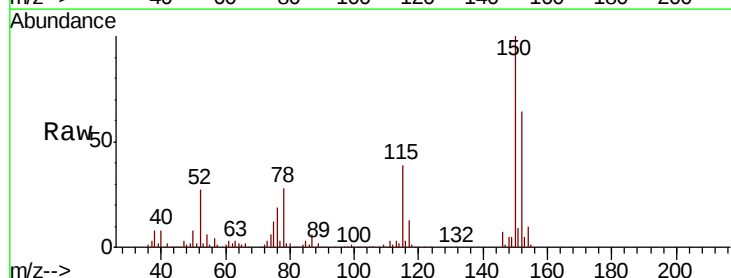
Manual Integrations
APPROVED

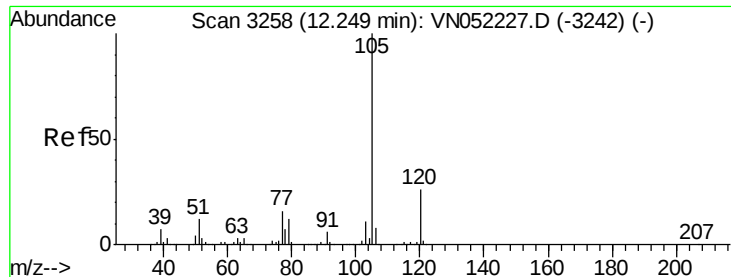
MMDadoda
11/14/2018 11:10:23 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	29.8	89.5
150	162.2	0.0	350.2





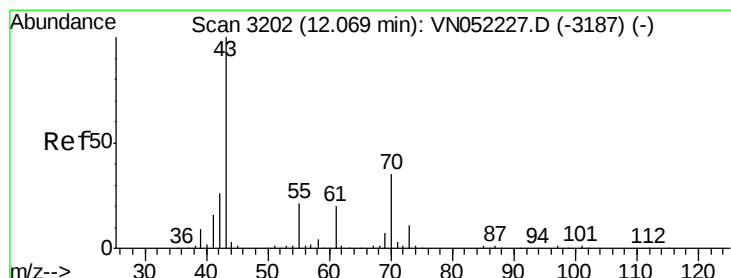
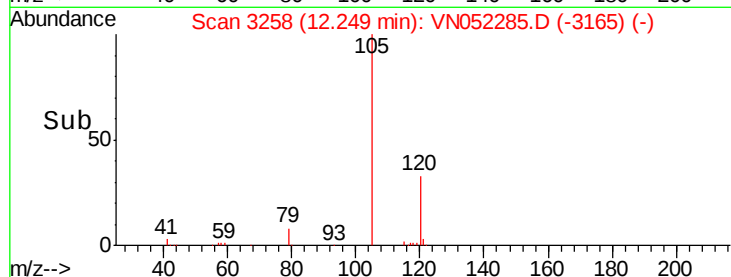
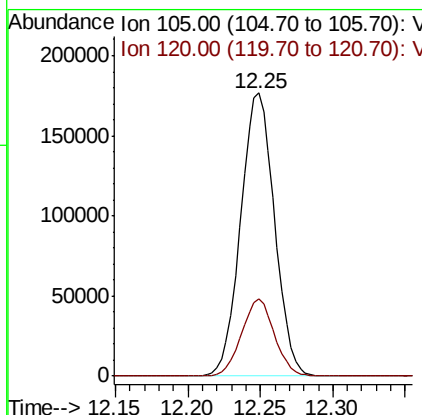
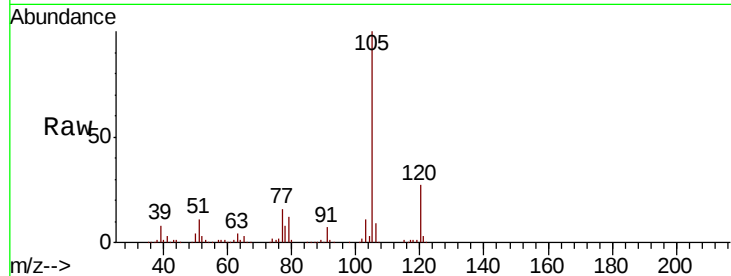
#73
Isopropylbenzene
Concen: 19.409 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.1

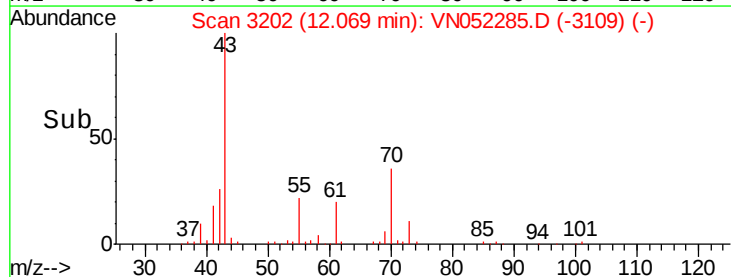
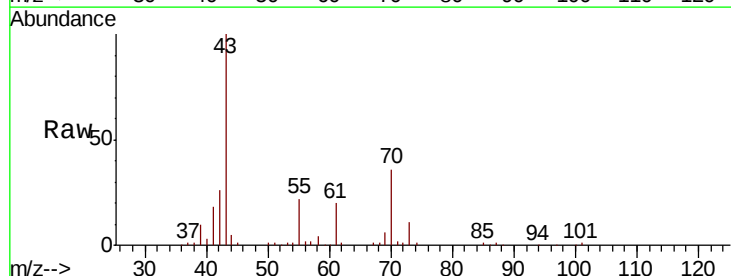
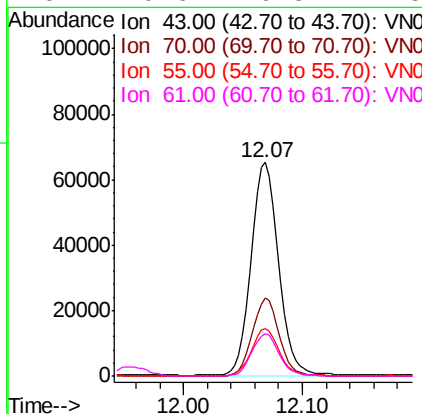
Manual Integrations
APPROVED

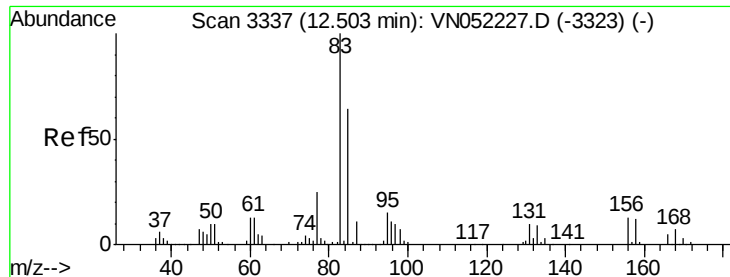
MMDadoda
11/14/2018 11:10:23 AM



#74
N-ethyl acetate
Concen: 19.492 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.6	28.2	42.2
55	22.3	17.4	26.2
61	19.6	16.3	24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.306 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

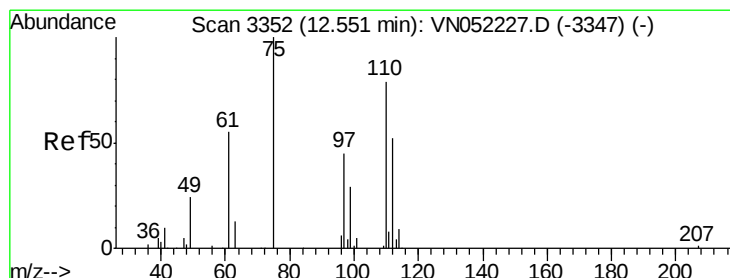
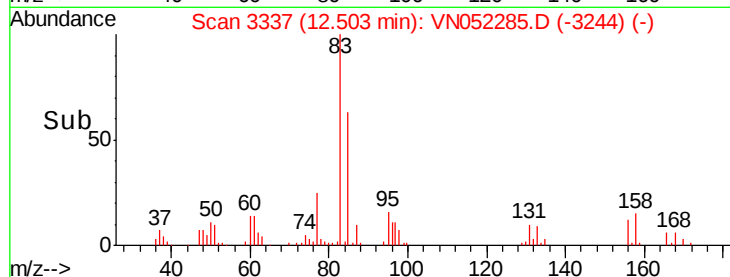
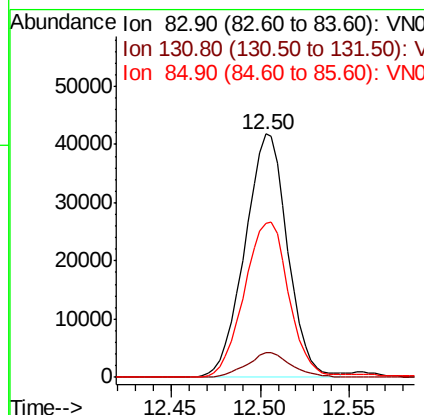
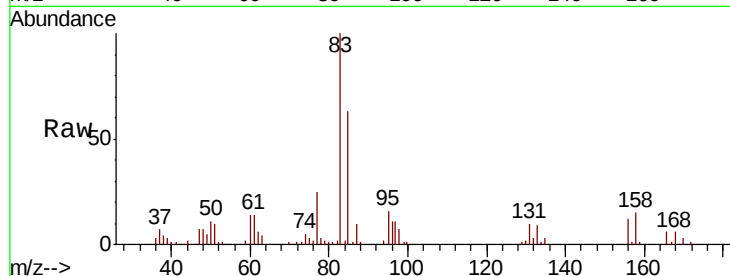
ClientSampleId :

VN1113WBS02

Tot Ion:	83	Resp:	69873
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.2
85	66.2	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.498 ug/l m

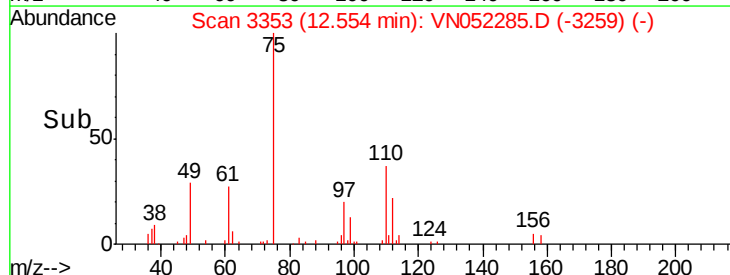
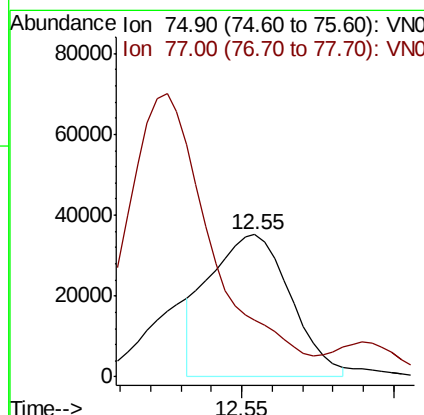
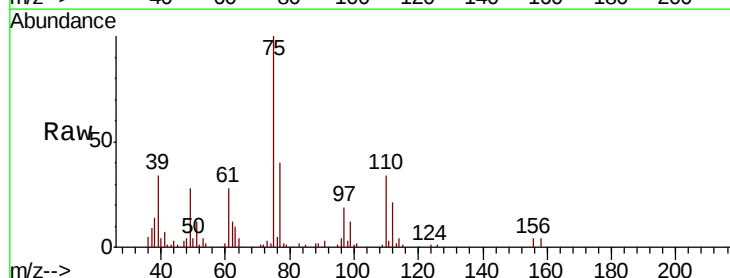
RT: 12.55 min Scan# 3353

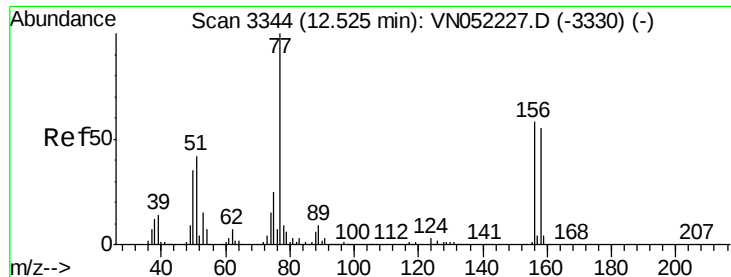
Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Tgt Ion:	75	Resp:	65496
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.999 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

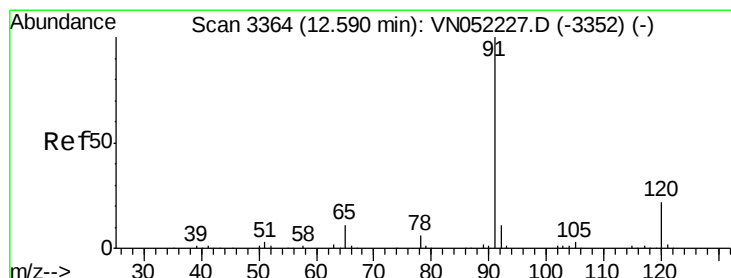
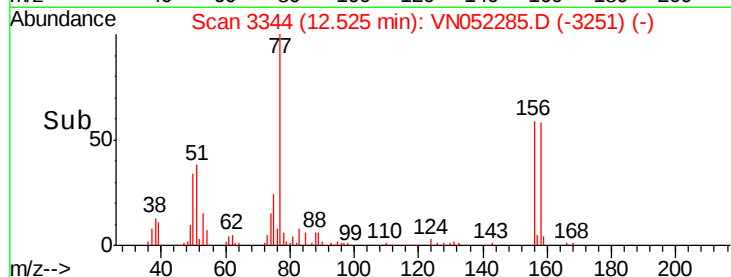
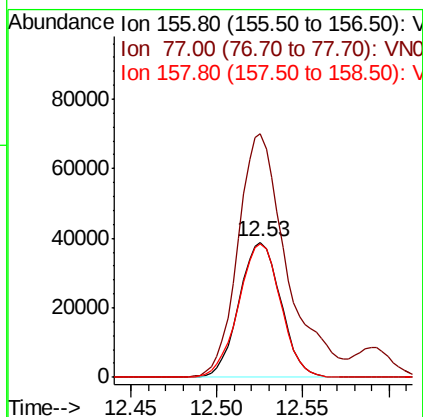
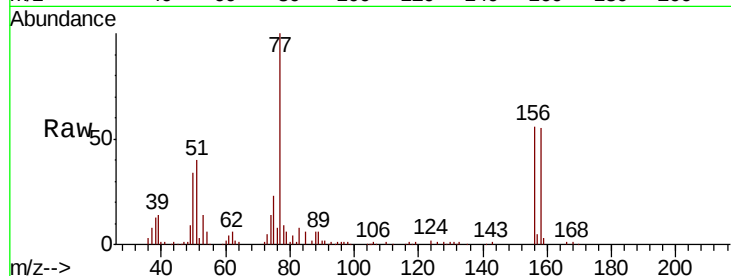
ClientSampleId :

VN1113WBS02

Tot Ion:	156	Resp:	65654
Ion	Ratio	Lower	Upper
156	100		
77	210.2	101.1	303.3
158	100.0	47.8	143.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.345 ug/l

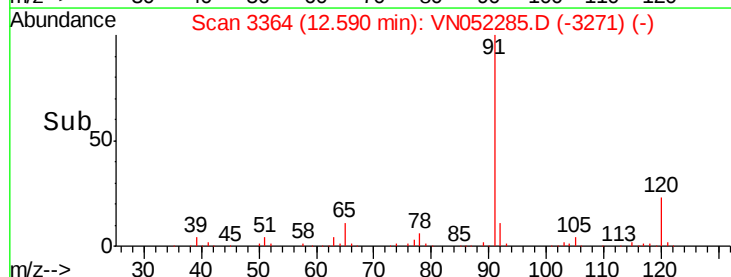
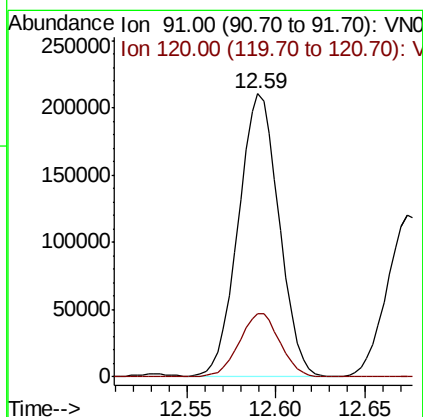
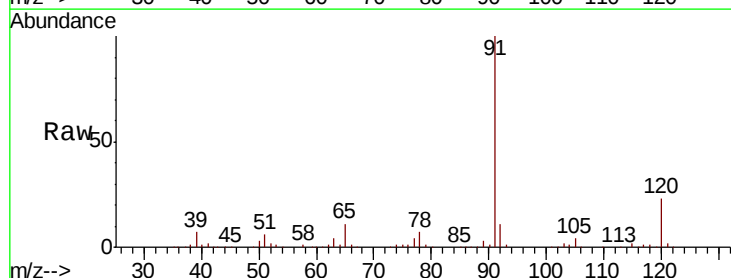
RT: 12.59 min Scan# 3364

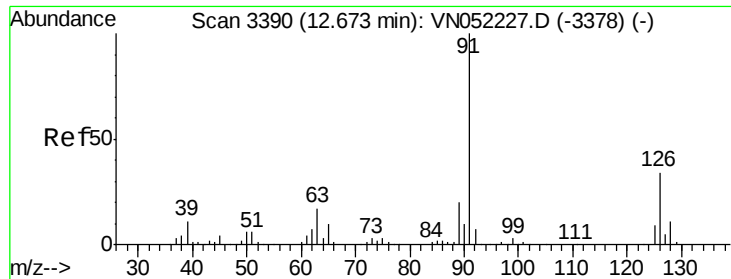
Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Tgt Ion:	91	Resp:	334496
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.8





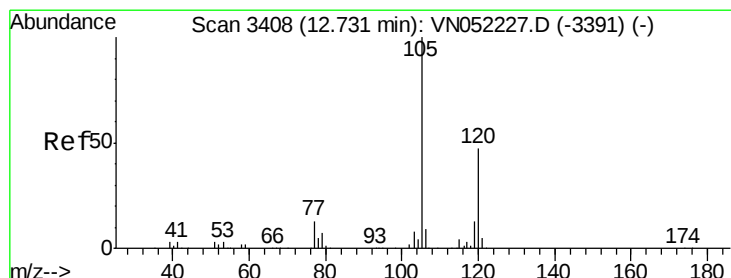
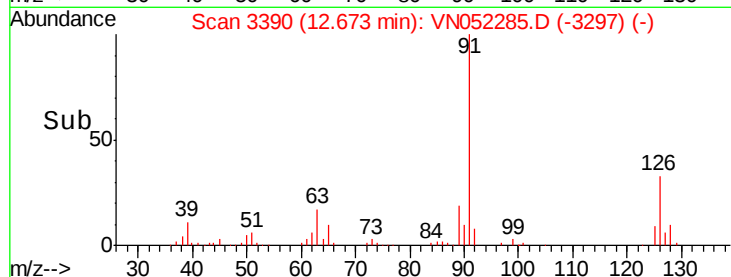
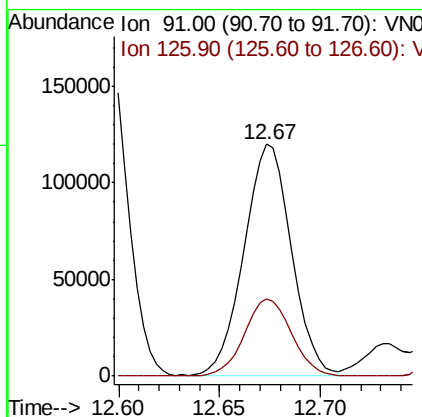
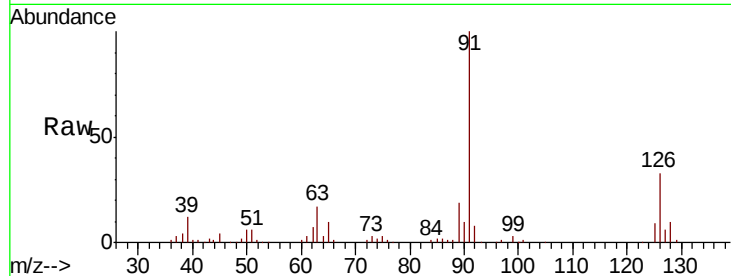
#79
 2-Chlorotoluene
 Concen: 19.679 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion: 91 Resp: 197121
 Ion Ratio Lower Upper
 91 100
 126 33.3 17.0 51.0

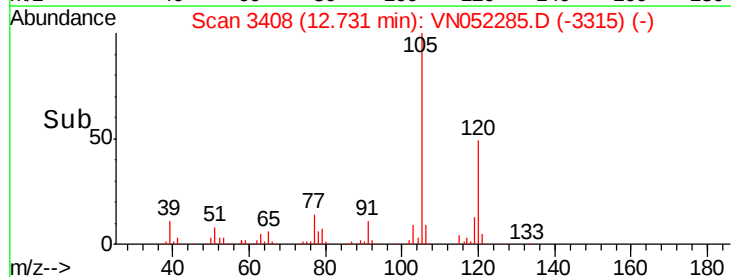
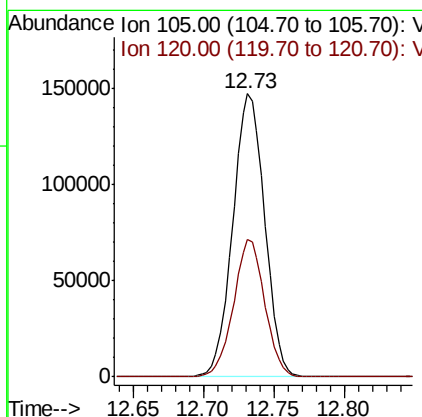
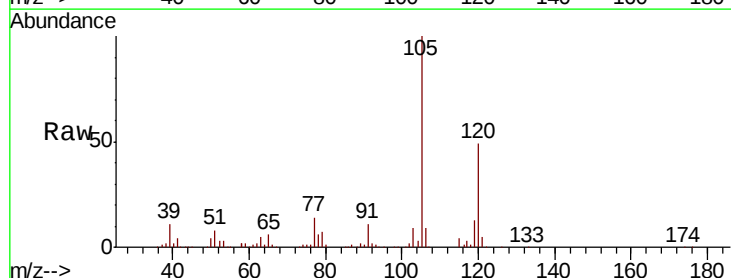
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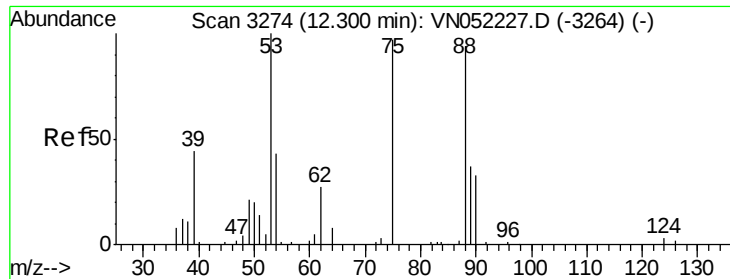
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.855 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion: 105 Resp: 233115
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.335 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

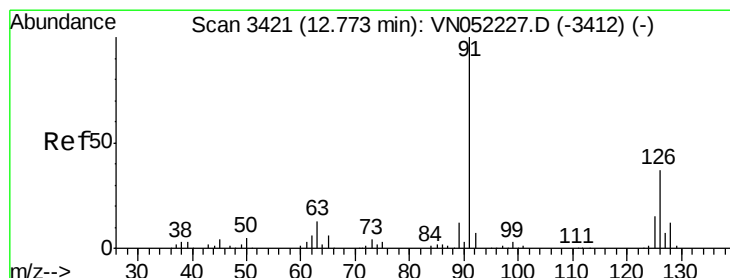
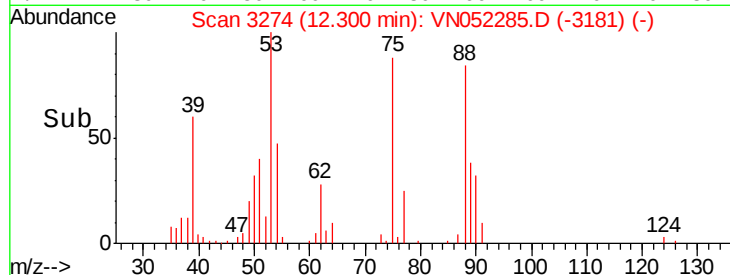
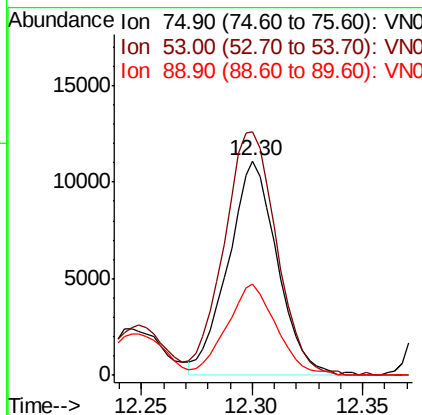
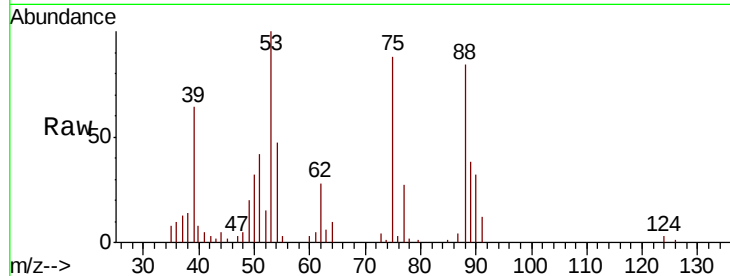
ClientSampleId :

VN1113WBS02

Tot Ion:	75	Resp:	17163
Ion	Ratio	Lower	Upper
75	100		
53	121.9	84.0	126.0
89	43.0	33.7	50.5

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#82

4-Chlorotoluene

Concen: 19.721 ug/l

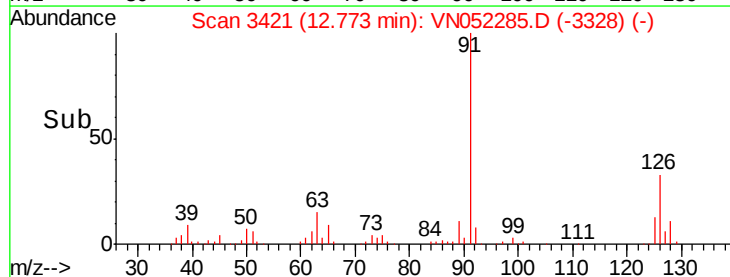
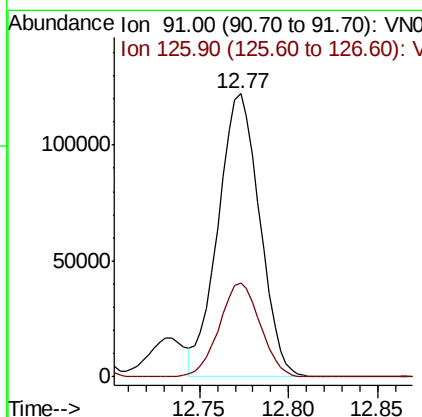
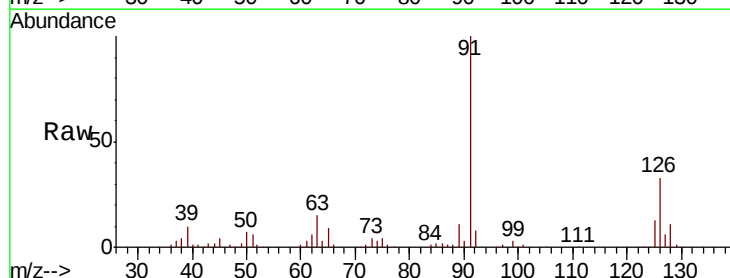
RT: 12.77 min Scan# 3421

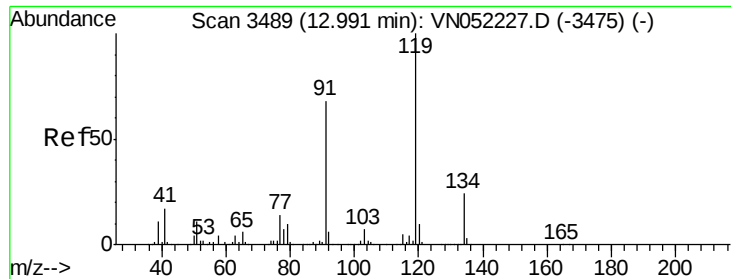
Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Tgt Ion:	91	Resp:	198211
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.9	50.7





#83

tert-Butylbenzene

Concen: 19.162 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Instrument :

MSVOA_N

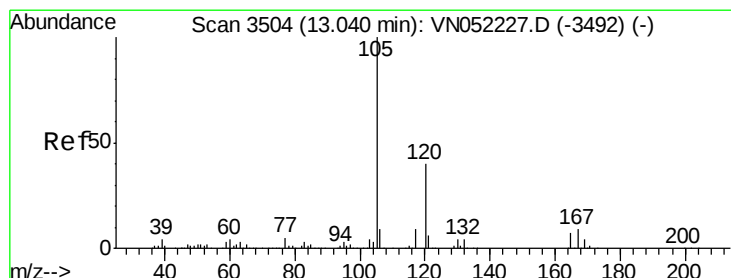
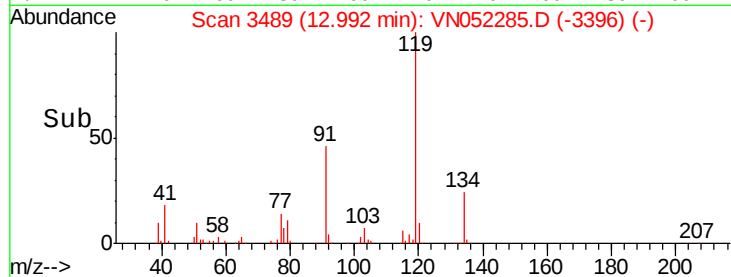
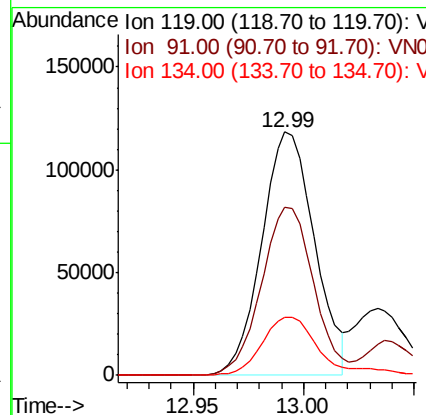
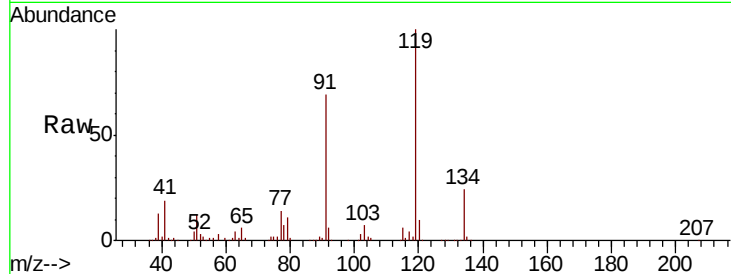
ClientSampleId :

VN1113WBS02

Tot Ion:	119	Resp:	196414
Ion Ratio	Lower	Upper	
119	100		
91	68.2	33.5	100.4
134	24.4	13.0	38.9

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#84

1,2,4-Trimethylbenzene

Concen: 19.643 ug/l

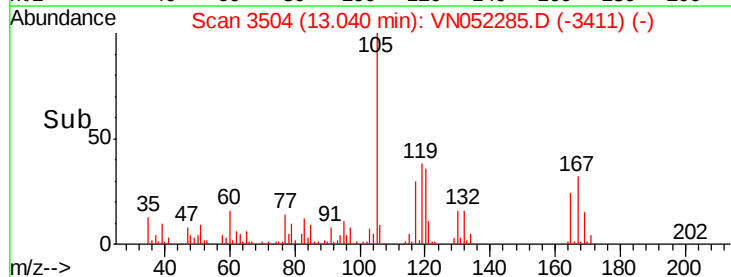
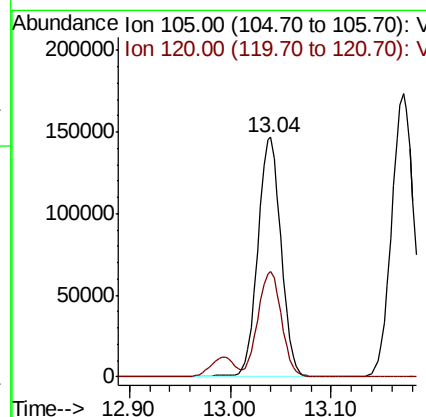
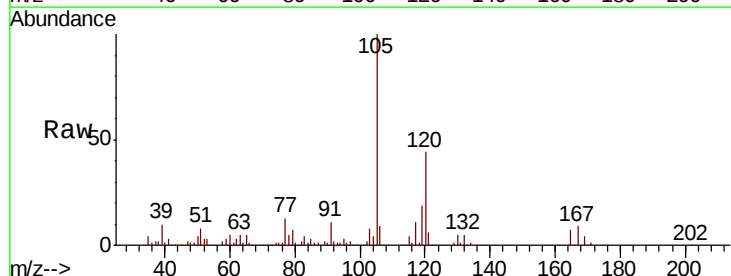
RT: 13.04 min Scan# 3504

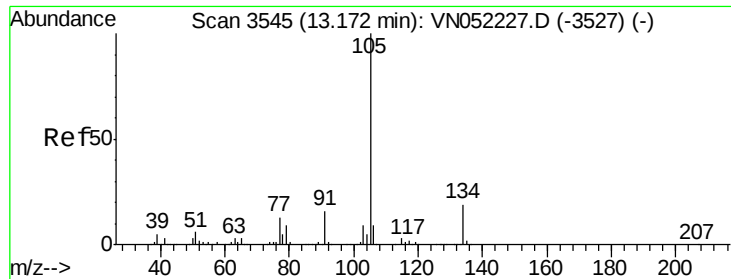
Delta R.T. 0.00 min

Lab File: VN052285.D

Acq: 13 Nov 2018 14:37

Tgt Ion:	105	Resp:	232529
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.7	68.1





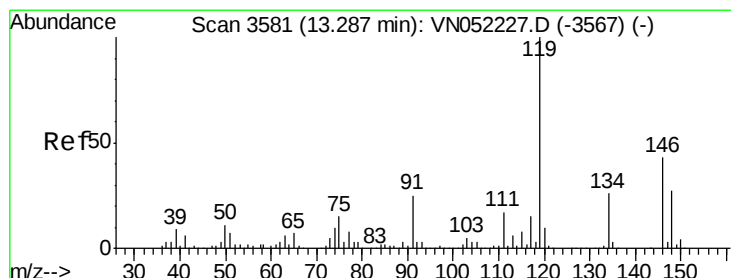
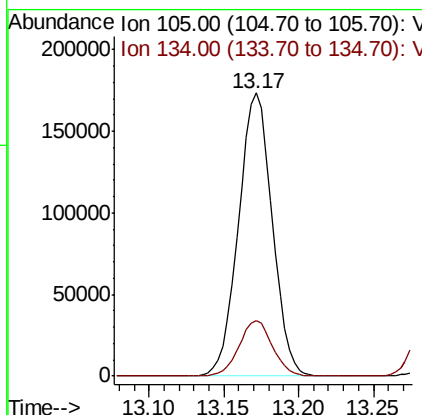
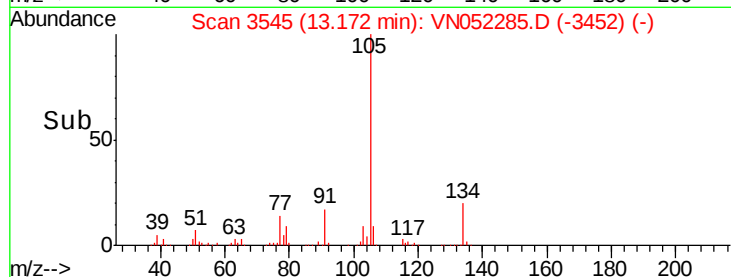
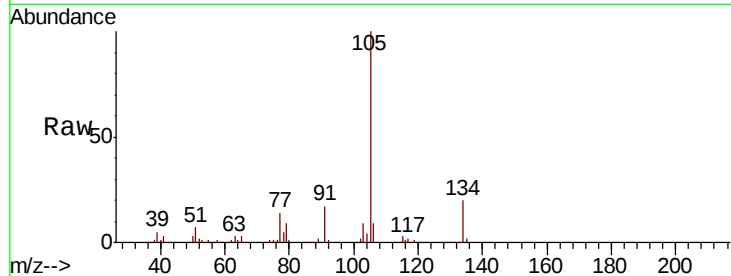
#85
 sec-Butylbenzene
 Concen: 19.367 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9

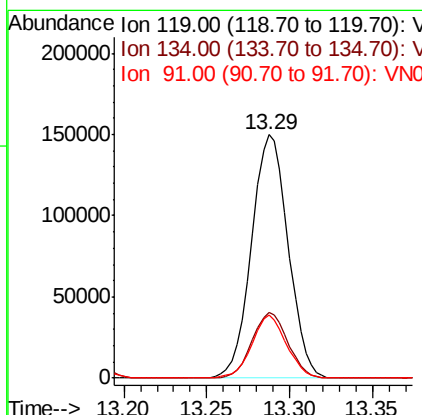
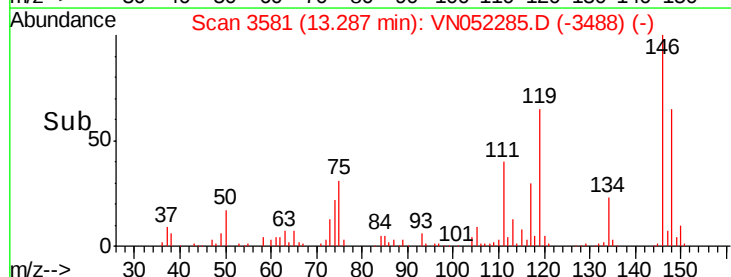
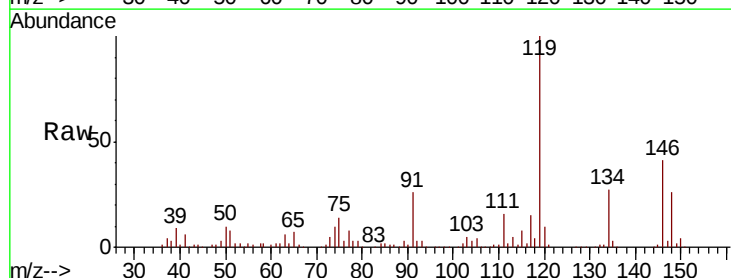
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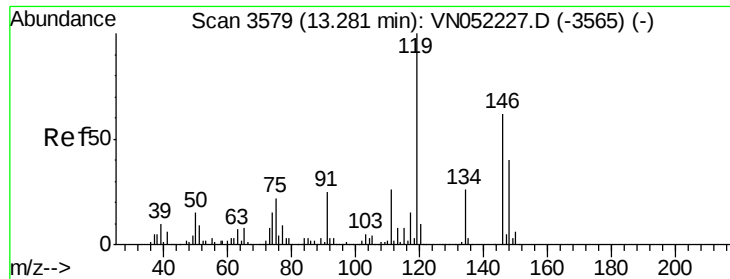
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#86
 p-Isopropyltoluene
 Concen: 19.555 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.6
91	24.5	12.4	37.0





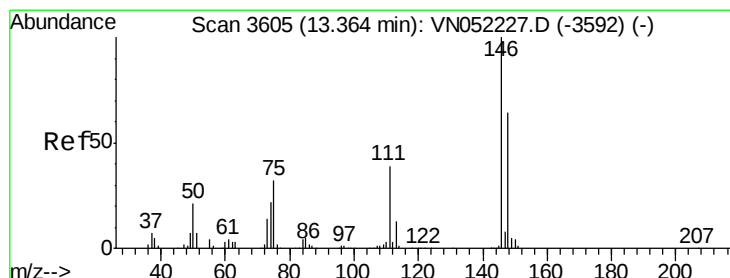
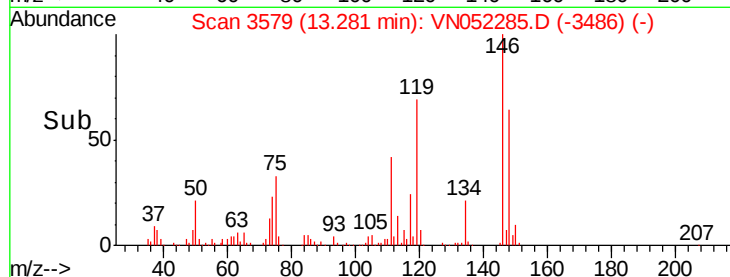
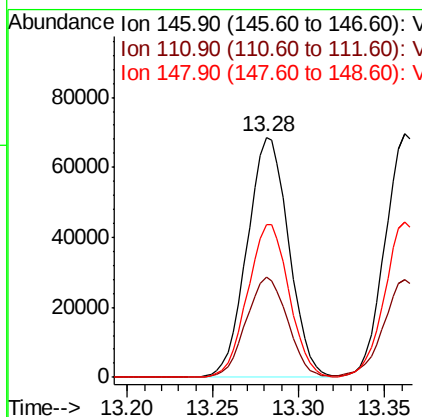
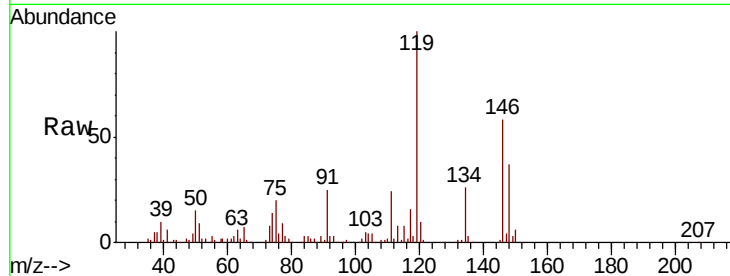
#87
 1,3-Dichlorobenzene
 Concen: 19.165 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.1	60.3
148	63.2	31.6	94.7

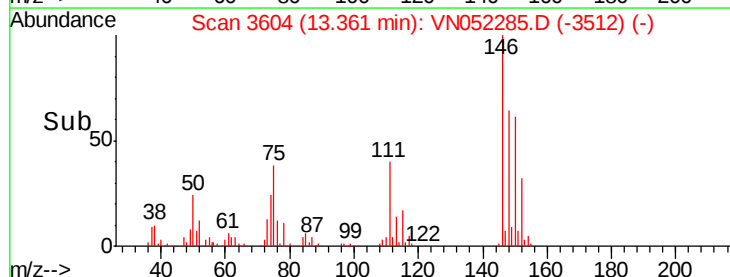
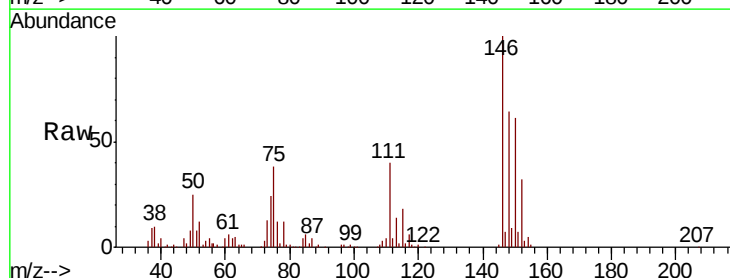
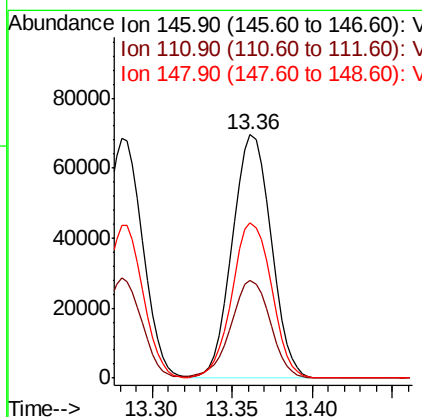
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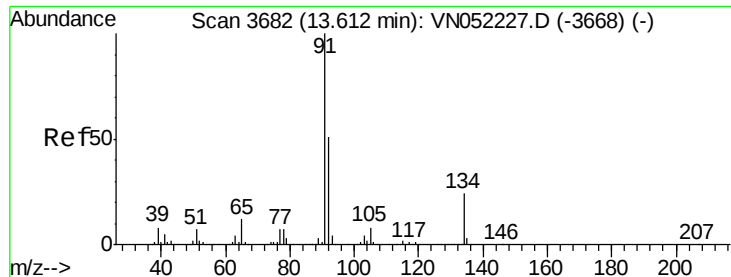
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#88
 1,4-Dichlorobenzene
 Concen: 19.157 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.2	60.6
148	65.1	32.1	96.3





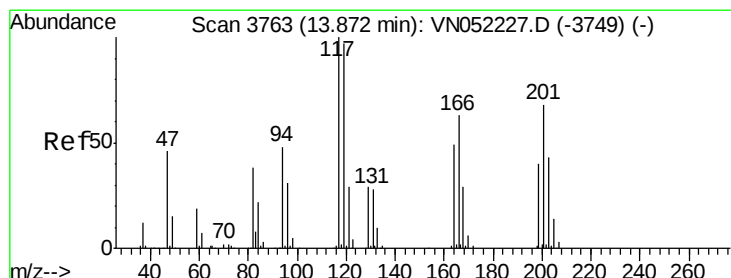
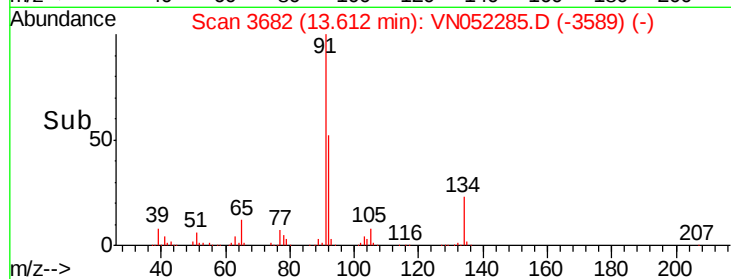
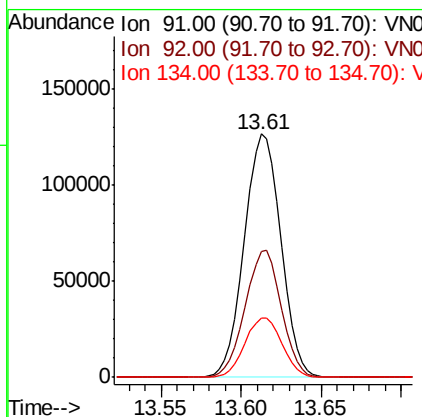
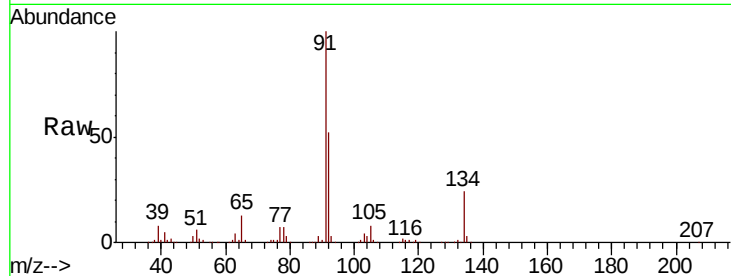
#89
n-Butylbenzene
Concen: 18.863 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.1	75.3
134	24.7	12.0	36.1

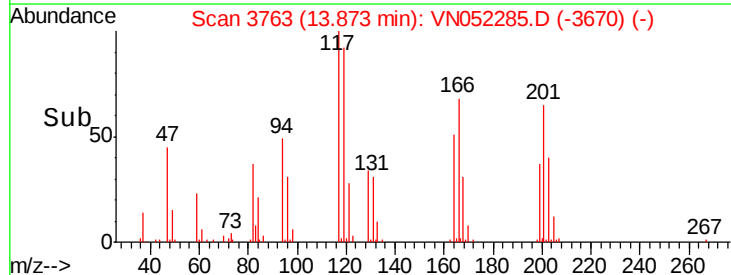
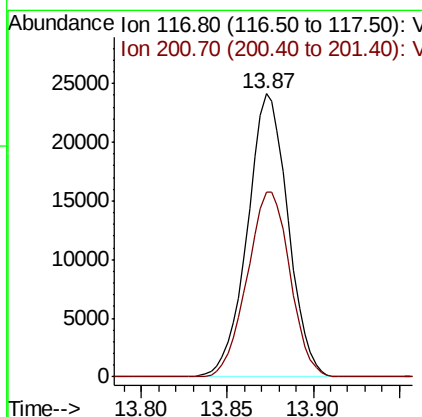
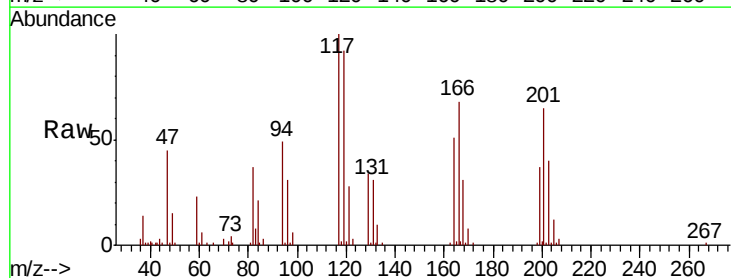
Manual Integrations
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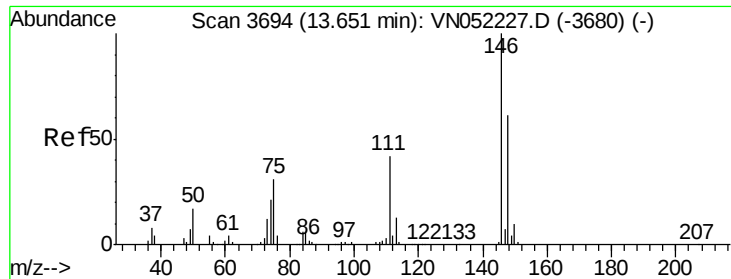
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#90
Hexachloroethane
Concen: 19.202 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.6	103.9





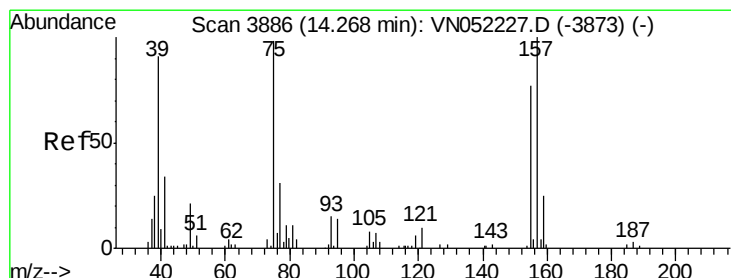
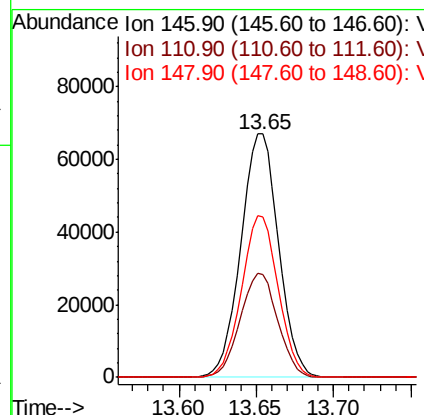
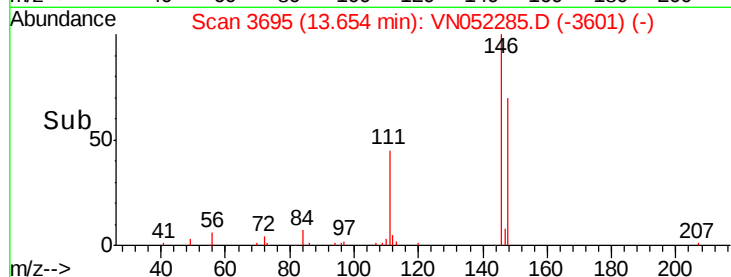
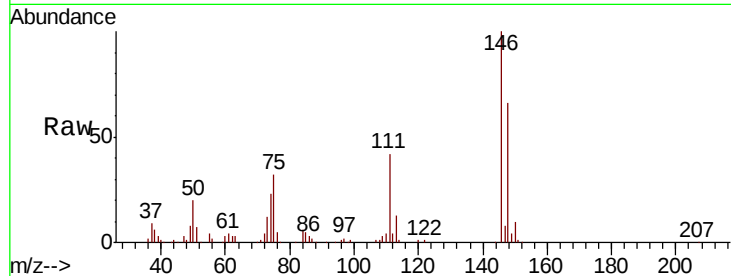
#91
 1,2-Dichlorobenzene
 Concen: 19.291 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.3
148	64.8	31.3	93.8

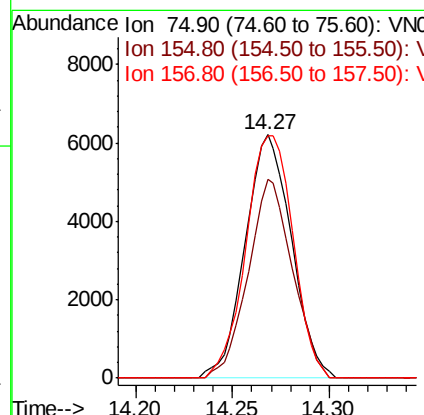
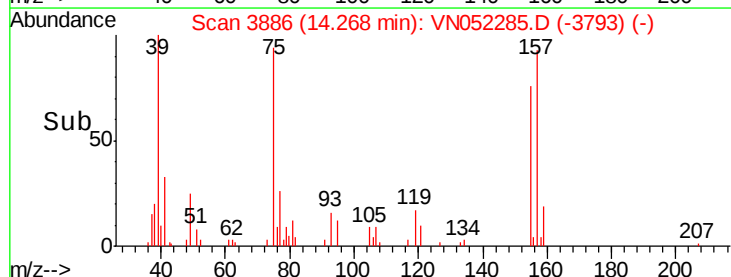
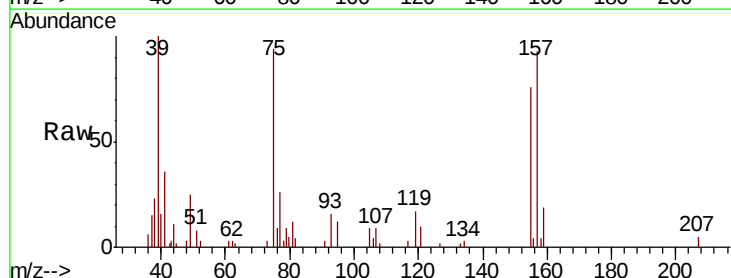
Manual Integrations
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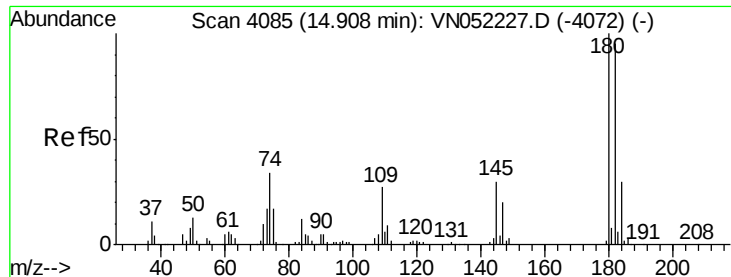
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.067 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052285.D
 Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	40.2	120.5
157	101.5	51.7	155.2





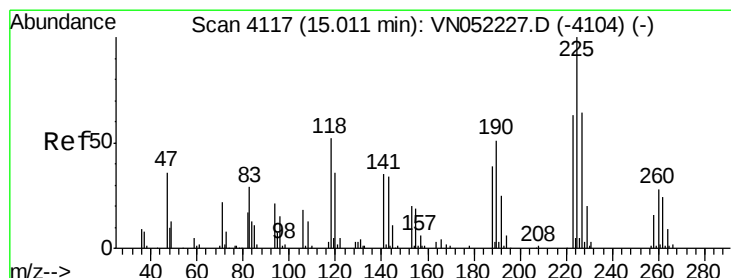
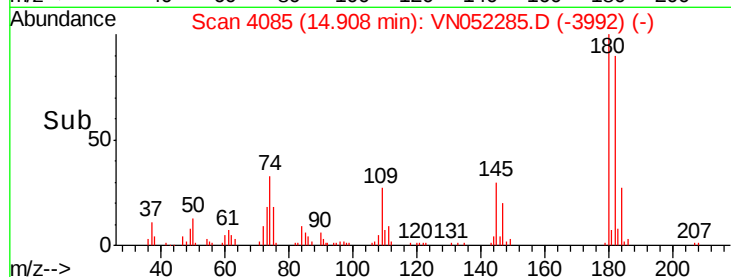
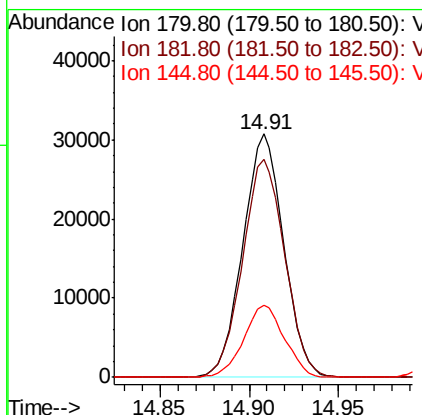
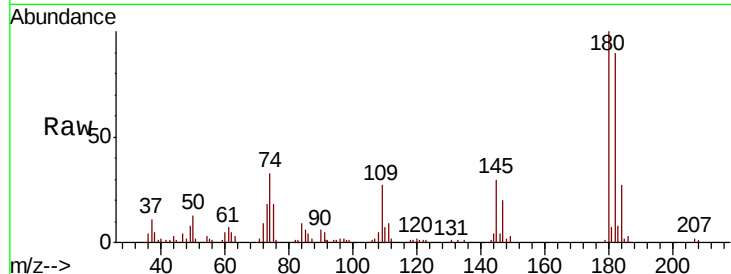
#93
1,2,4-Trichlorobenzene
Concen: 21.139 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.3	142.0
145	29.6	15.6	46.8

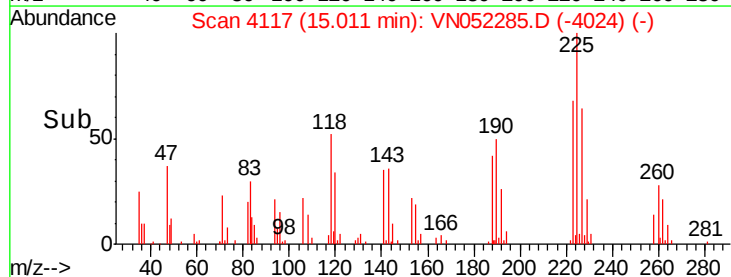
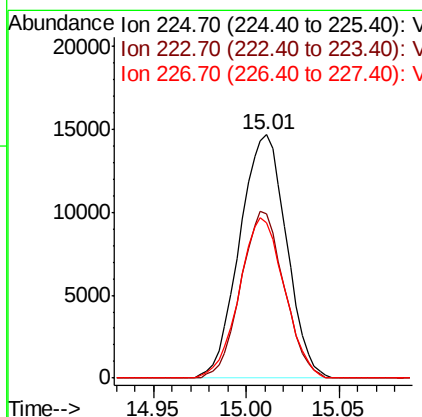
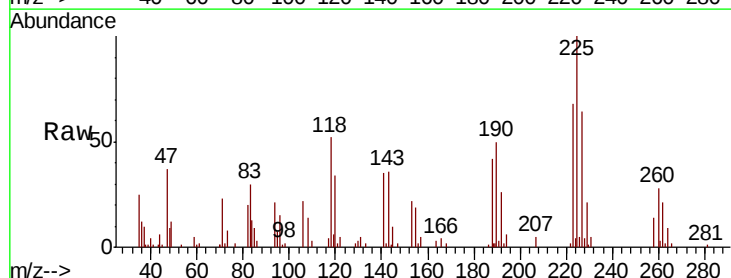
Manual Integrations
APPROVED

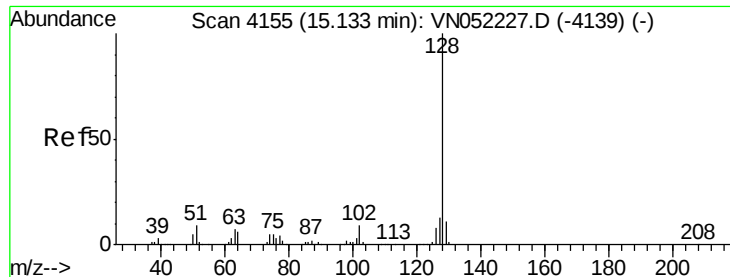
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#94
Hexachlorobutadiene
Concen: 20.345 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	32.1	96.3
227	63.5	31.8	95.4





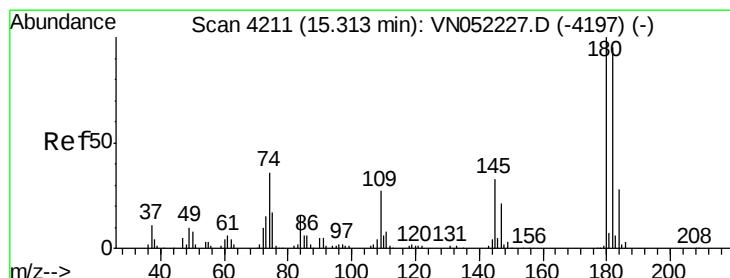
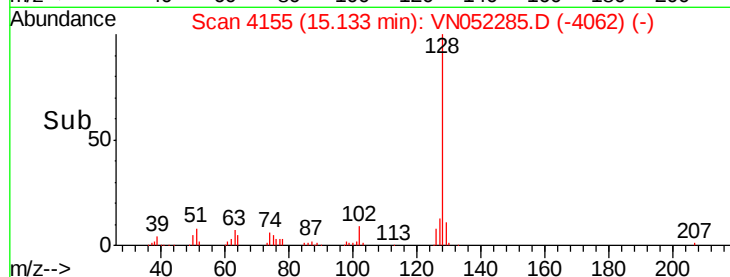
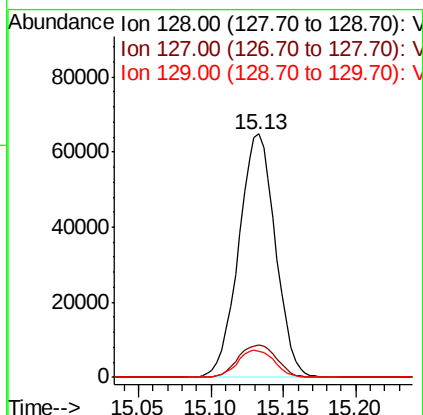
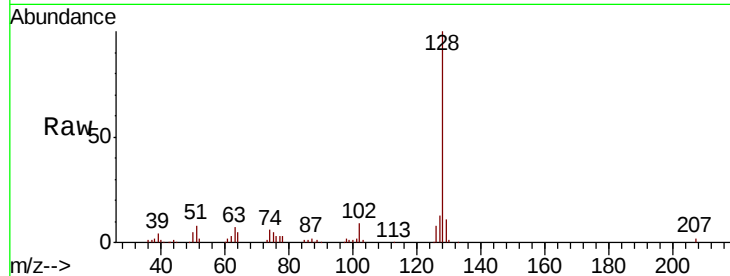
#95
Naphthalene
Concen: 19.909 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/14/2018 11:10:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.678 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052285.D
Acq: 13 Nov 2018 14:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.7	143.1
145	32.8	16.8	50.3

