

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052597.D
 Acq On : 30 Nov 2018 10:55
 Operator : MD\SY
 Sample : VN1130WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 10:49:23 AM

Quant Time: Nov 30 11:17:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	166307	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	965368	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	844305	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	336174	29.67	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.90%
60) 4-Bromofluorobenzene	12.40	95	382814	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	1162745	29.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	183153	19.337	ug/l 100
3) Chloromethane	2.06	50	241578	19.231	ug/l 99
4) Vinyl Chloride	2.19	62	251253	19.818	ug/l 96
5) Bromomethane	2.57	94	149167	20.635	ug/l 96
6) Chloroethane	2.71	64	151910	20.148	ug/l 98
7) Trichlorofluoromethane	3.02	101	316035	20.198	ug/l 100
8) Diethyl Ether	3.41	74	116445	20.155	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	195992	19.759	ug/l 98
10) 1,1-Dichloroethene	3.74	96	187251	20.078	ug/l 98
11) Methyl Iodide	3.96	142	267670	20.672	ug/l 99
12) Methyl Acetate	4.33	43	163973	20.693	ug/l 97
13) Acrolein	3.61	56	119951	128.867	ug/l 99
14) Acrylonitrile	4.99	53	343244	101.662	ug/l 98
15) Acetone	3.82	58	91704	104.878	ug/l 97
16) Carbon Disulfide	4.06	76	556473	18.847	ug/l 99
17) Allyl chloride	4.33	41	300542	18.478	ug/l 97
18) Methylene Chloride	4.55	84	219062	20.287	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	203504	20.276	ug/l 96
20) Diisopropyl ether	5.95	45	682257	19.961	ug/l 99
21) 1,1-Dichloroethane	5.85	63	392198	20.133	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	234697	20.404	ug/l 99
23) tert-Butyl Alcohol	4.78	59	58257	115.990	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	514757	21.040	ug/l 97
25) Chloroform	7.37	83	378821	20.157	ug/l 99
26) Cyclohexane	7.65	56	351924	19.154	ug/l 100
29) 1,1-Dichloropropene	7.79	75	296925	20.141	ug/l 99
30) 2-Butanone	6.84	43	407990	103.426	ug/l 99
31) 2,2-Dichloropropane	6.83	77	275663	20.311	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	314752	20.519	ug/l 98
33) Carbon Tetrachloride	7.78	117	270898	20.183	ug/l 99
34) Benzene	8.04	78	892401	20.134	ug/l 98
35) Methacrylonitrile	7.17	41	89158	18.217	ug/l 96
36) 1,2-Dichloroethane	8.13	62	275058	20.479	ug/l 100
37) Trichloroethene	8.84	130	232317	20.670	ug/l 96
38) Methylcyclohexane	9.08	83	352543	19.318	ug/l 98
39) 1,2-Dichloropropane	9.12	63	234024	19.697	ug/l 97
40) Dibromomethane	9.21	93	133331	20.767	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	283287	19.971	ug/l	97
42) Vinyl Acetate	5.90	43	2128600	99.730	ug/l	99
43) Ethyl Acetate	6.93	43	175386	20.909	ug/l #	71
44) Isopropyl Acetate	8.17	43	314747	21.395	ug/l	98
45) 1,4-Dioxane	9.20	88	37962	471.699	ug/l	95
46) Methyl methacrylate	9.20	41	156524	20.492	ug/l	98
47) n-amyl Acetate	12.07	43	243394	19.954	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	270910	19.697	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	328542	19.606	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	188578	20.721	ug/l	99
51) Ethyl methacrylate	10.43	69	234861	20.547	ug/l	97
52) 1,3-Dichloropropane	10.71	76	329748	20.356	ug/l	99
53) Dibromochloromethane	10.90	129	203947	20.354	ug/l	98
54) 1,2-Dibromoethane	11.01	107	187161	21.045	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	662793	99.061	ug/l	98
56) Bromoform	12.13	173	132093	20.169	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	871600	106.483	ug/l	99
59) 2-Hexanone	10.75	43	591022	105.700	ug/l	98
61) Tetrachloroethene	10.63	164	222164	21.365	ug/l	97
62) Toluene	10.16	91	947224	20.351	ug/l	99
64) Chlorobenzene	11.44	112	580528	20.435	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	203237	20.610	ug/l	98
66) Ethyl Benzene	11.51	91	1013047	20.195	ug/l	98
67) m/p-Xylenes	11.62	106	766328	41.005	ug/l	98
68) o-Xylene	11.95	106	369588	20.375	ug/l	100
69) Styrene	11.97	104	590364	20.164	ug/l	99
70) Isopropylbenzene	12.25	105	996901	20.656	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	220243	20.978	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	180149m	19.989	ug/l	
73) Bromobenzene	12.53	156	242842	20.804	ug/l	96
74) n-propylbenzene	12.59	91	1121583	19.945	ug/l	98
75) 2-Chlorotoluene	12.68	91	672344	20.599	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	801802	20.568	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	55660	19.551	ug/l	97
78) 4-Chlorotoluene	12.77	91	665595	20.420	ug/l	100
79) tert-butylbenzene	12.99	119	701993	20.678	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	811029	20.792	ug/l	99
81) sec-Butylbenzene	13.17	105	954771	20.191	ug/l	100
82) p-Isopropyltoluene	13.29	119	816577	20.280	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	417397	20.332	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	405323	20.435	ug/l	98
85) n-Butylbenzene	13.62	91	663702	19.189	ug/l	100
86) Hexachloroethane	13.88	117	131254	19.239	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	405314	20.747	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31151	21.182	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	191740	19.921	ug/l	100
90) Hexachlorobutadiene	15.01	225	131463	20.821	ug/l	99
91) Naphthalene	15.13	128	395315	20.338	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	183991	20.743	ug/l	97

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QLast Update : Tue Nov 27 00:48:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

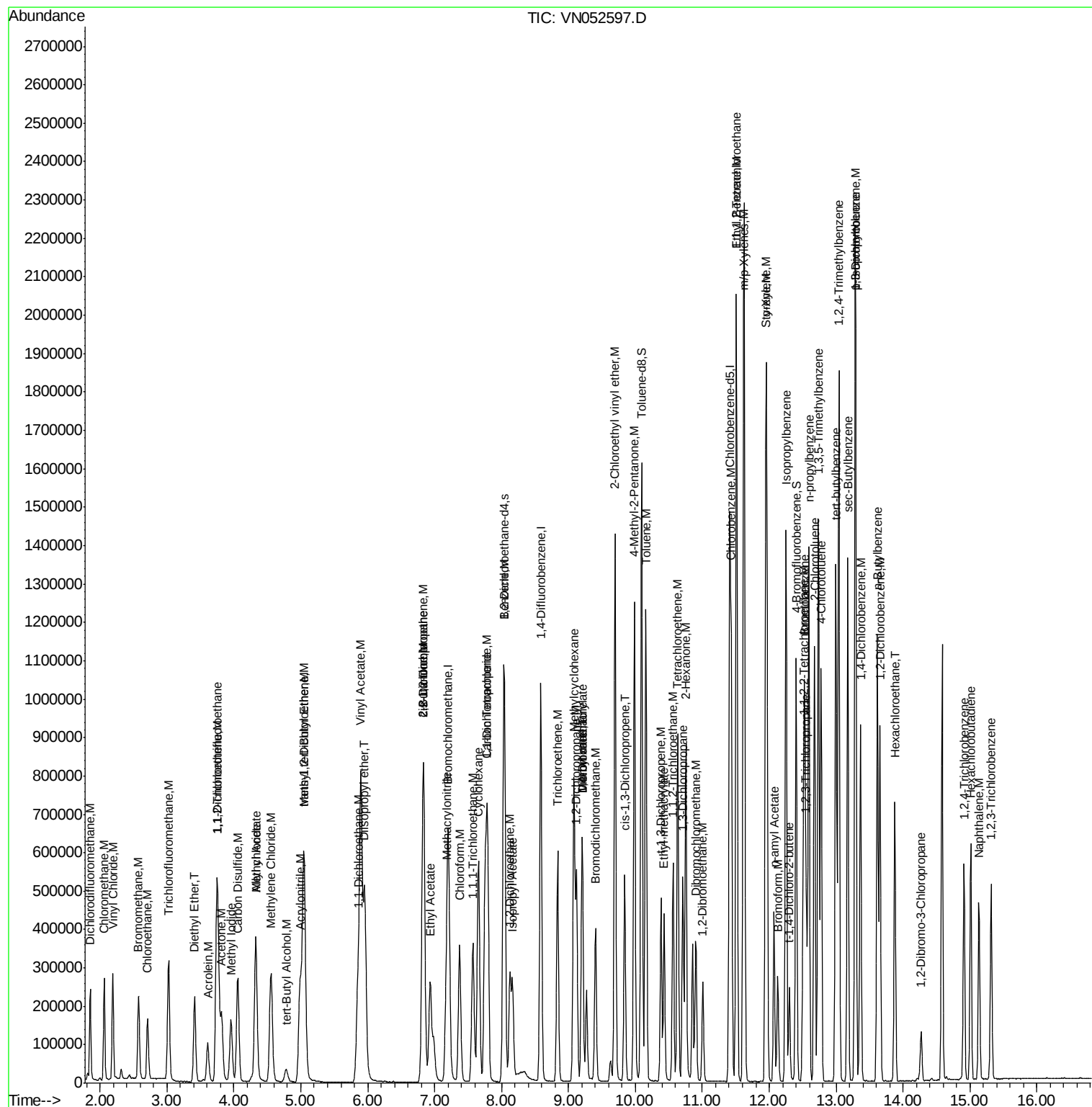
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Data File : VN052597.D
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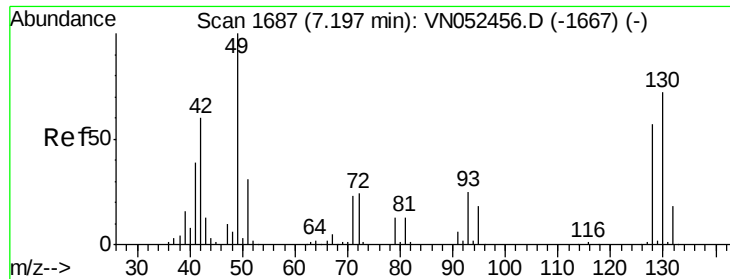
Instrument :
MSVOA_N
Client Sample Id :
VN1130WBS01

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

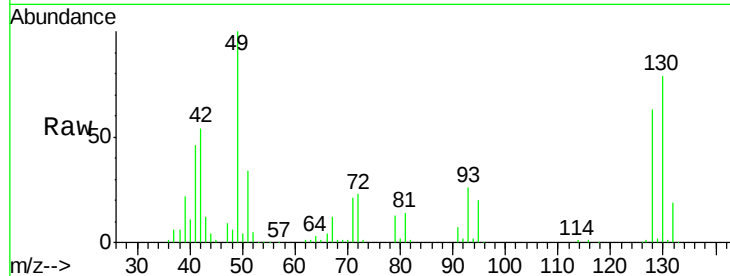
ClientSampleId :

VN1130WBS01

Tgt Ion:	128	Resp:	166307
Ion Ratio	Lower	Upper	
128	100		
49	162.9	0.0	431.8
130	128.3	0.0	317.0

Manual Integrations
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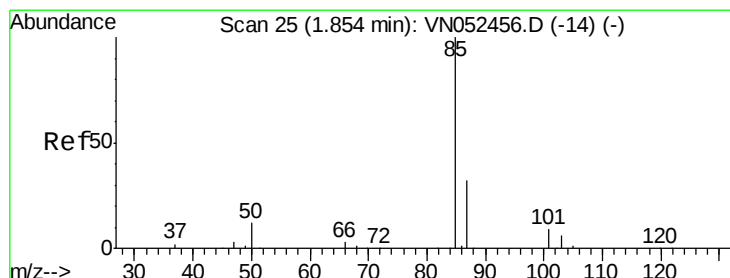
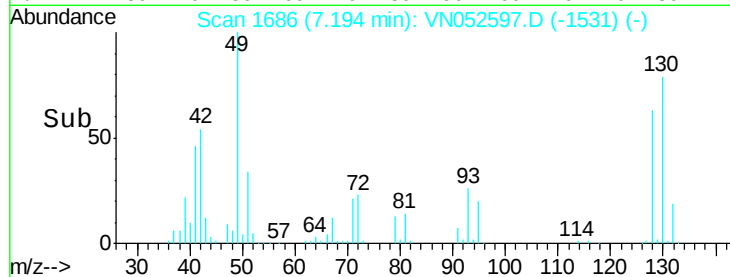
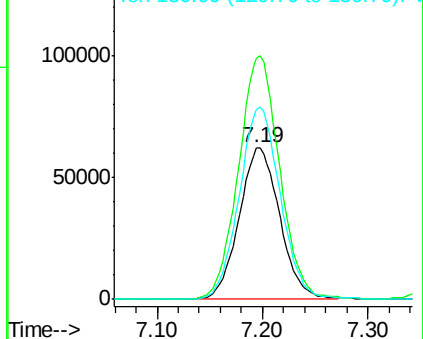
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.337 ug/l

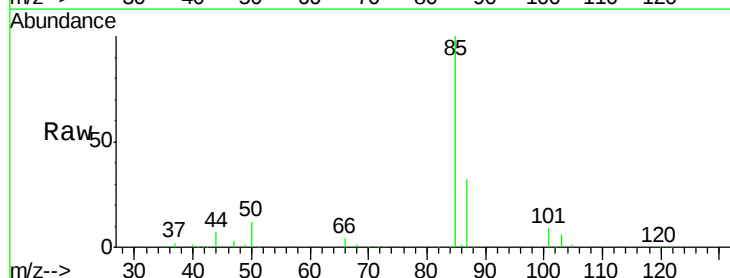
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052597.D

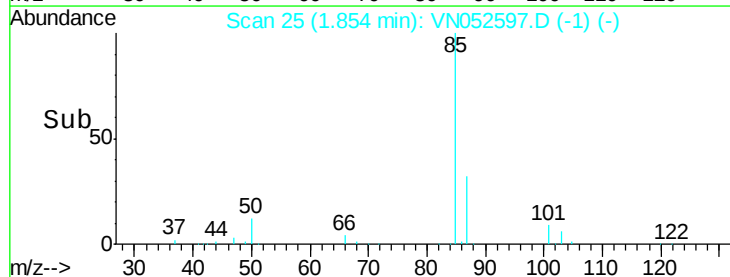
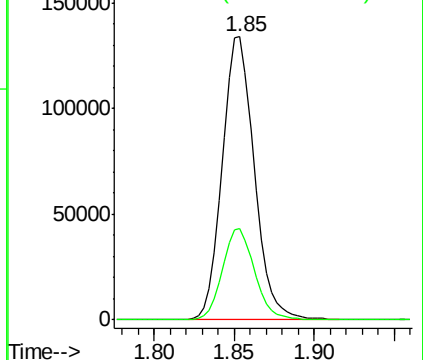
Acq: 30 Nov 2018 10:55

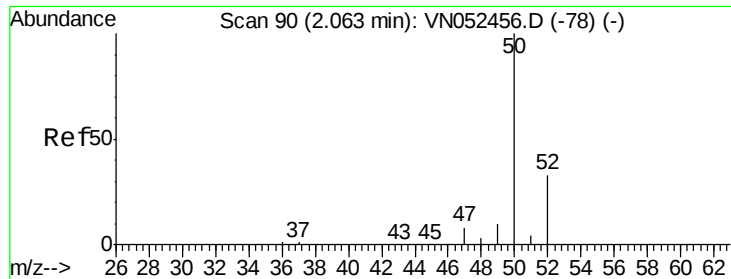
Tgt Ion:	85	Resp:	183153
Ion Ratio	Lower	Upper	
85	100		
87	32.3	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.231 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampled :

VN1130WBS01

Tgt Ion: 50 Resp: 241578

Ion Ratio Lower Upper

50 100

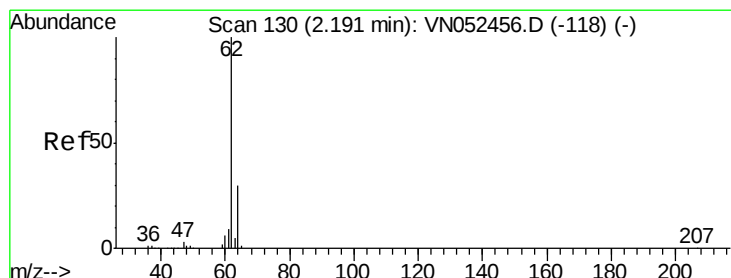
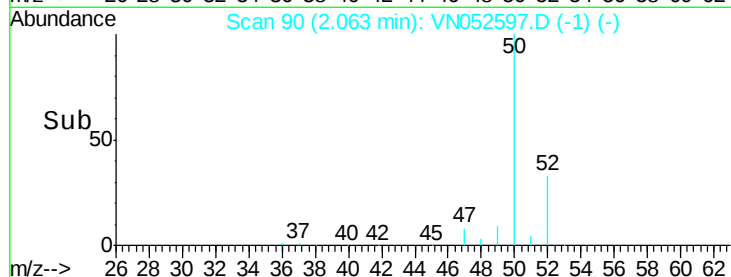
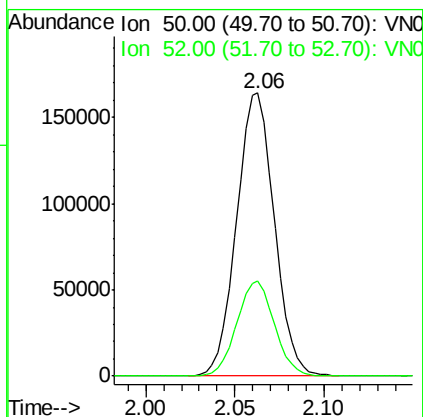
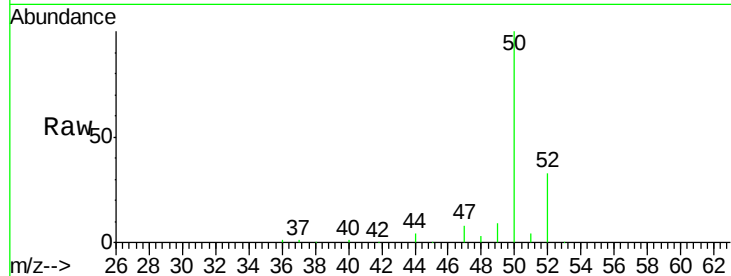
52 33.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.818 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052597.D

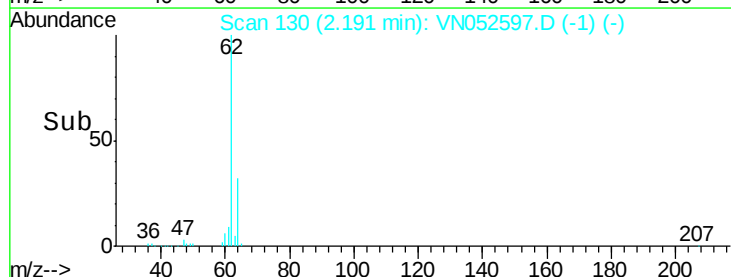
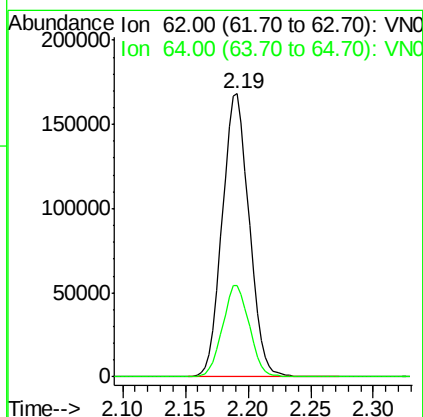
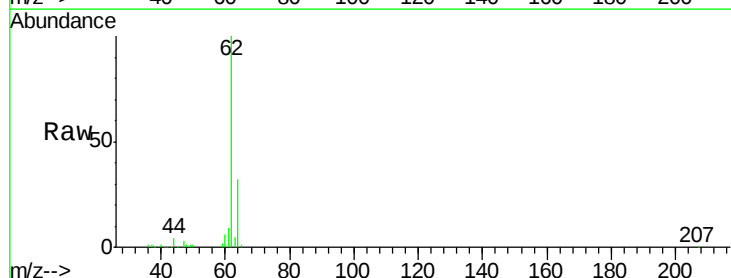
Acq: 30 Nov 2018 10:55

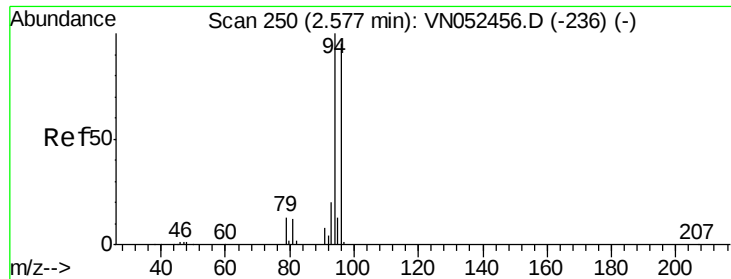
Tgt Ion: 62 Resp: 251253

Ion Ratio Lower Upper

62 100

64 32.4 24.2 36.4





#5

Bromomethane

Concen: 20.635 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS01

Tgt Ion: 94 Resp: 149167

Ion Ratio Lower Upper

94 100

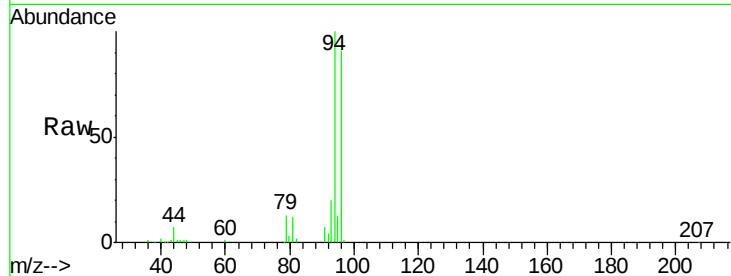
96 91.2 76.2 114.2

Manual Integrations

APPROVED

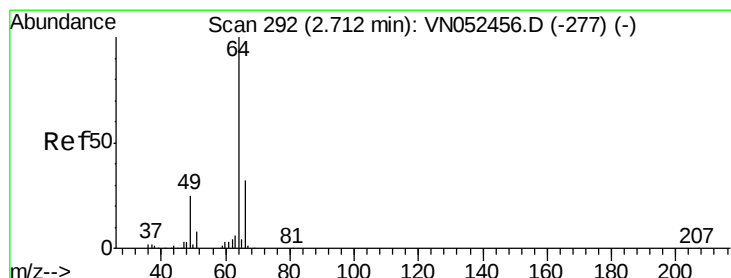
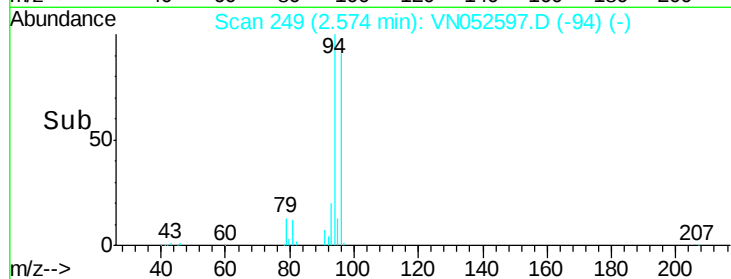
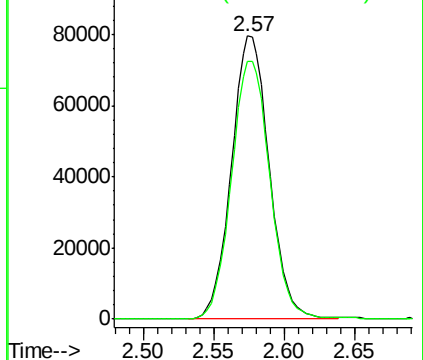
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.148 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052597.D

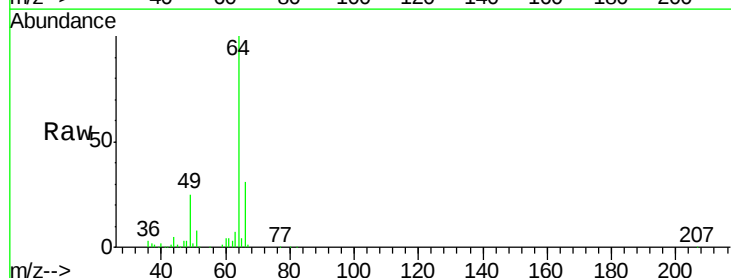
Acq: 30 Nov 2018 10:55

Tgt Ion: 64 Resp: 151910

Ion Ratio Lower Upper

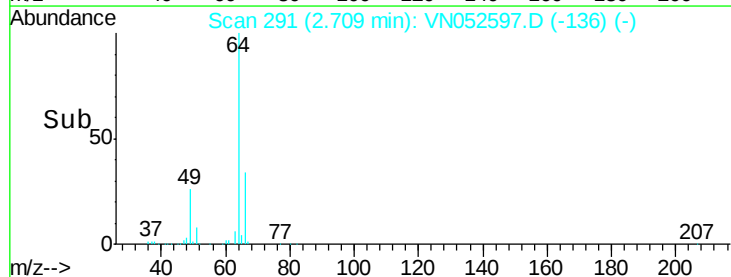
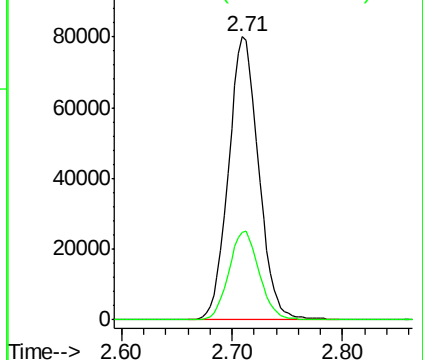
64 100

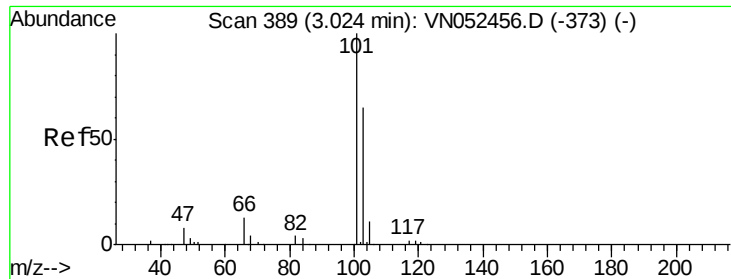
66 31.1 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

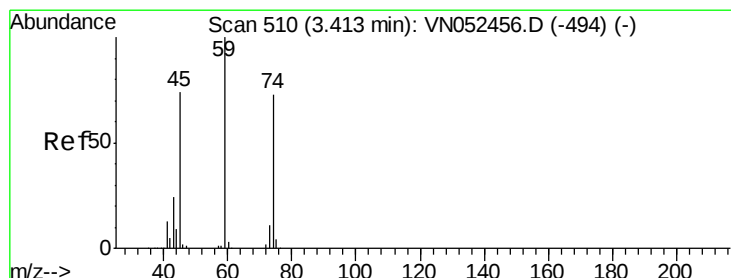
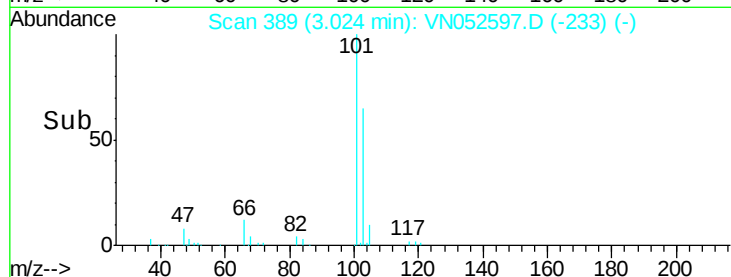
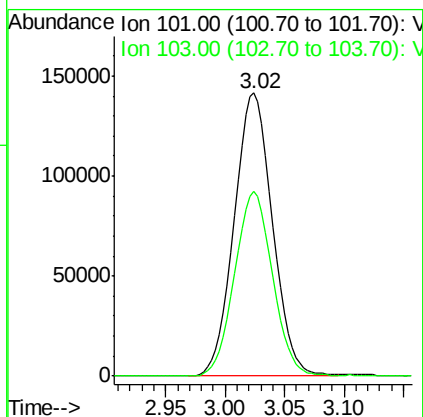
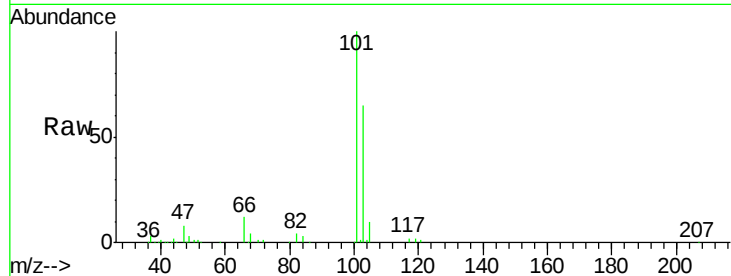
Trichlorofluoromethane
 Concen: 20.198 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
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 ClientSampleId :
 VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

Manual Integrations
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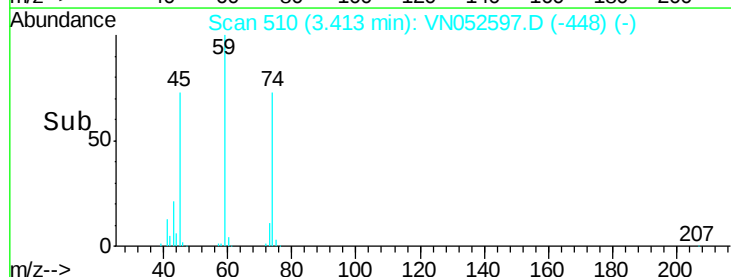
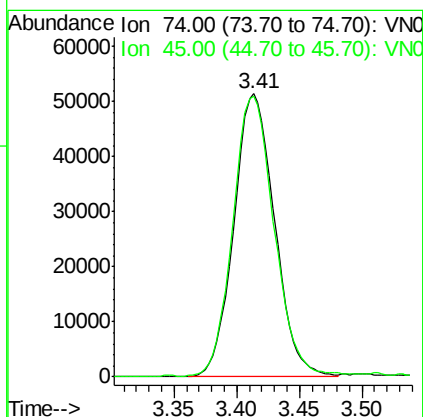
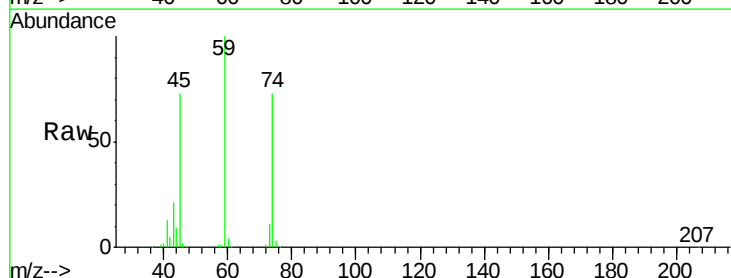
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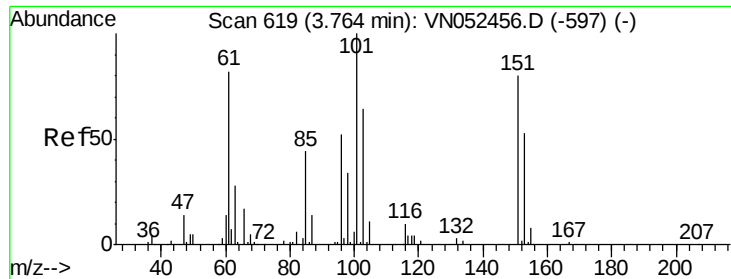


#8

Diethyl Ether
 Concen: 20.155 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.4	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.759 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

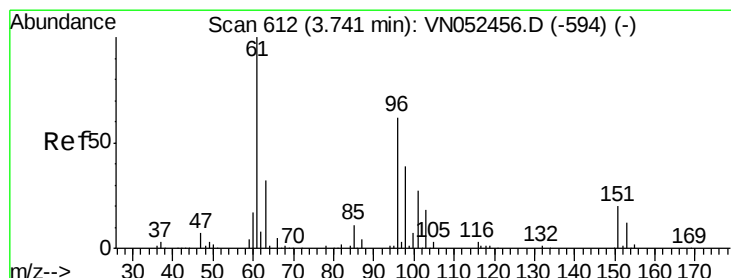
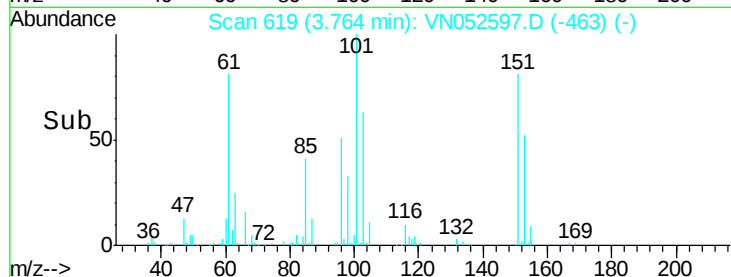
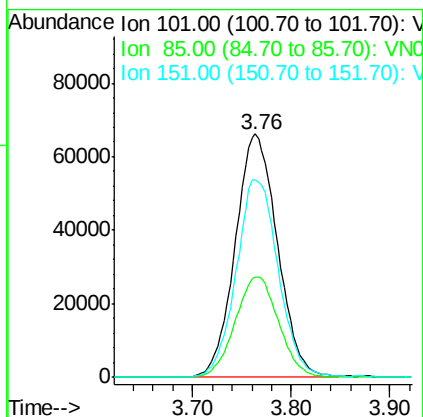
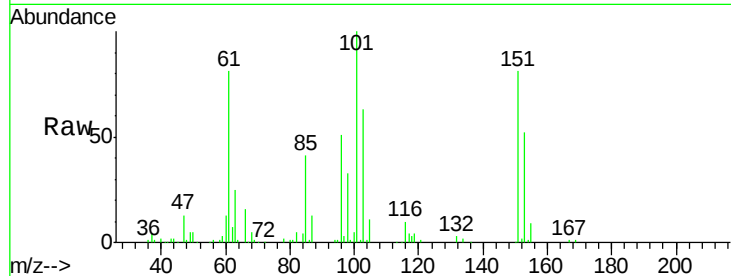
ClientSampled :

VN1130WBS01

Tgt Ion:	101	Resp:	195992
Ion Ratio	Lower	Upper	
101	100		
85	42.5	0.0	82.6
151	81.4	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 20.078 ug/l

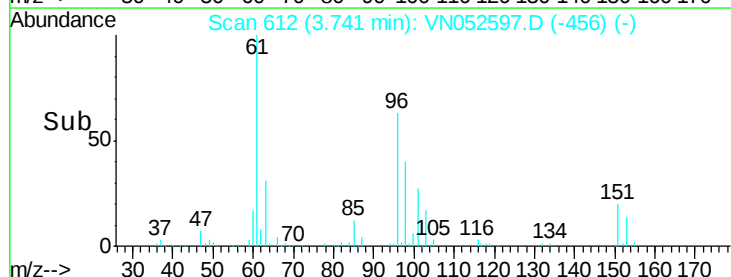
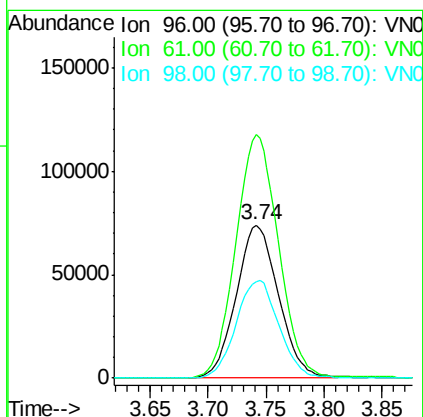
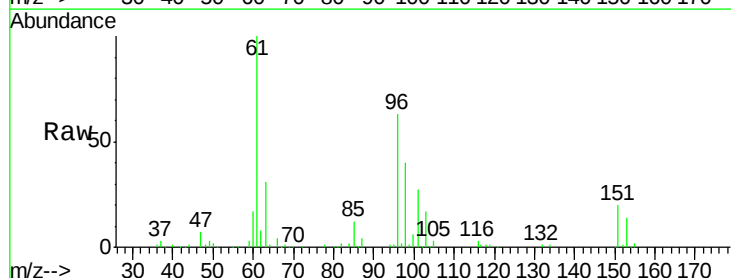
RT: 3.74 min Scan# 612

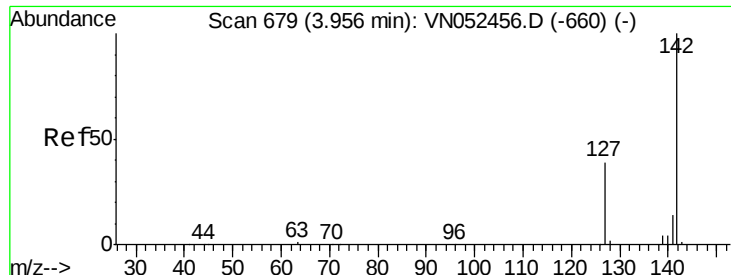
Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Tgt Ion:	96	Resp:	187251
Ion Ratio	Lower	Upper	
96	100		
61	158.7	129.4	194.2
98	63.2	50.4	75.6





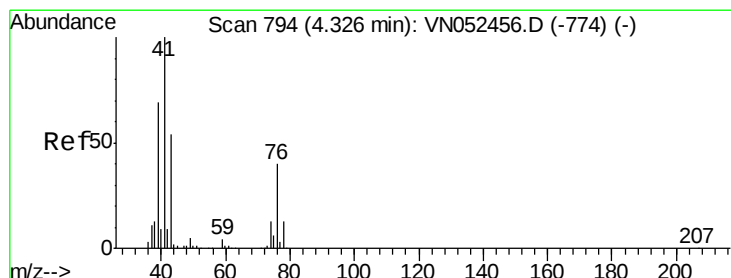
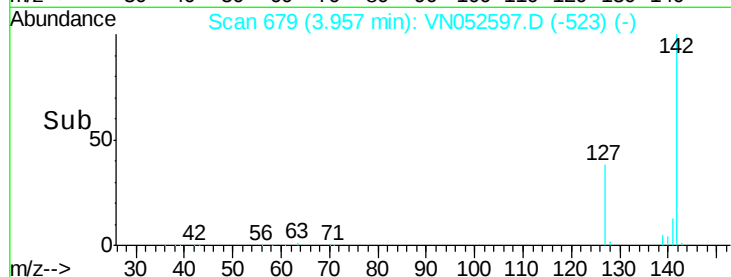
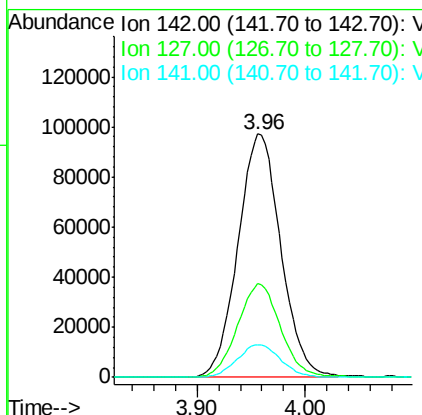
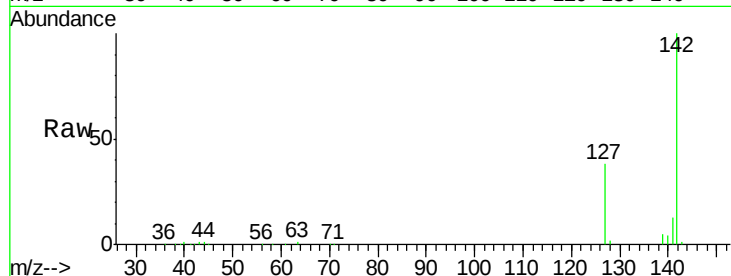
#11
Methyl Iodide
Concen: 20.672 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.3	19.4	58.1
141	13.6	7.2	21.6

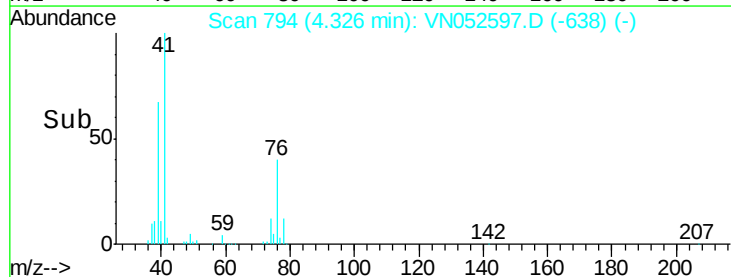
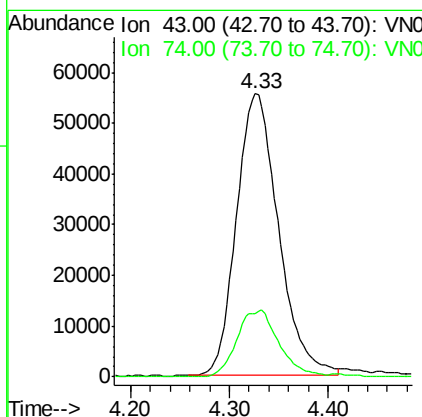
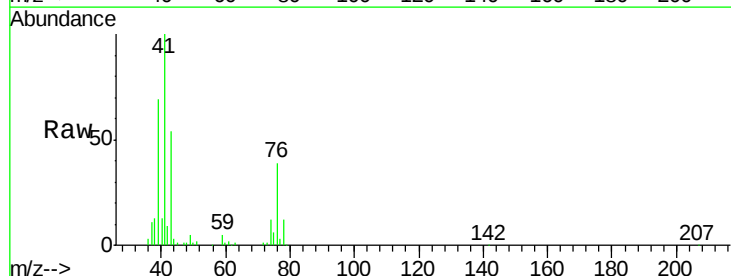
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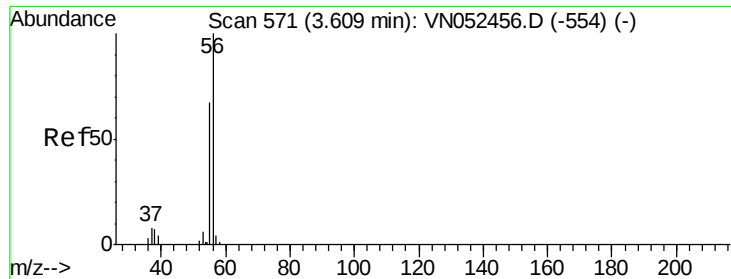
MMDadoda
12/3/2018 10:49:23 AM



#12
Methyl Acetate
Concen: 20.693 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.9	28.3





#13

Acrolein

Concen: 128.867 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampled :

VN1130WBS01

Tgt Ion: 56 Resp: 119951

Ion Ratio Lower Upper

56 100

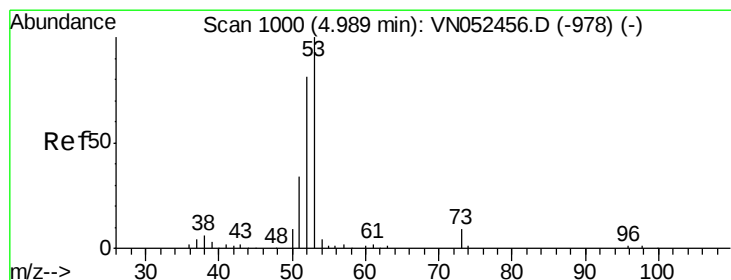
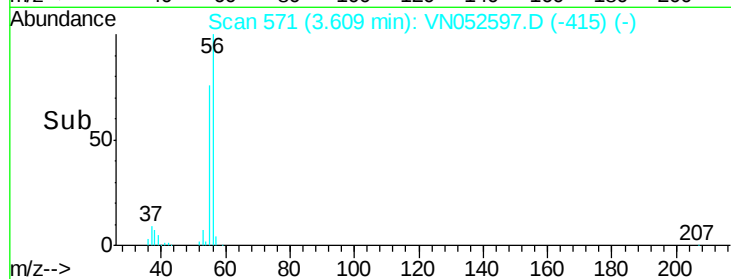
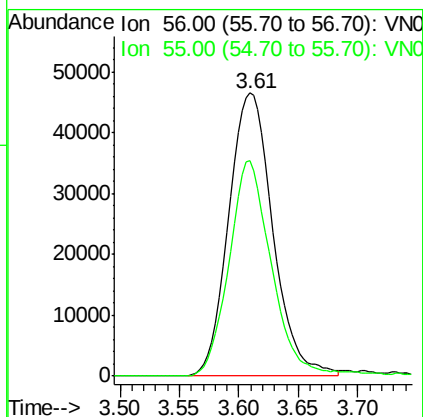
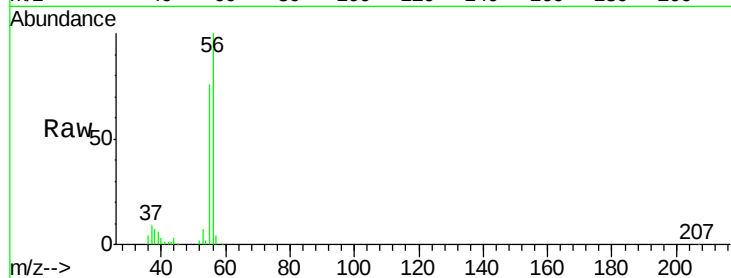
55 72.1 56.7 85.1

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#14

Acrylonitrile

Concen: 101.662 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

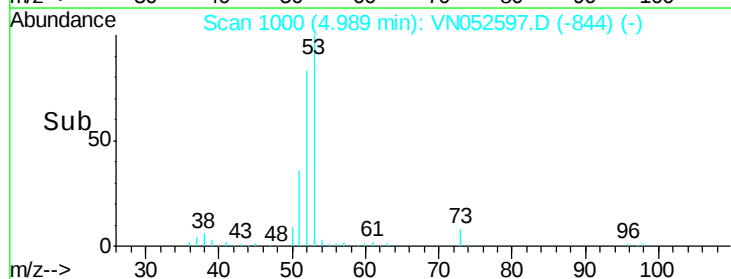
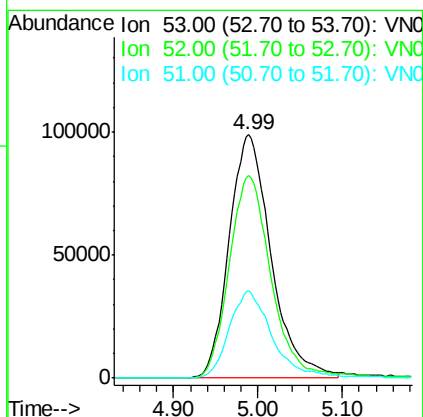
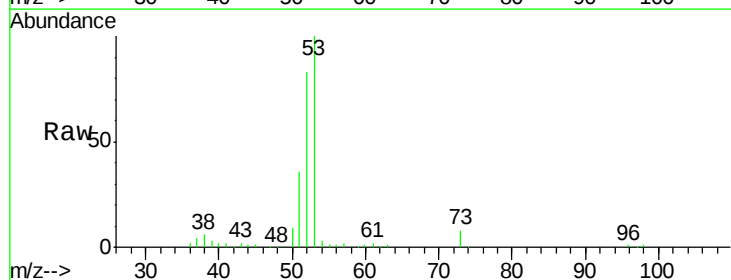
Tgt Ion: 53 Resp: 343244

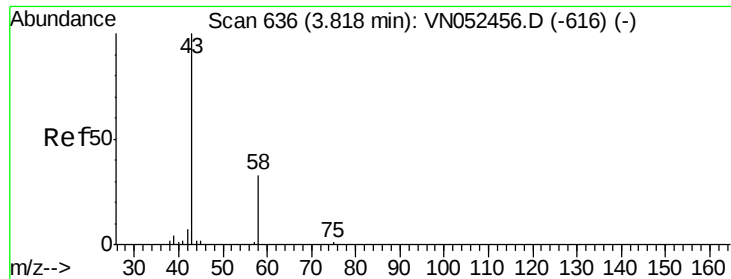
Ion Ratio Lower Upper

53 100

52 82.1 39.9 119.7

51 36.3 17.6 52.9





#15

Acetone

Concen: 104.878 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS01

Tgt Ion: 58 Resp: 91704

Ion Ratio Lower Upper

58 100

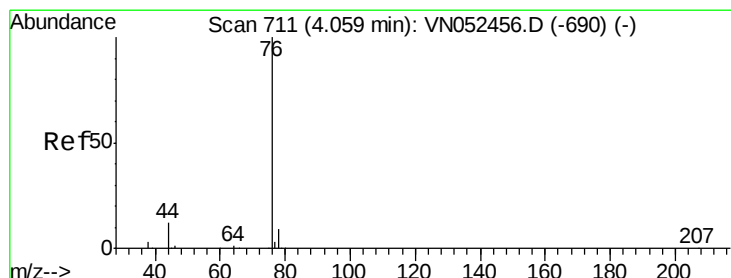
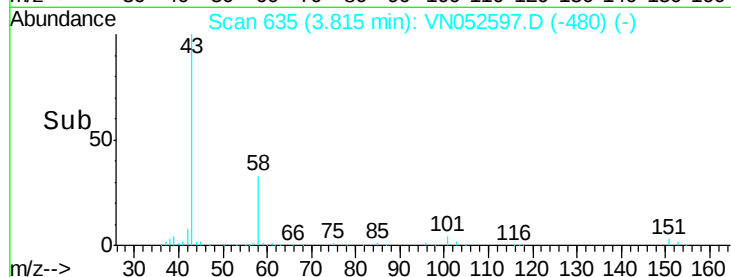
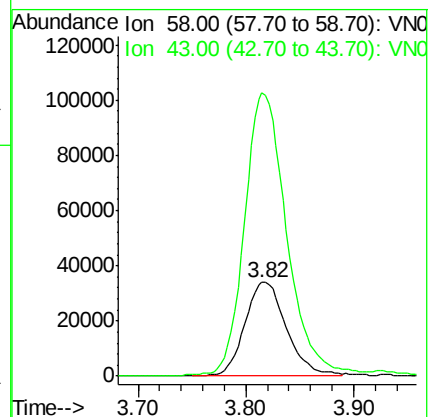
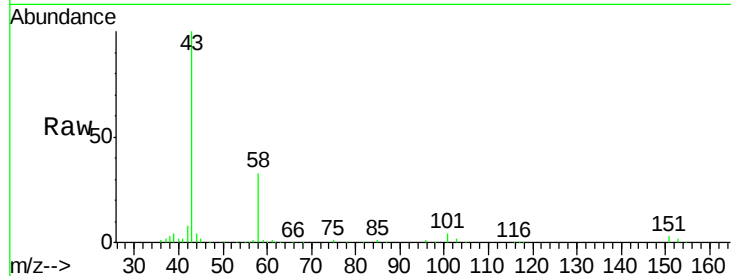
43 299.5 243.6 365.4

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.847 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052597.D

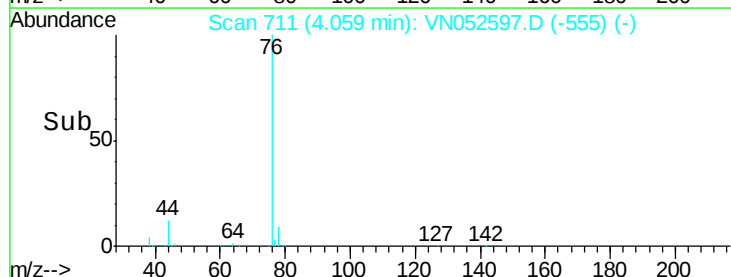
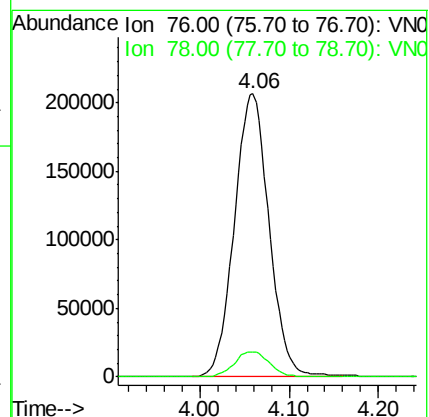
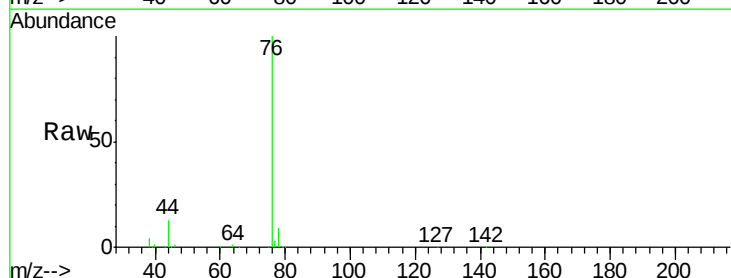
Acq: 30 Nov 2018 10:55

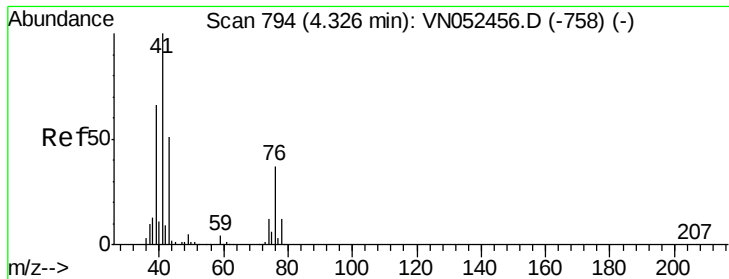
Tgt Ion: 76 Resp: 556473

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9





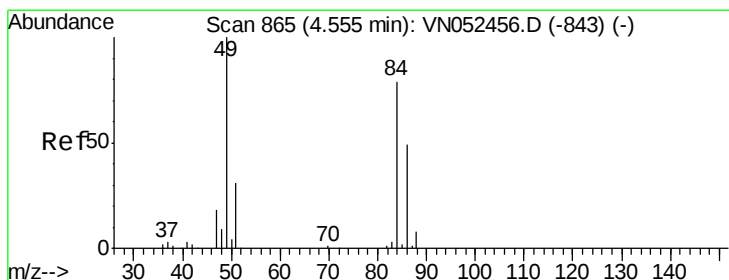
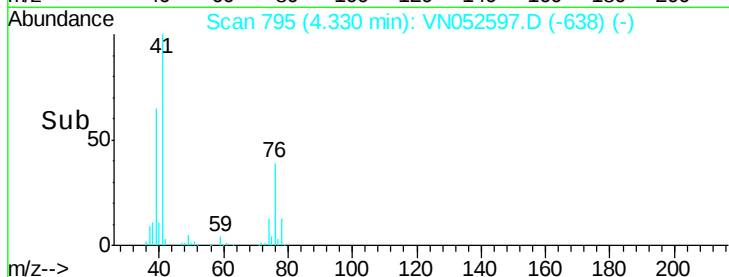
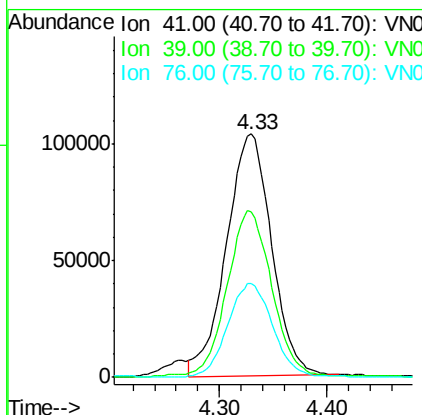
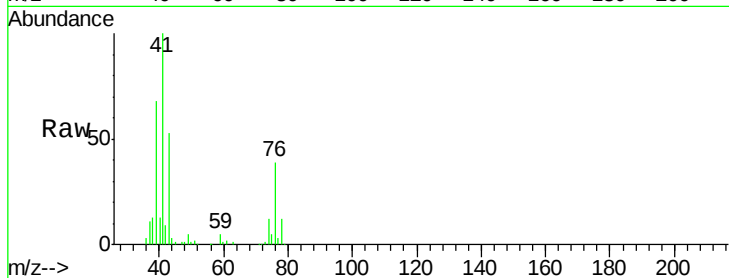
#17
 Allyl chloride
 Concen: 18.478 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.3	32.8	98.3
76	38.6	18.6	55.8

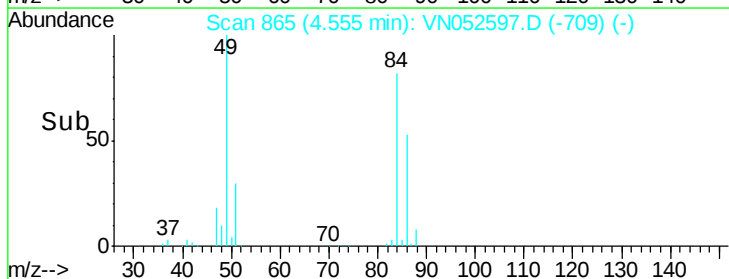
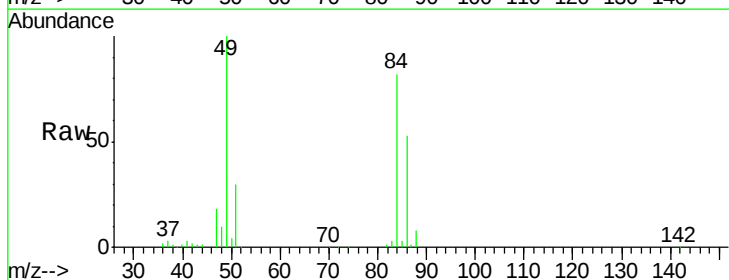
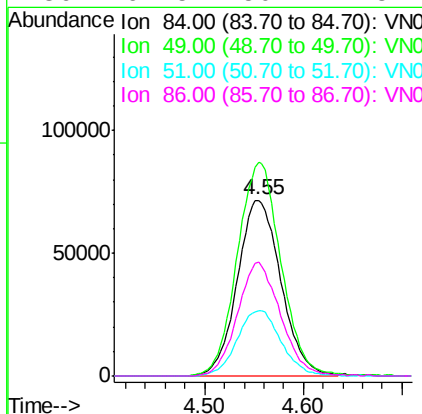
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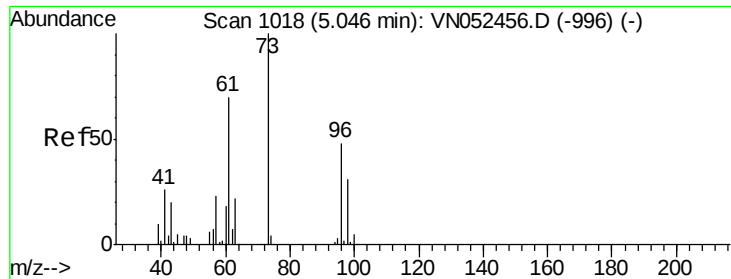
MMDadoda
 12/3/2018 10:49:23 AM



#18
 Methylene Chloride
 Concen: 20.287 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.1	101.4	152.0
51	37.0	31.7	47.5
86	64.5	50.1	75.1





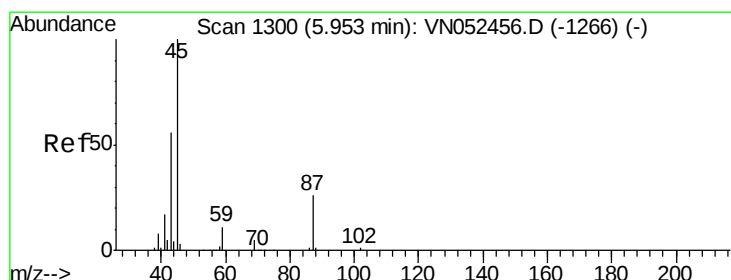
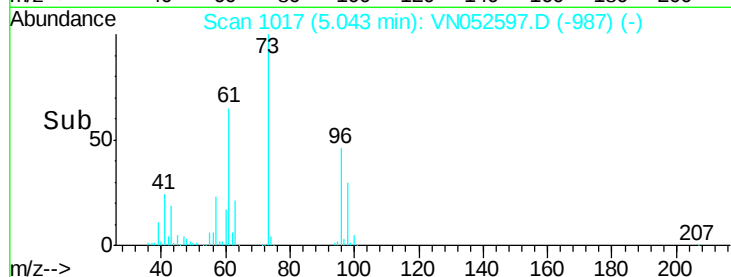
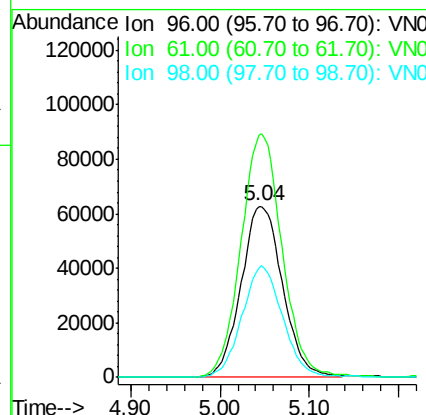
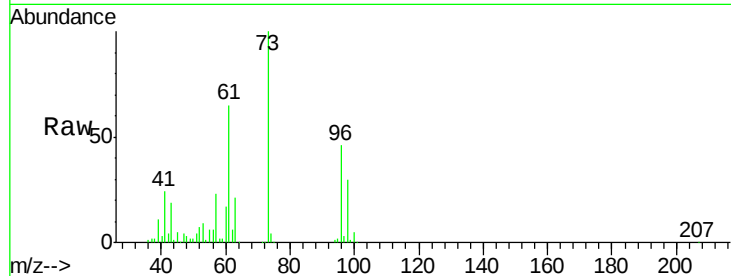
#19
trans-1,2-Dichloroethene
Concen: 20.276 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.5	118.2	177.4
98	64.1	51.4	77.2

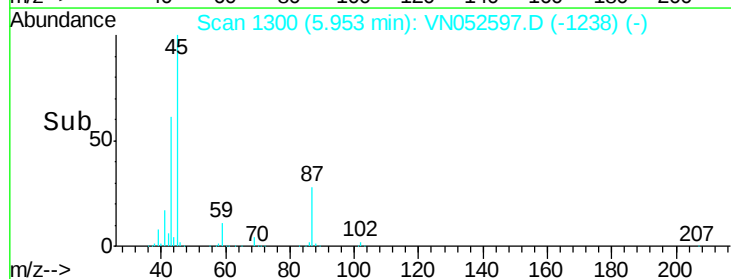
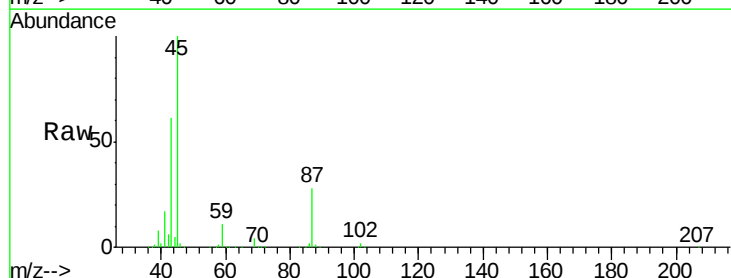
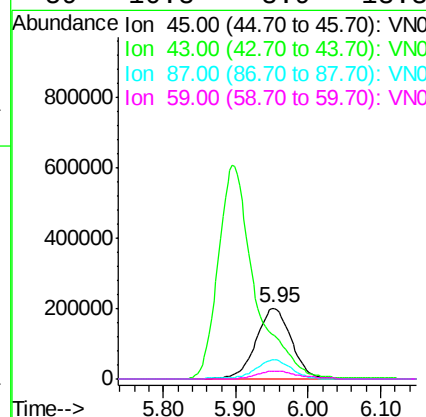
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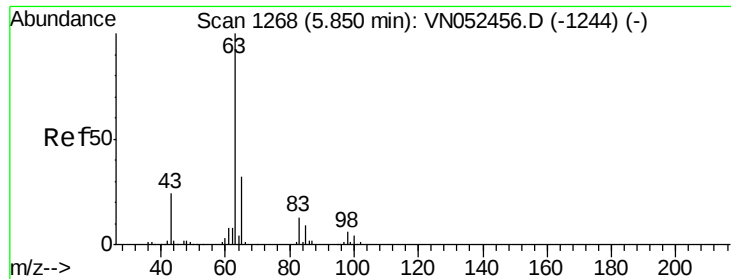
MMDadoda
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#20
Diisopropyl ether
Concen: 19.961 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	47.8	71.8
87	27.3	21.3	31.9
59	10.8	8.9	13.3





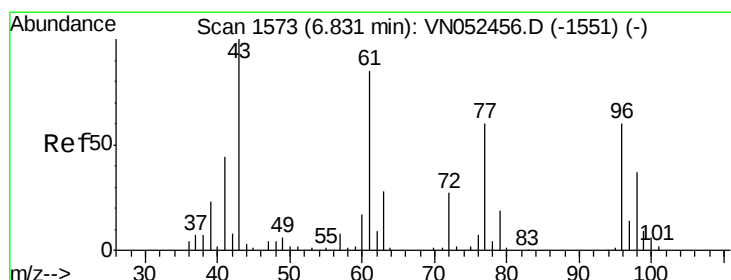
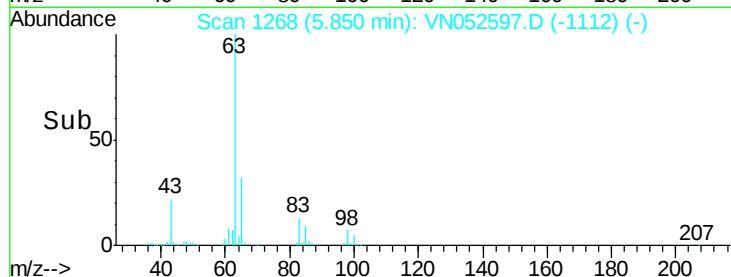
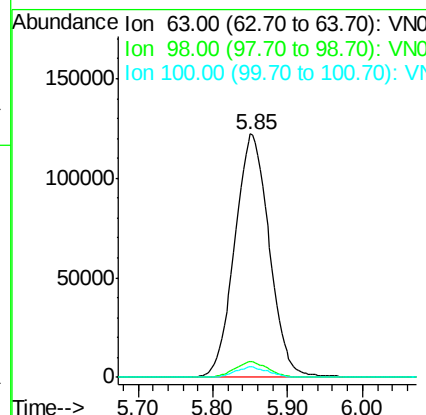
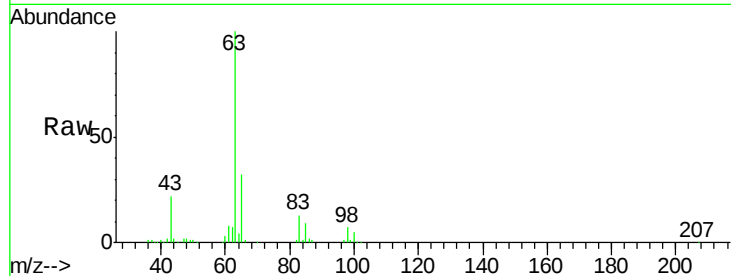
#21
1,1-Dichloroethane
Concen: 20.133 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	6.7	3.0	9.2
100	4.6	1.8	5.5

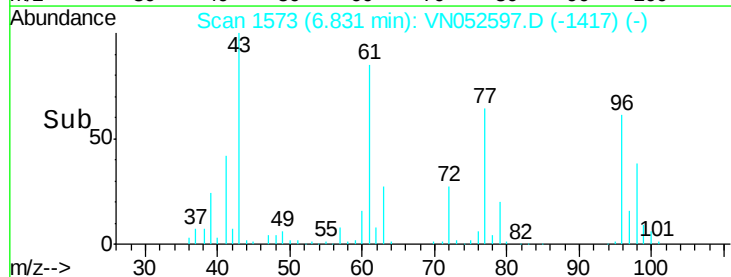
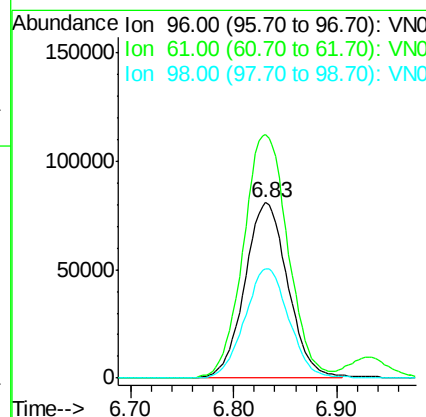
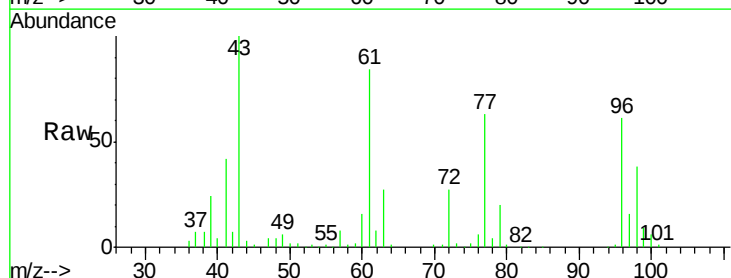
Manual Integrations
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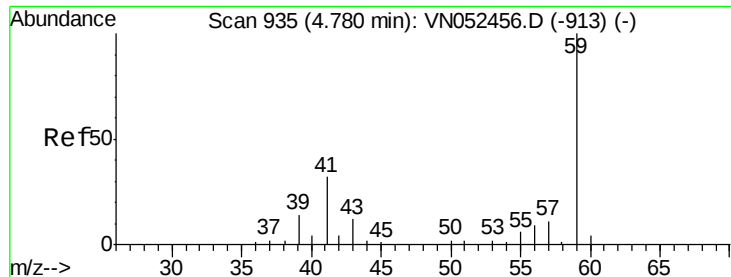
MMDadoda
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#22
cis-1,2-Dichloroethene
Concen: 20.404 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	143.8	116.7	175.1
98	64.1	50.8	76.2





#23

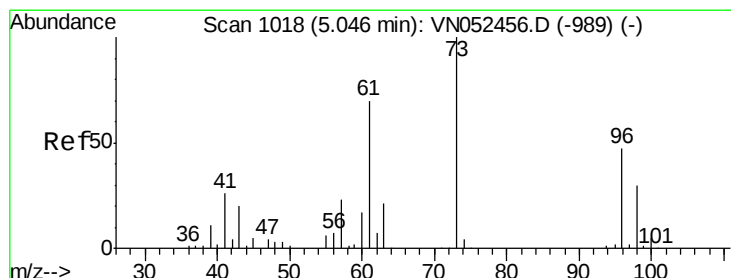
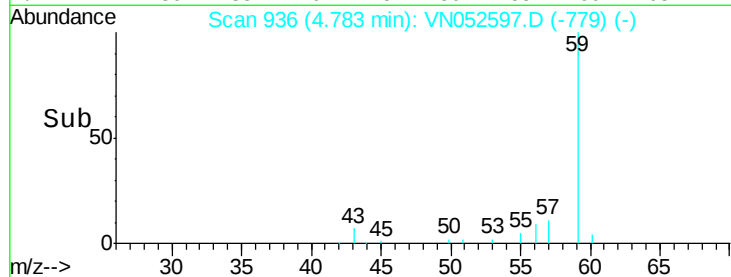
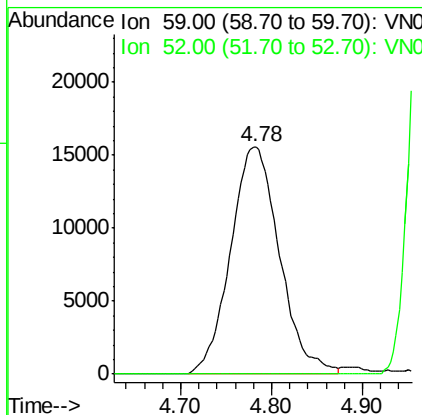
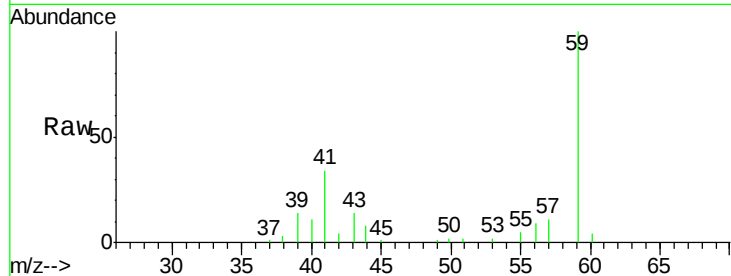
tert-Butyl Alcohol
 Concen: 115.990 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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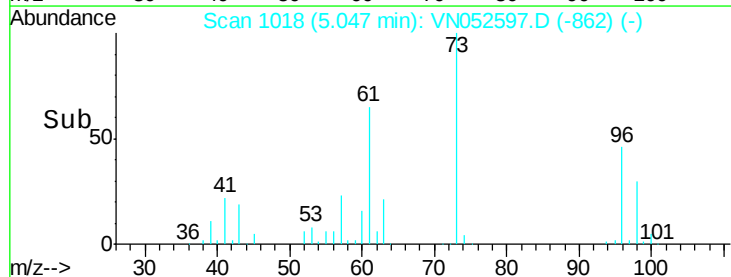
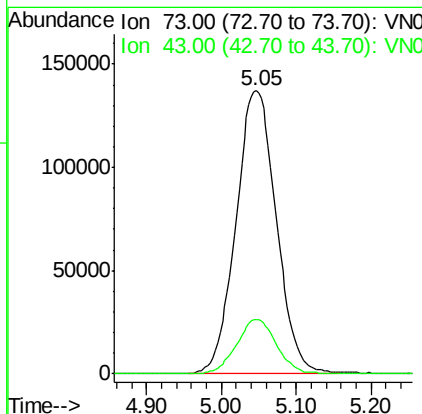
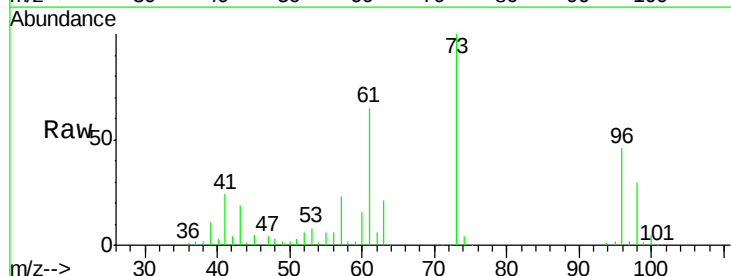
MMDadoda
 12/3/2018 10:49:23 AM

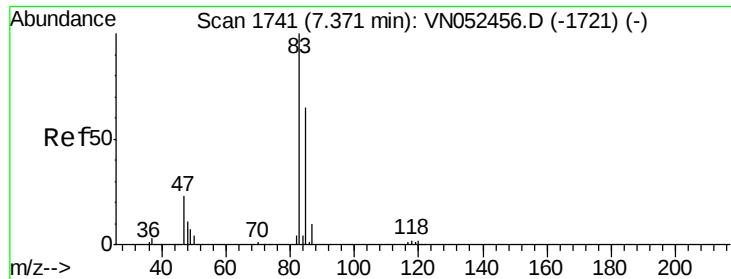


#24

Methyl tert-Butyl Ether
 Concen: 21.040 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.6	15.8	23.8





#25

Chloroform

Concen: 20.157 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS01

Tgt Ion: 83 Resp: 378821

Ion Ratio Lower Upper

83 100

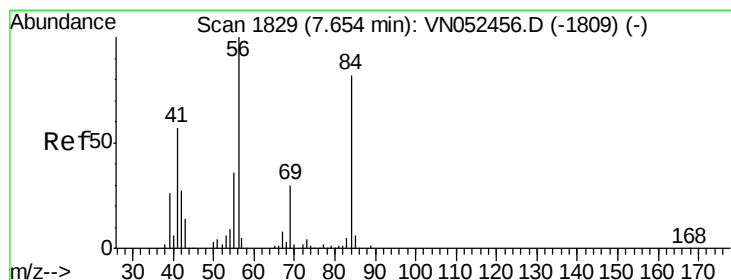
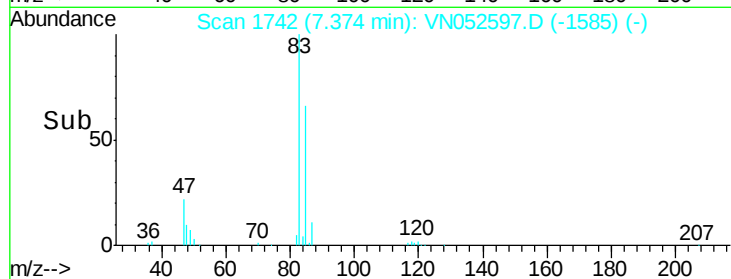
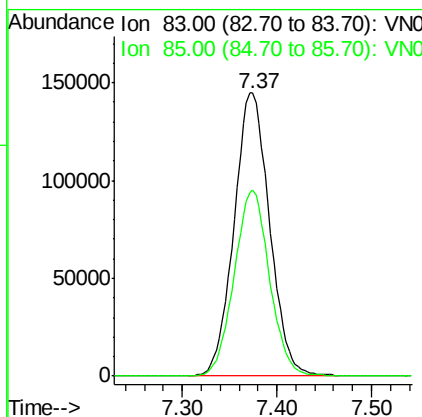
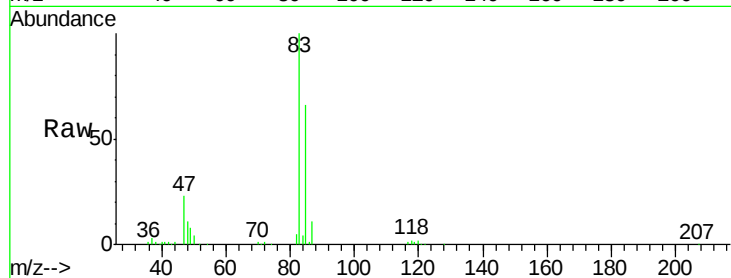
85 65.4 51.7 77.5

Manual Integrations

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#26

Cyclohexane

Concen: 19.154 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

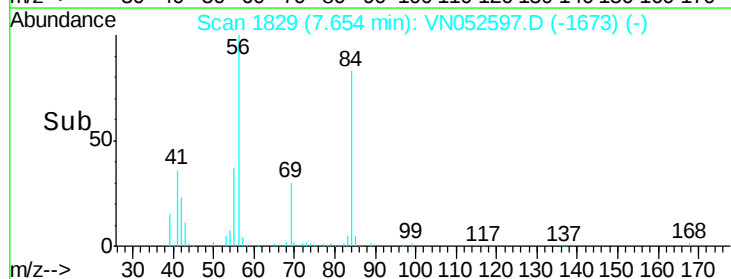
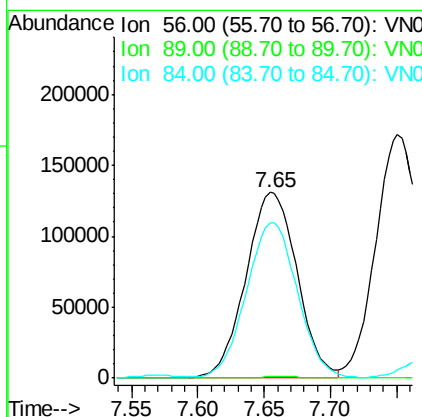
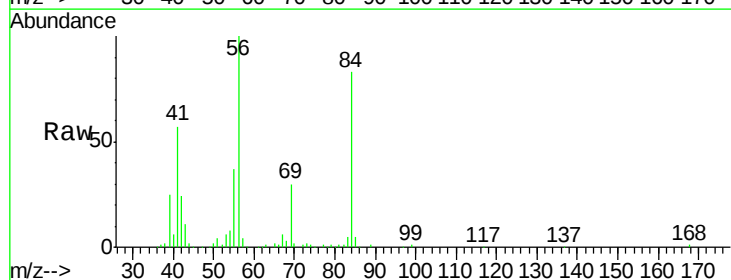
Tgt Ion: 56 Resp: 351924

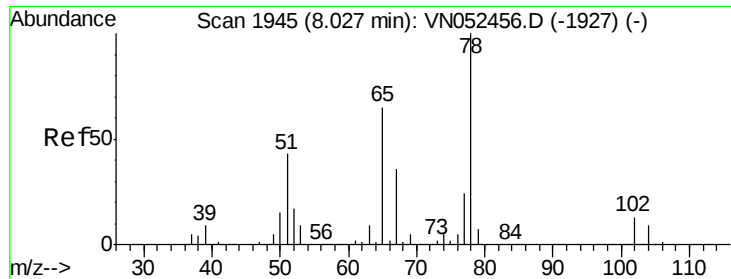
Ion Ratio Lower Upper

56 100

89 0.7 0.5 0.7

84 82.7 66.2 99.2





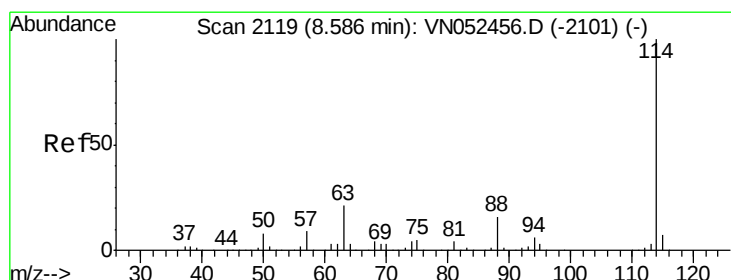
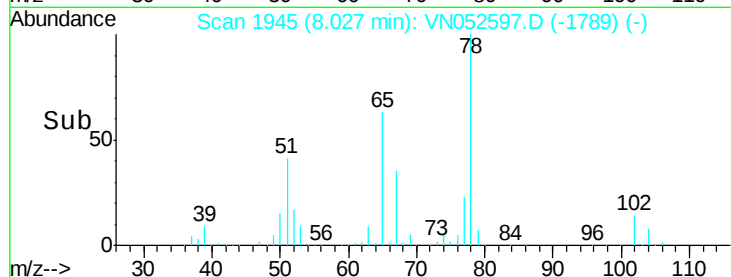
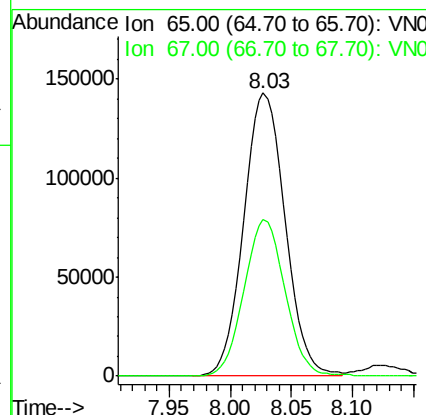
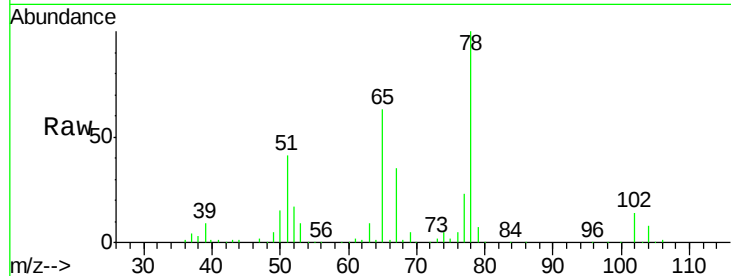
#27
 1,2-Dichloroethane-d4
 Concen: 19.154 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion: 65 Resp: 336174
 Ion Ratio Lower Upper
 65 100
 67 54.7 44.6 66.8

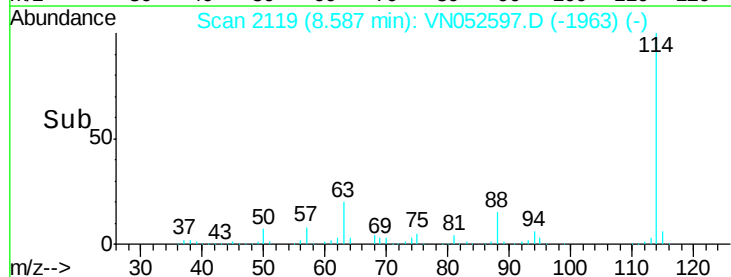
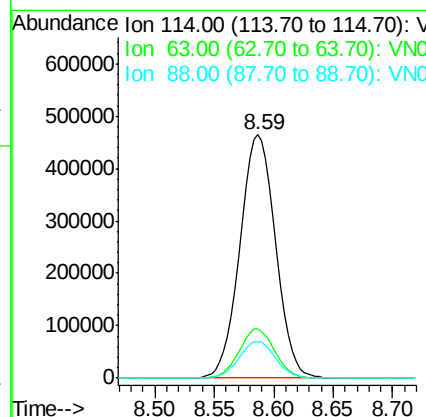
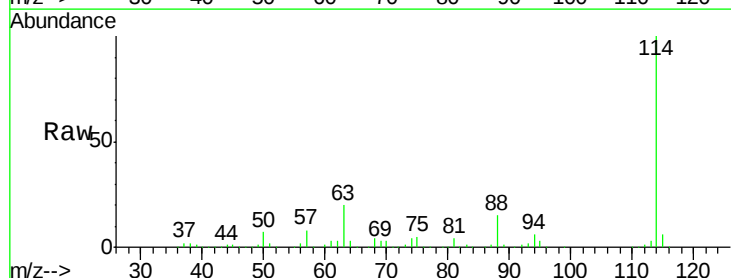
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion: 114 Resp: 965368
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.9 25.3
 88 15.3 12.8 19.2





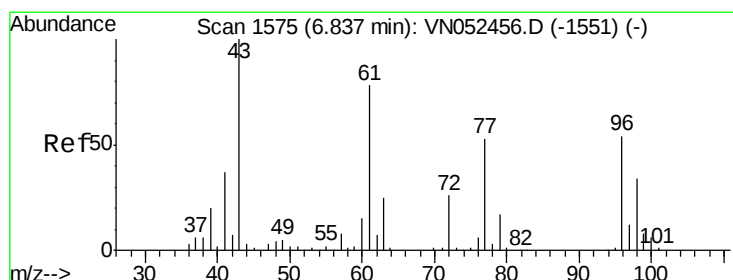
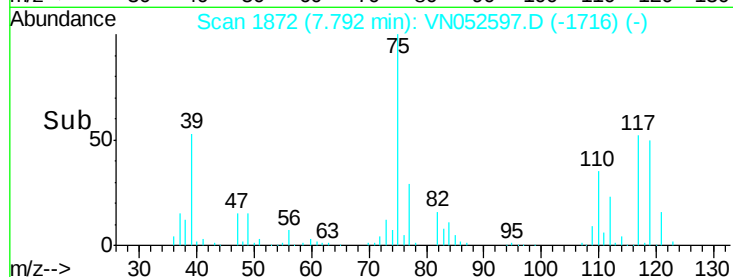
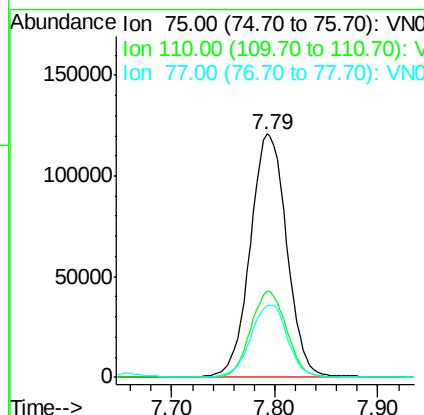
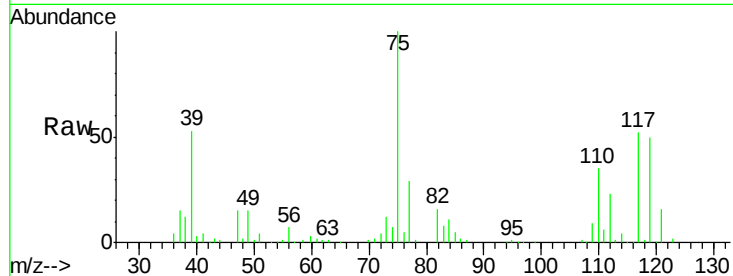
#29
 1,1-Dichloropropene
 Concen: 20.141 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	34.8	0.0	70.2
77	30.2	0.0	62.6

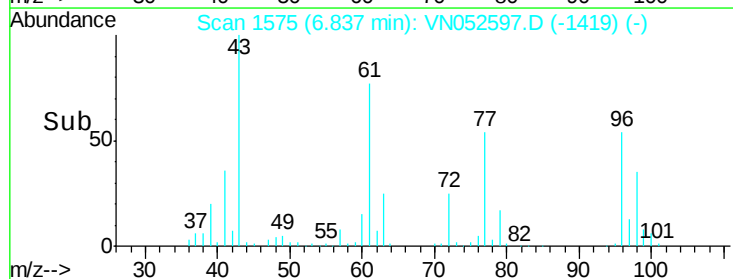
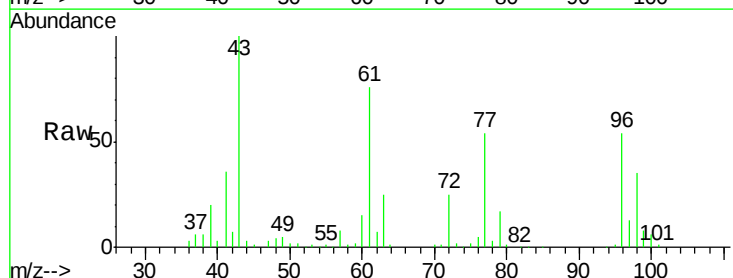
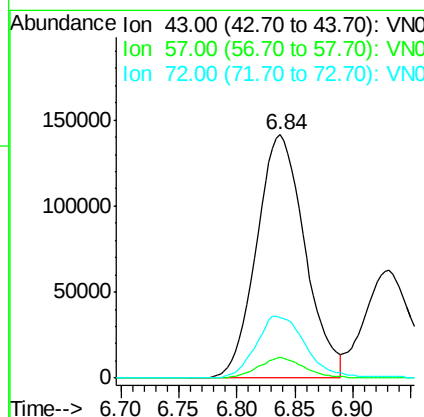
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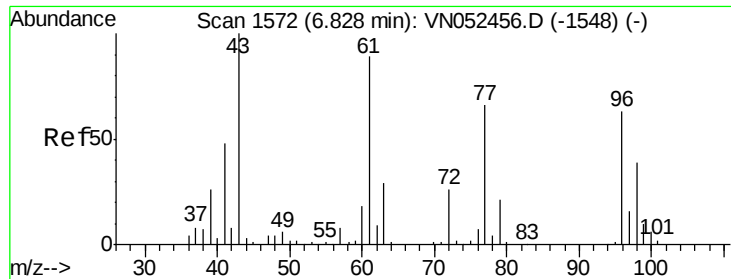
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#30
 2-Butanone
 Concen: 103.426 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.2	6.2	9.4
72	26.0	21.0	31.6





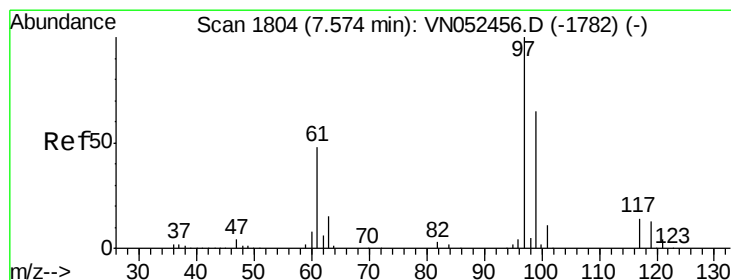
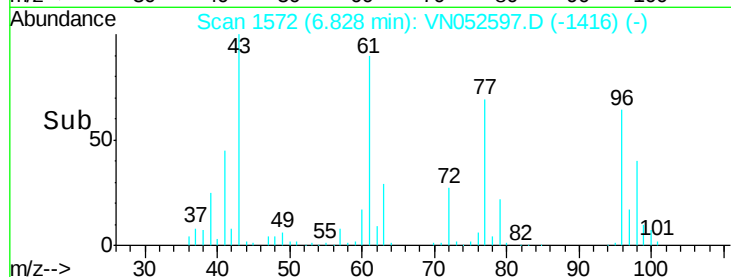
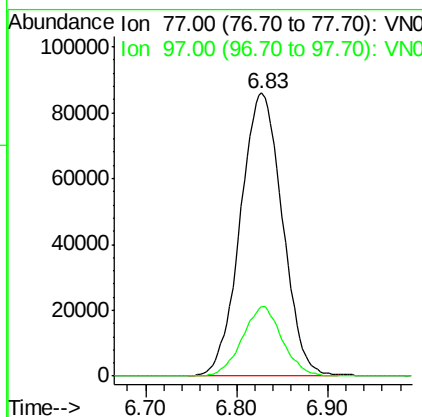
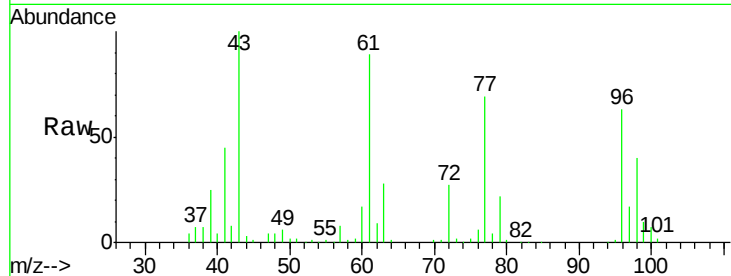
#31
 2,2-Dichloropropane
 Concen: 20.311 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion: 77 Resp: 275663
 Ion Ratio Lower Upper
 77 100
 97 23.4 18.7 28.1

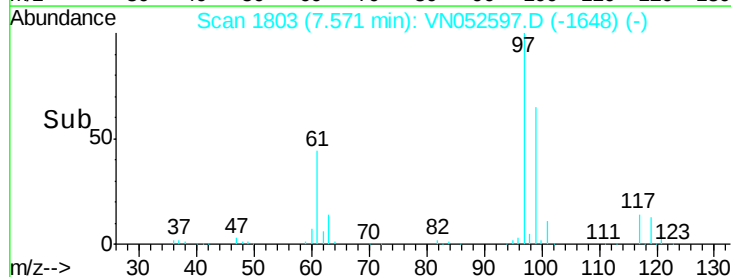
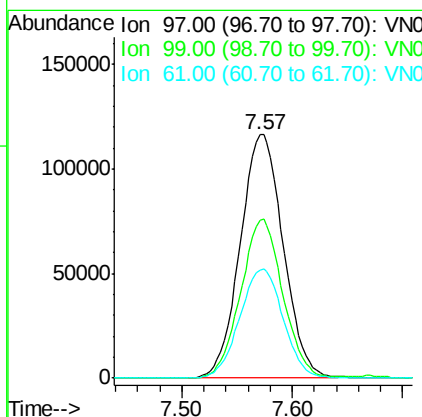
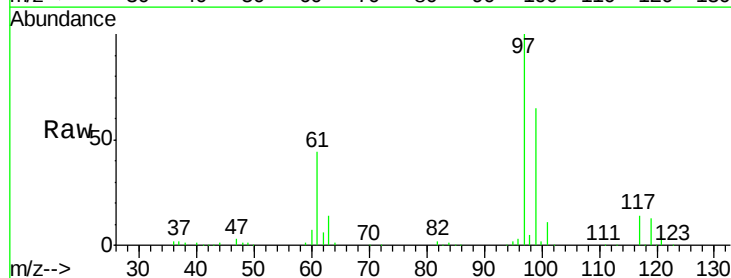
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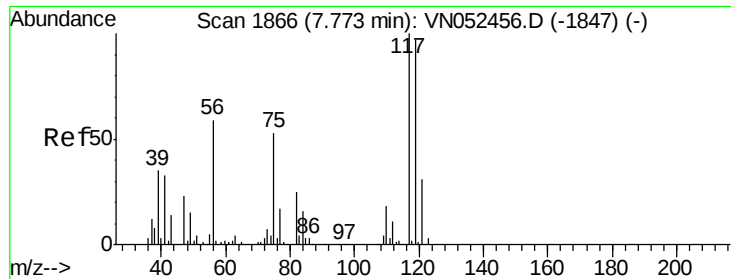
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 12/3/2018 10:49:23 AM



#32
 1,1,1-Trichloroethane
 Concen: 20.519 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion: 97 Resp: 314752
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.9 76.3
 61 45.1 38.1 57.1





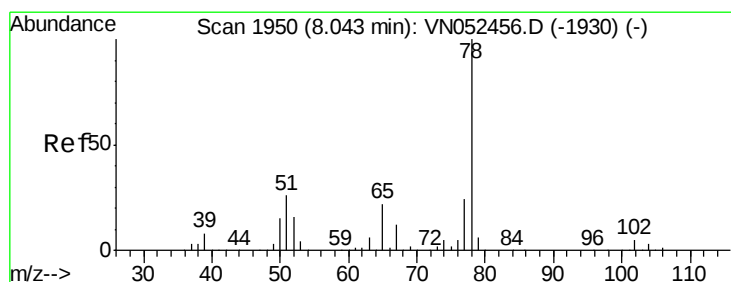
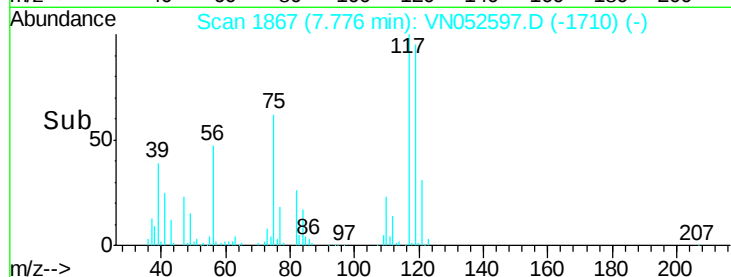
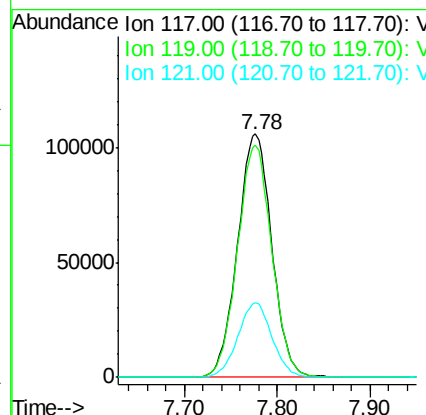
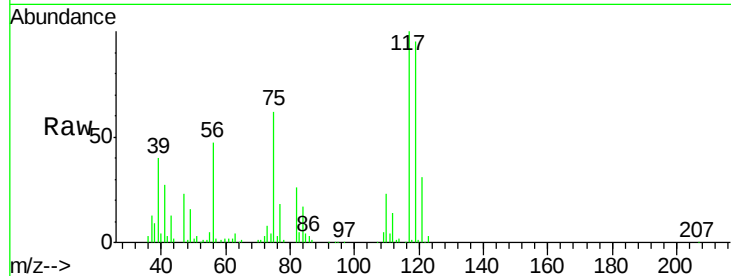
#33
Carbon Tetrachloride
Concen: 20.183 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampled :
VN1130WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	270898		
119	95.2	77.3	115.9	
121	30.7	24.9	37.3	

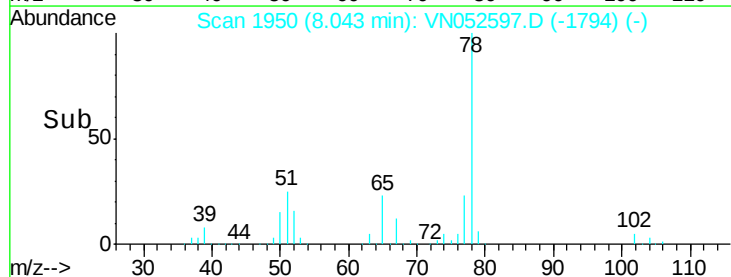
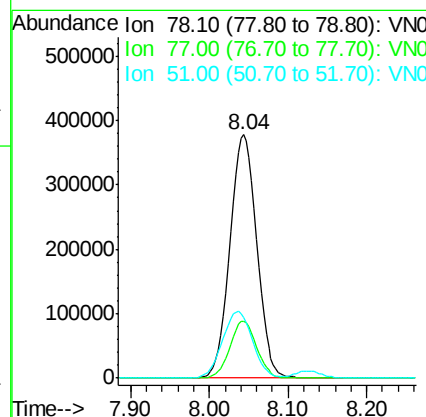
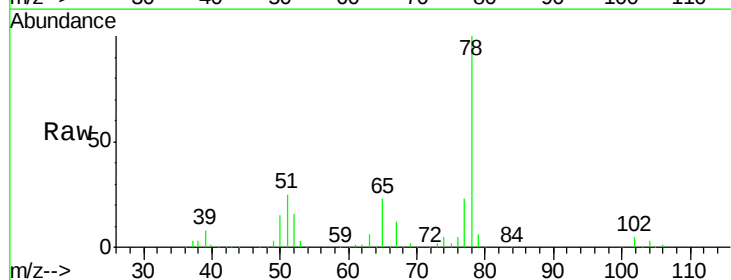
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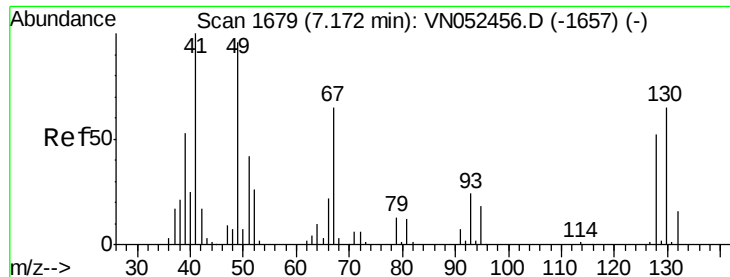
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#34
Benzene
Concen: 20.134 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	892401		
77	23.1	19.0	28.6	
51	24.6	20.5	30.7	





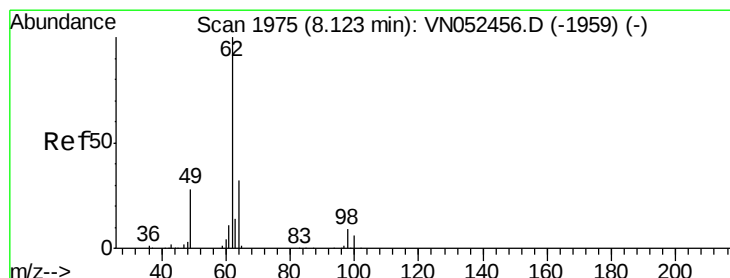
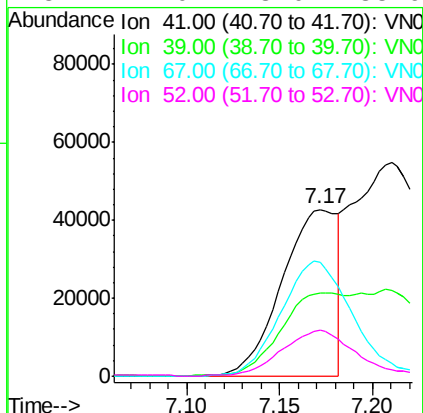
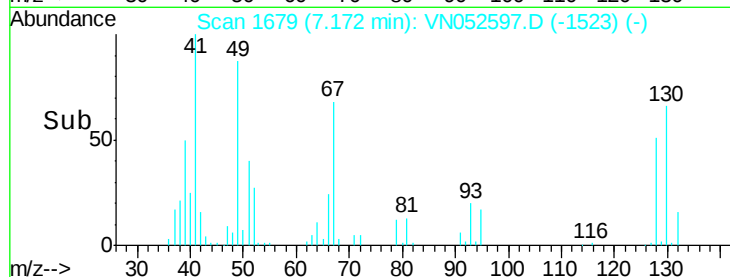
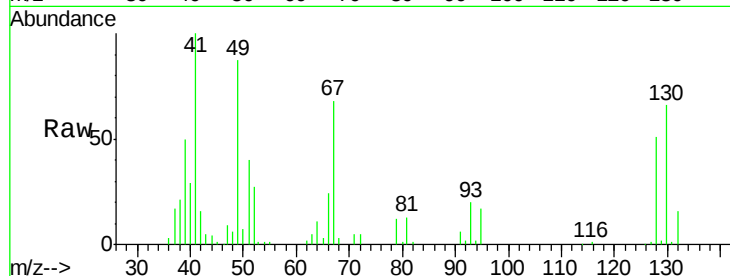
#35
Methacrylonitrile
Concen: 18.217 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampled :
VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	49.4	26.6	79.7
67	68.4	32.3	96.9
52	27.0	13.0	38.9

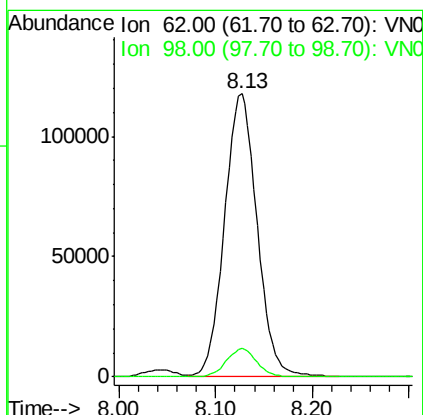
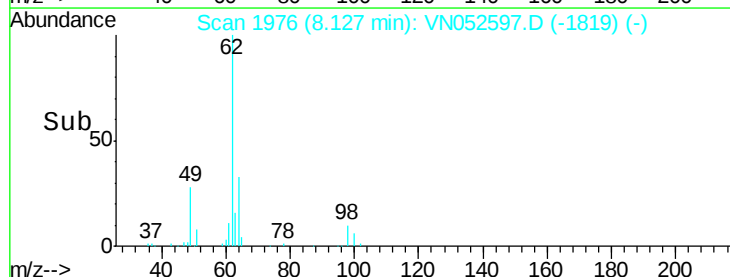
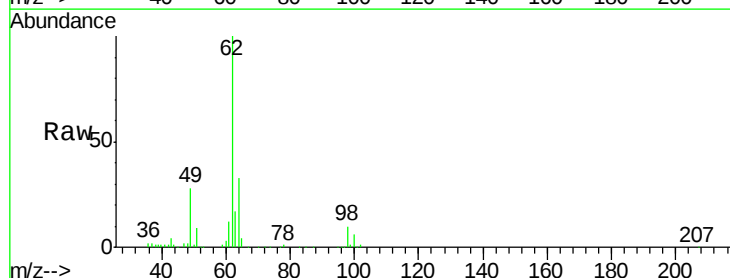
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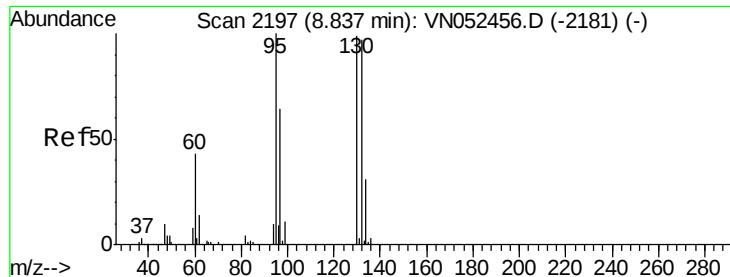
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#36
1,2-Dichloroethane
Concen: 20.479 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.4	11.2





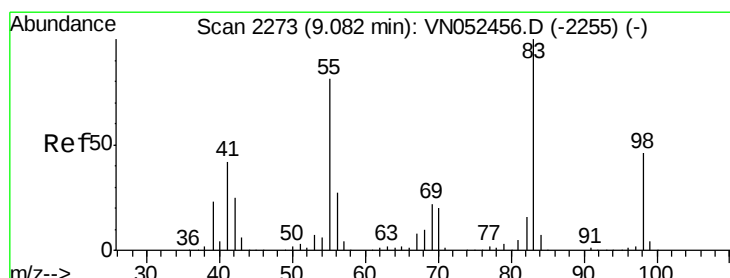
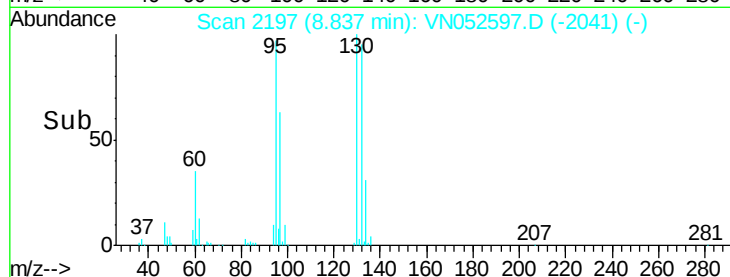
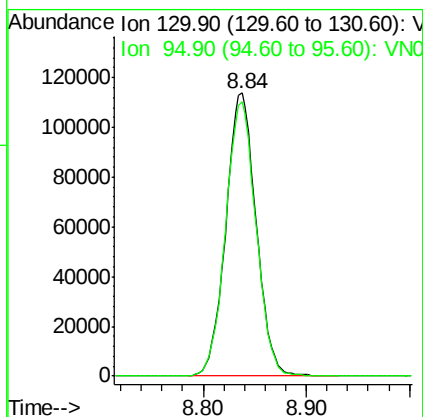
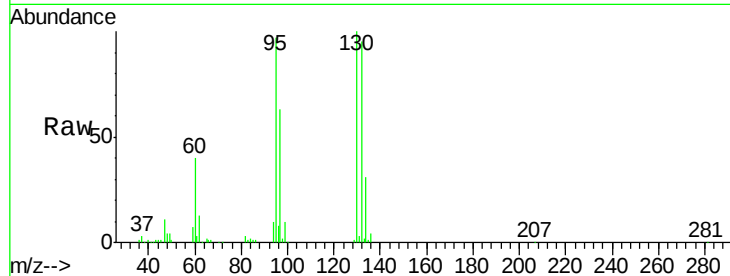
#37
 Trichloroethene
 Concen: 20.670 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion: 130 Resp: 232317
 Ion Ratio Lower Upper
 130 100
 95 97.1 81.0 121.4

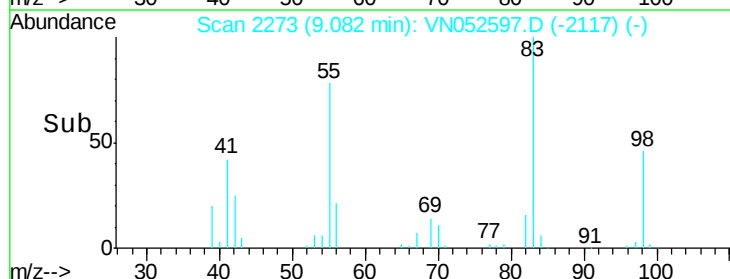
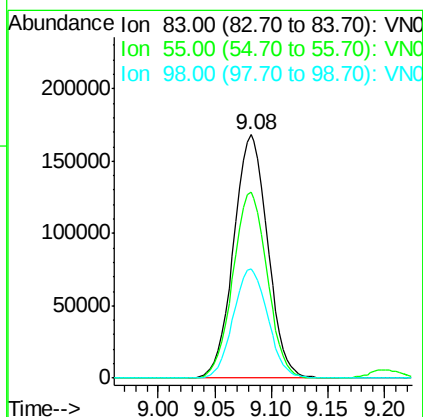
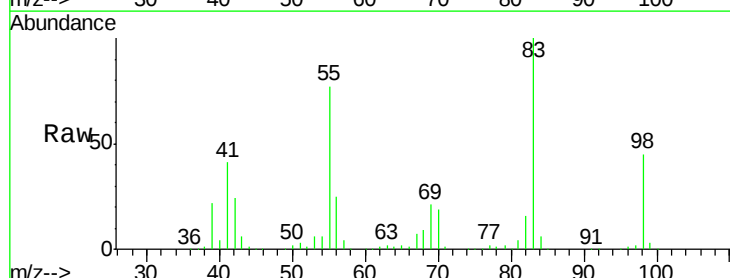
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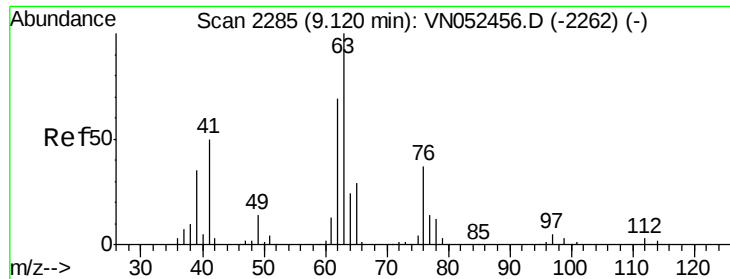
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 12/3/2018 10:49:23 AM



#38
 Methylcyclohexane
 Concen: 19.318 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion: 83 Resp: 352543
 Ion Ratio Lower Upper
 83 100
 55 77.1 39.8 119.4
 98 45.5 22.9 68.5





#39

1,2-Dichloropropane

Concen: 19.697 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampled :

VN1130WBS01

Tgt Ion: 63 Resp: 234024

Ion Ratio Lower Upper

63 100

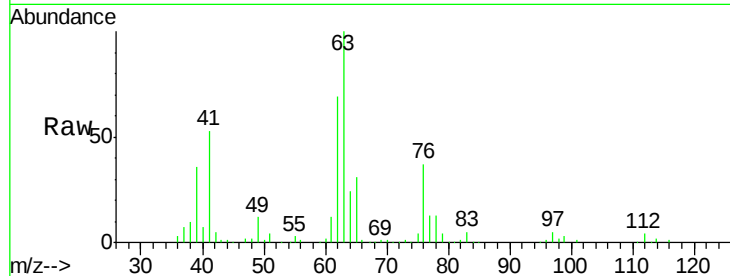
65 31.1 23.6 35.4

Manual Integrations

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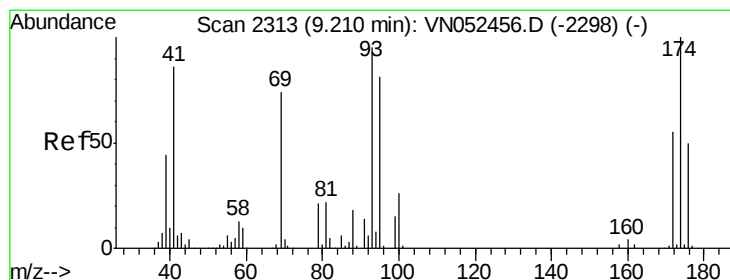
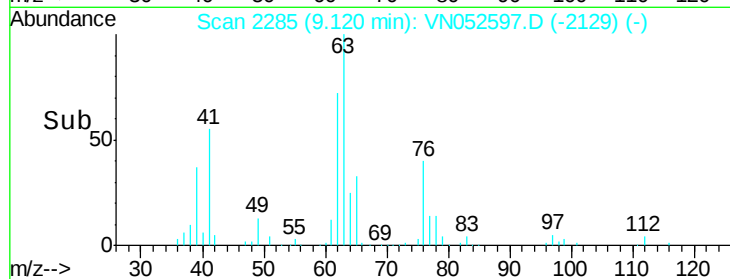
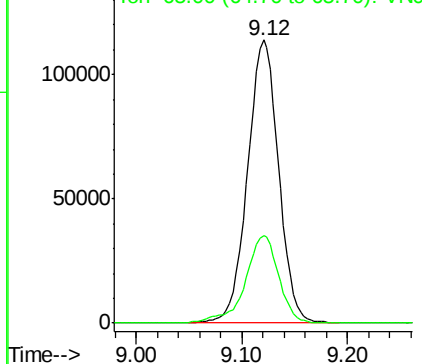
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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.767 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

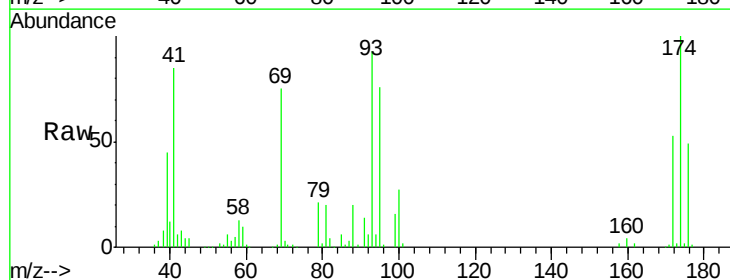
Tgt Ion: 93 Resp: 133331

Ion Ratio Lower Upper

93 100

95 82.7 0.0 168.4

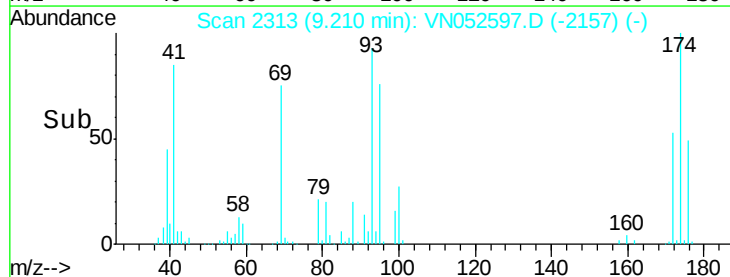
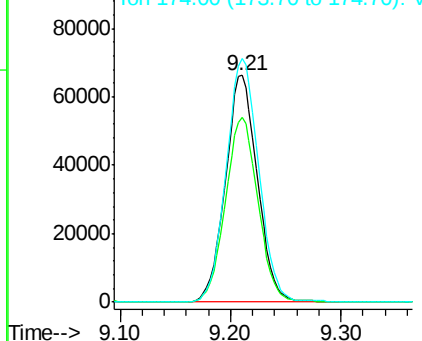
174 109.4 0.0 210.0

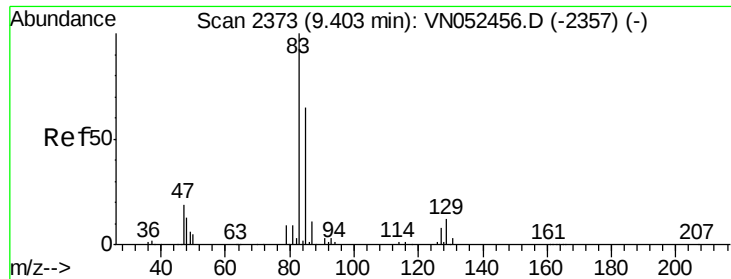


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





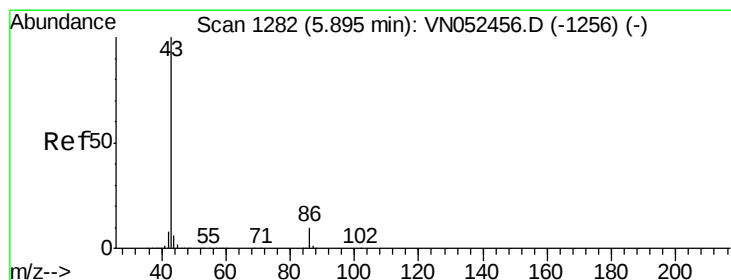
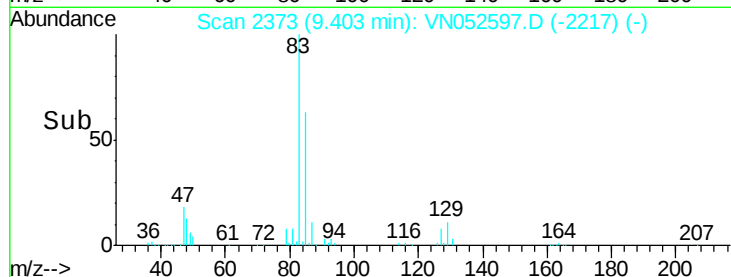
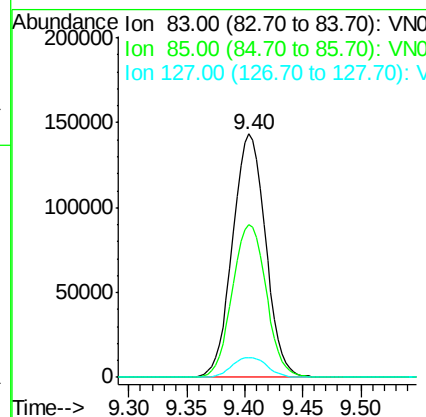
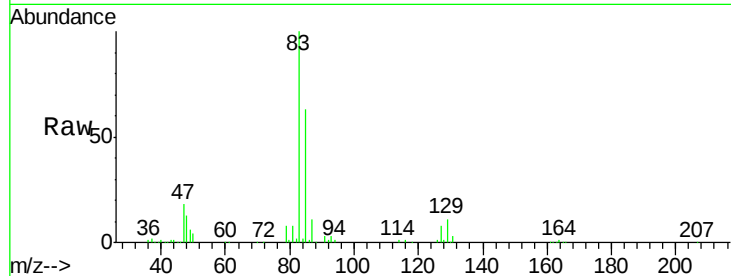
#41
Bromodichloromethane
Concen: 19.971 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.4	78.6
127	8.3	6.6	9.8

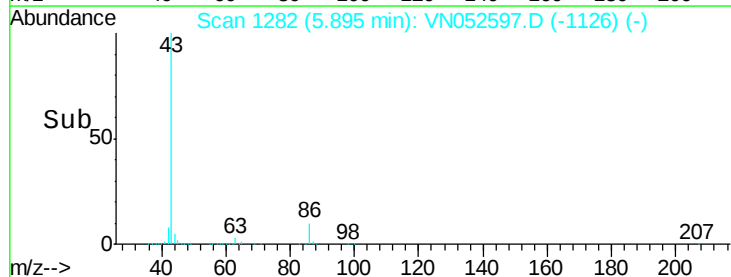
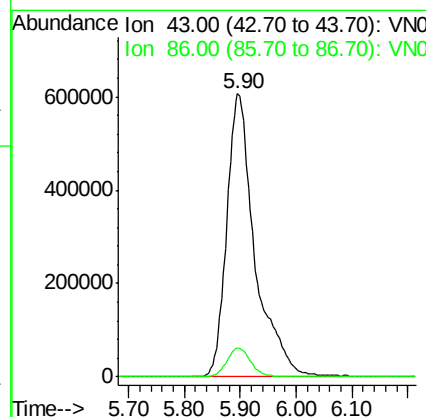
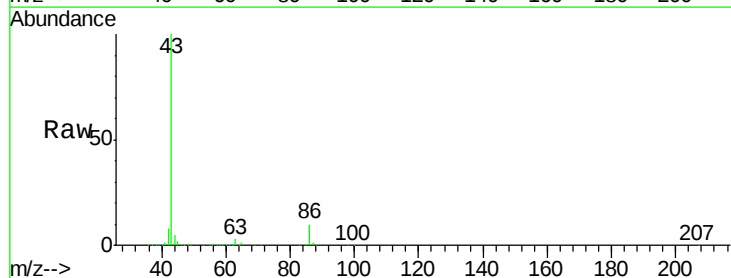
Manual Integrations
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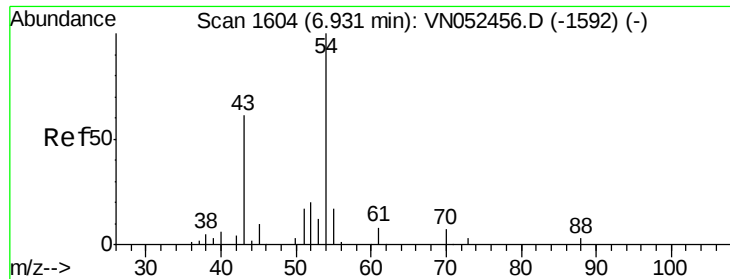
MMDadoda
12/3/2018 10:49:23 AM



#42
Vinyl Acetate
Concen: 99.730 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.5	9.7





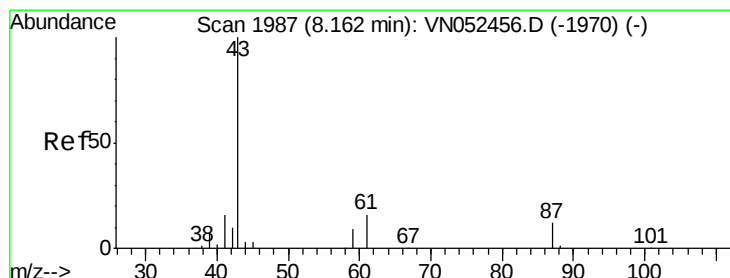
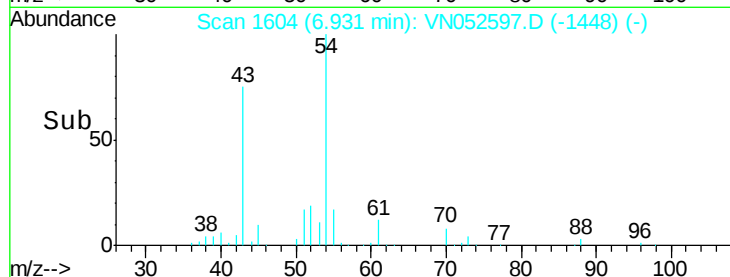
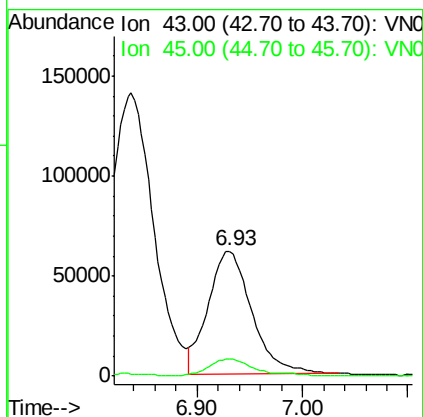
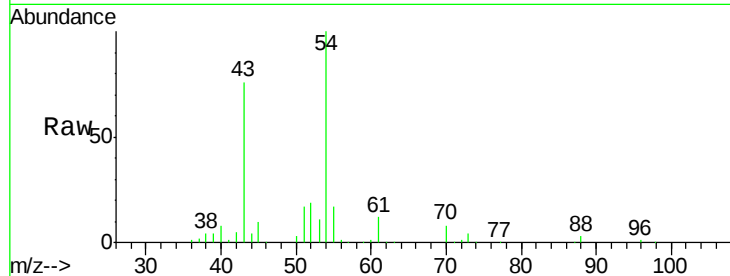
#43
Ethyl Acetate
Concen: 20.909 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion: 43 Resp: 175386
Ion Ratio Lower Upper
43 100
45 12.9 1.0 1.6#

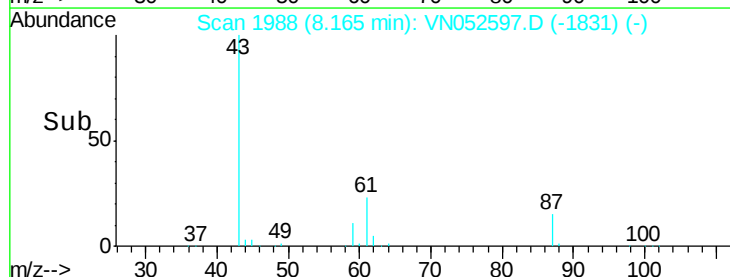
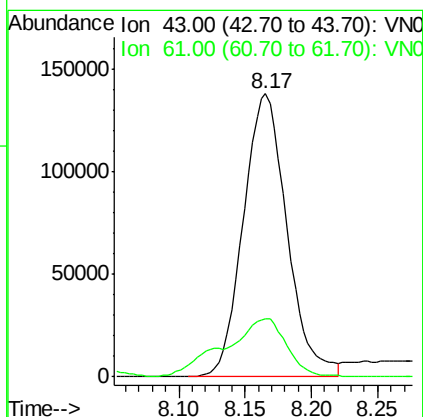
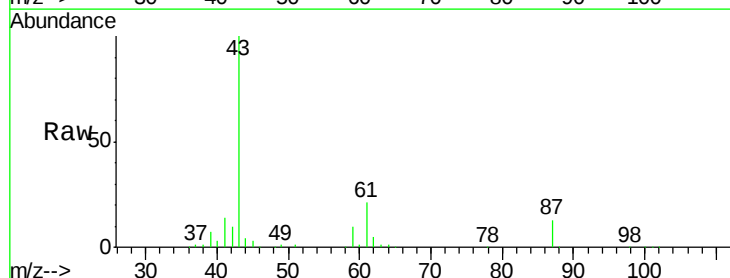
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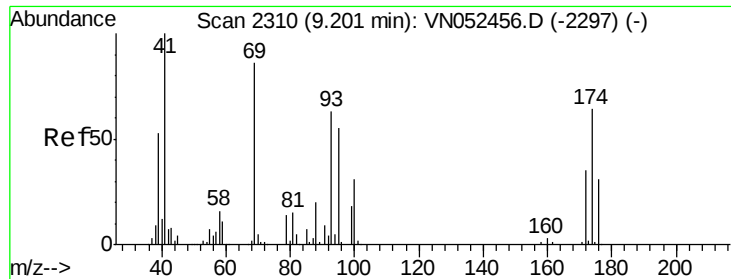
MMDadoda
12/3/2018 10:49:23 AM



#44
Isopropyl Acetate
Concen: 21.395 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion: 43 Resp: 314747
Ion Ratio Lower Upper
43 100
61 19.2 16.0 24.0





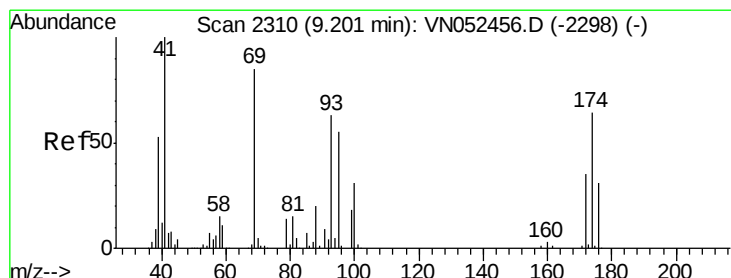
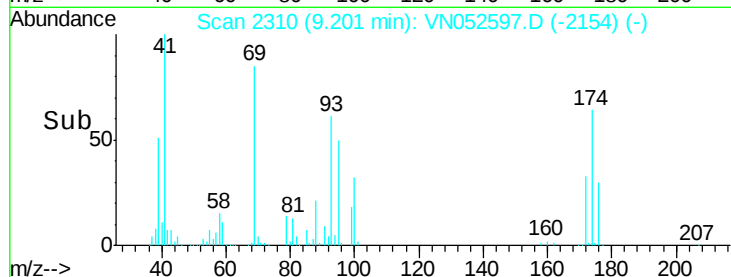
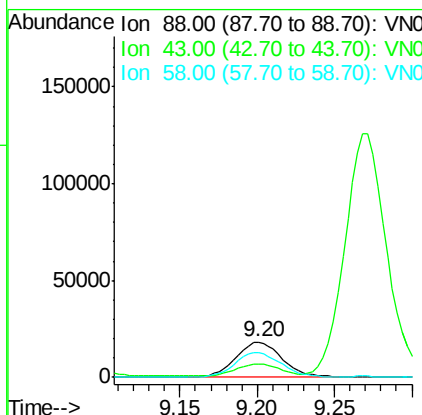
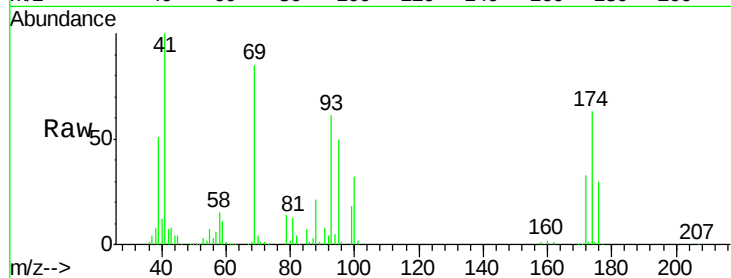
#45
 1,4-Dioxane
 Concen: 471.699 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion: 88 Resp: 37962
 Ion Ratio Lower Upper
 88 100
 43 34.0 29.5 44.3
 58 72.1 61.5 92.3

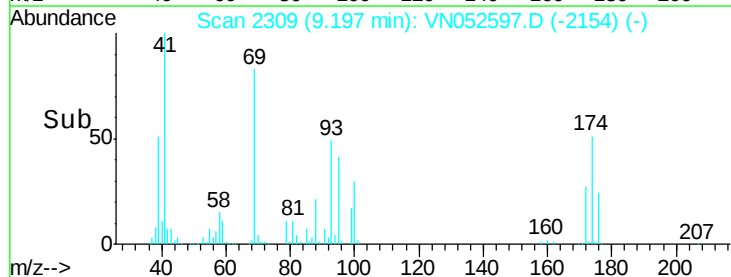
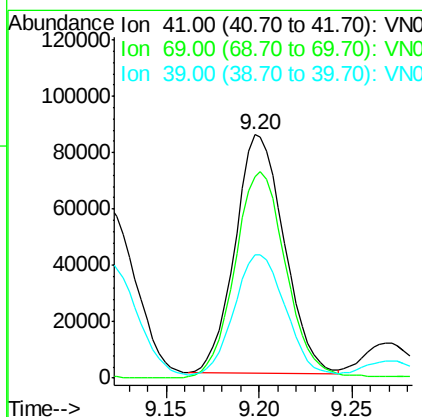
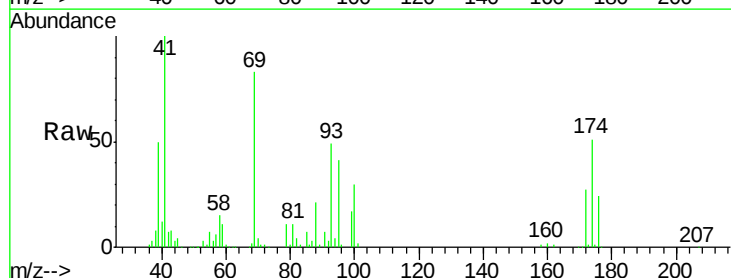
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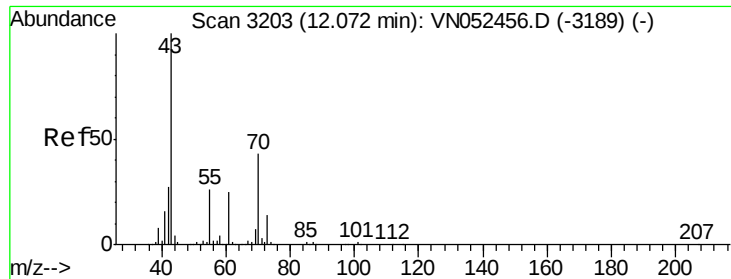
MMDadoda
 12/3/2018 10:49:23 AM



#46
 Methyl methacrylate
 Concen: 20.492 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion: 41 Resp: 156524
 Ion Ratio Lower Upper
 41 100
 69 84.1 42.5 127.6
 39 50.2 26.3 78.9





#47

n-amy1 Acetate

Concen: 19.954 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS01

Tgt Ion: 43 Resp: 243394

Ion Ratio Lower Upper

43 100

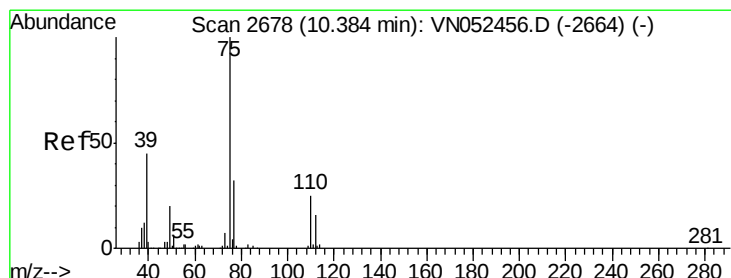
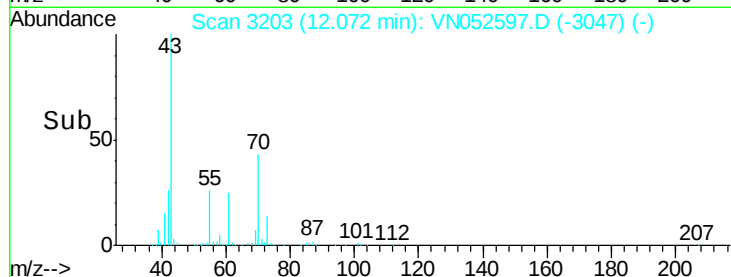
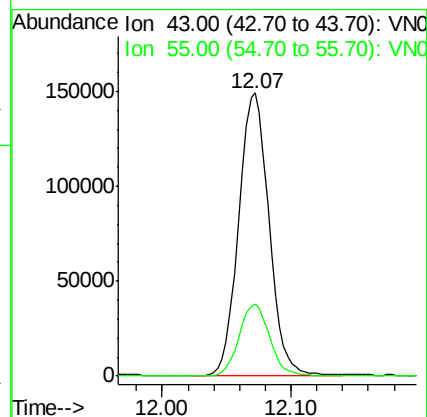
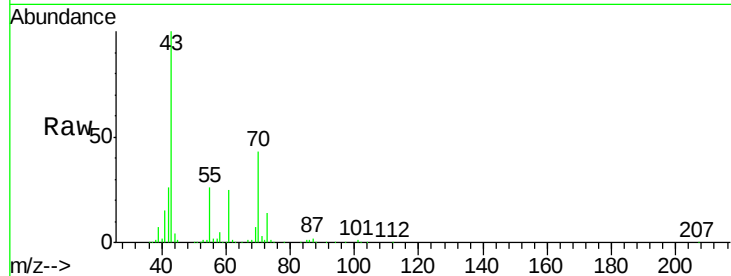
55 25.8 21.1 31.7

Manual Integrations

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MMDadoda

12/3/2018 10:49:23 AM



#48

t-1,3-Dichloropropene

Concen: 19.697 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052597.D

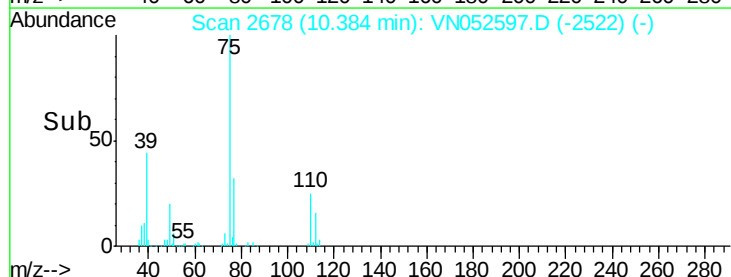
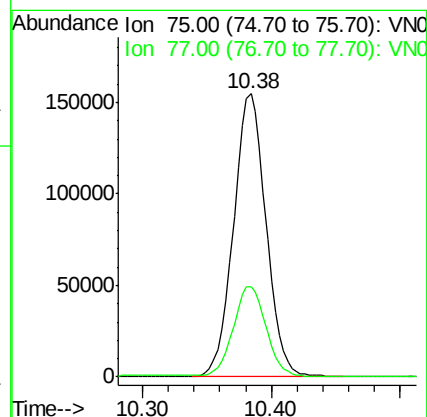
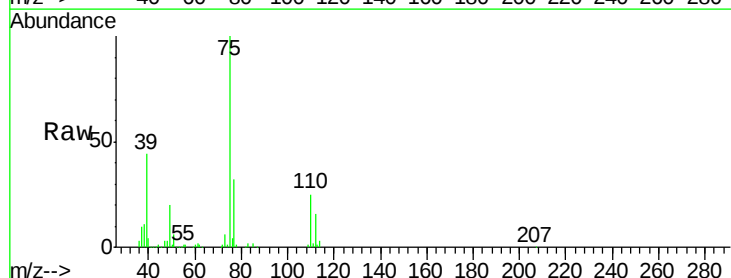
Acq: 30 Nov 2018 10:55

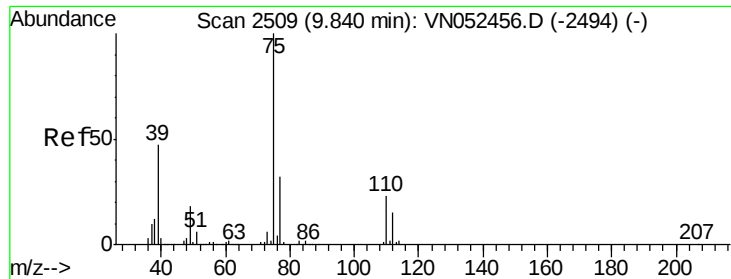
Tgt Ion: 75 Resp: 270910

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4





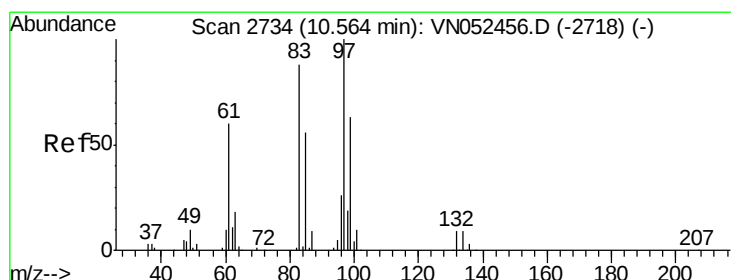
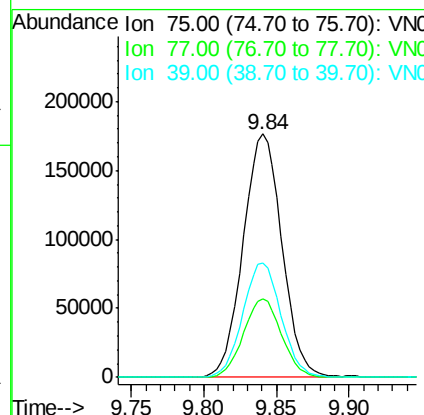
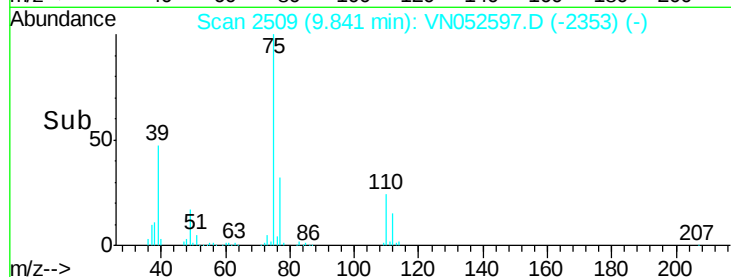
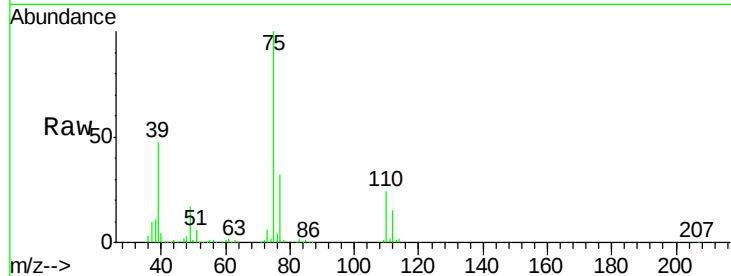
#49
 cis-1,3-Dichloropropene
 Concen: 19.606 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0
39	47.1	37.3	55.9

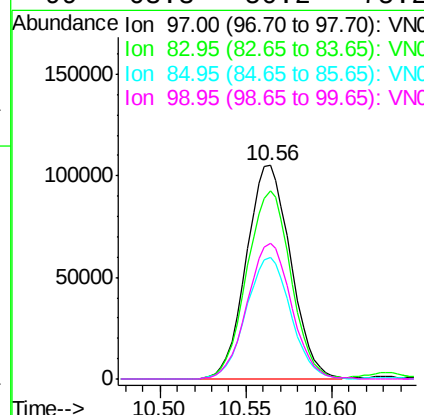
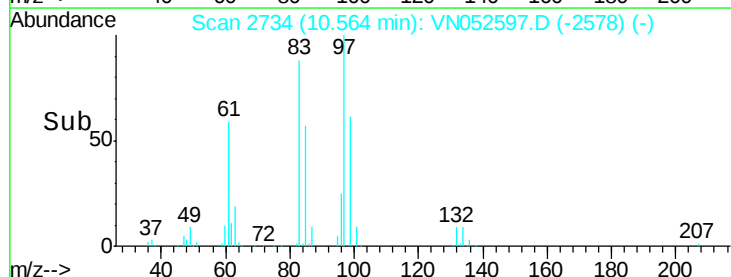
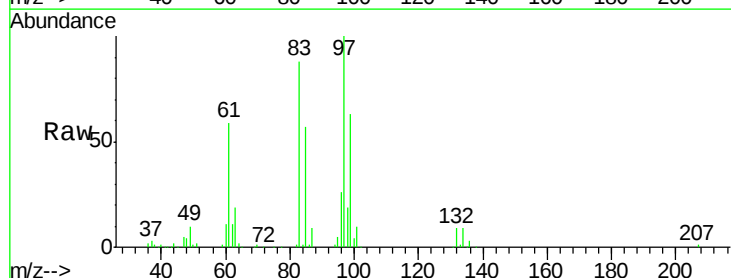
Manual Integrations
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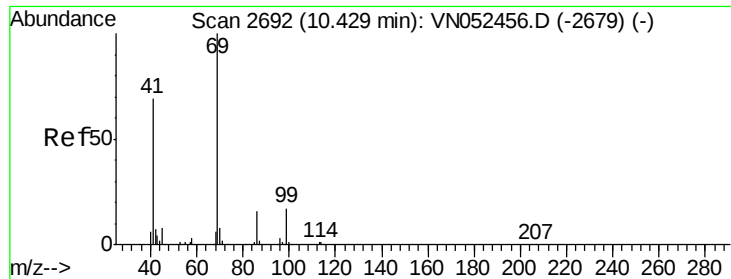
MMDadoda
 12/3/2018 10:49:23 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.721 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.4	105.6
85	57.2	45.0	67.6
99	63.3	50.2	75.2





#51

Ethyl methacrylate

Concen: 20.547 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

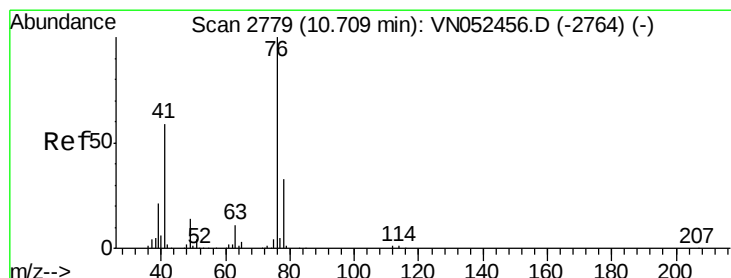
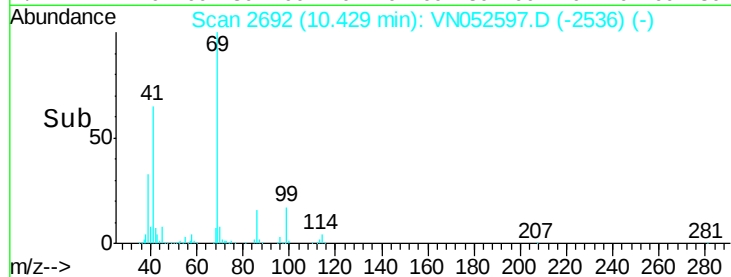
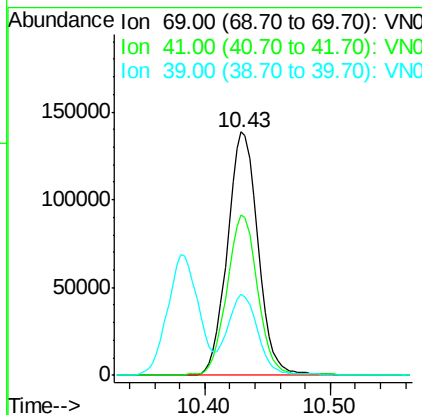
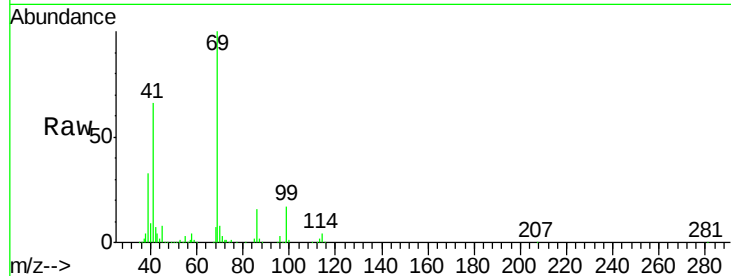
ClientSampled :

VN1130WBS01

Tgt Ion:	69	Resp:	234861
Ion Ratio	Lower	Upper	
69	100		
41	65.3	34.4	103.3
39	32.9	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.356 ug/l

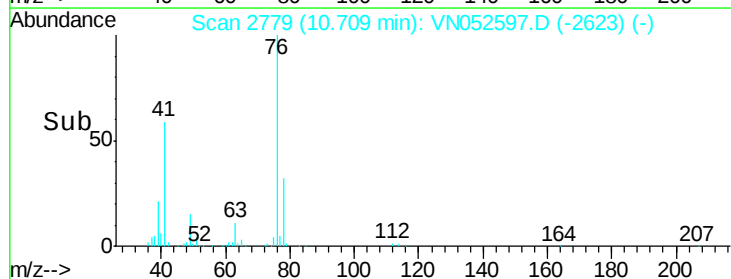
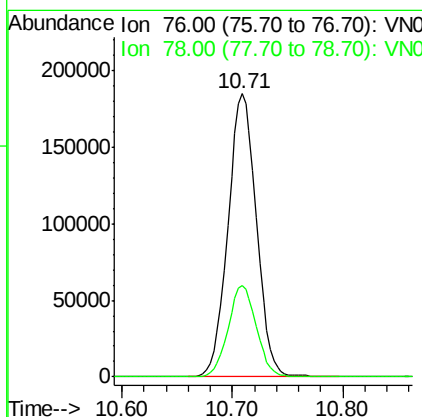
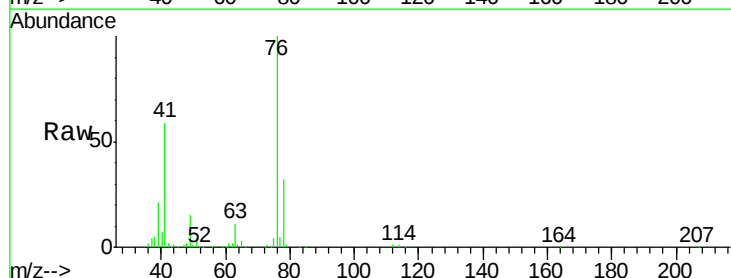
RT: 10.71 min Scan# 2779

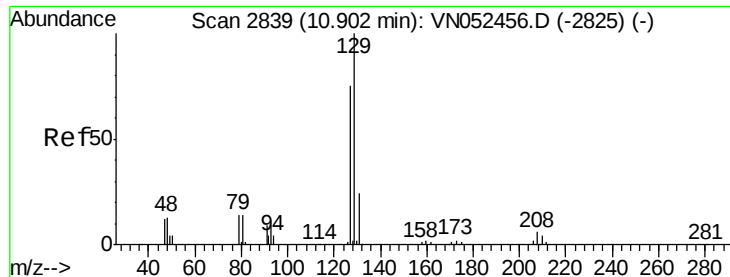
Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Tgt Ion:	76	Resp:	329748
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	64.8





#53

Dibromochloromethane

Concen: 20.354 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS01

Tgt Ion:129 Resp: 203947

Ion Ratio Lower Upper

129 100

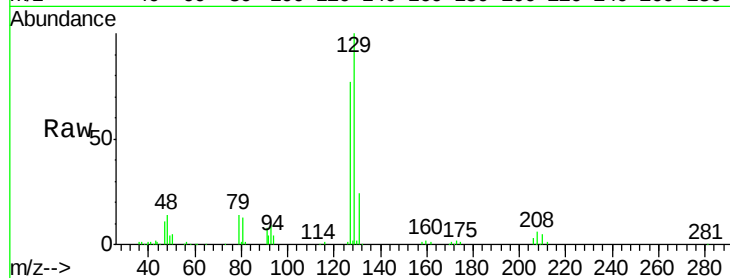
127 76.7 37.6 112.8

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

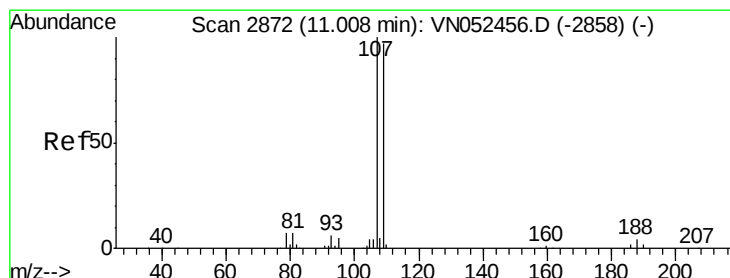
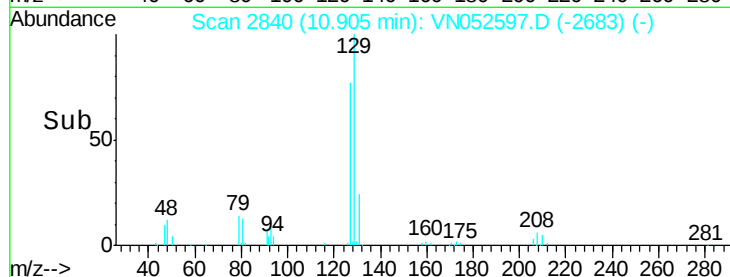
40000

20000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 21.045 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052597.D

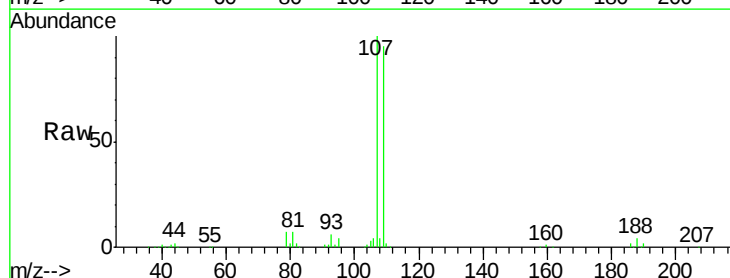
Acq: 30 Nov 2018 10:55

Tgt Ion:107 Resp: 187161

Ion Ratio Lower Upper

107 100

109 94.1 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

120000

100000

80000

60000

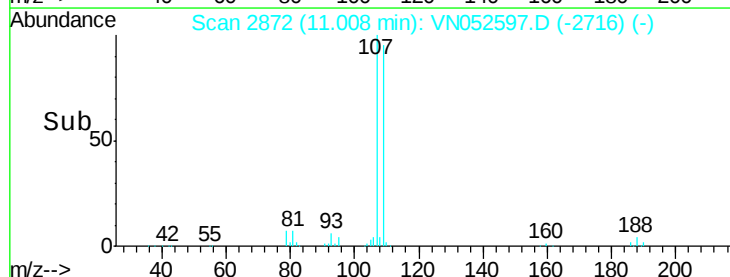
40000

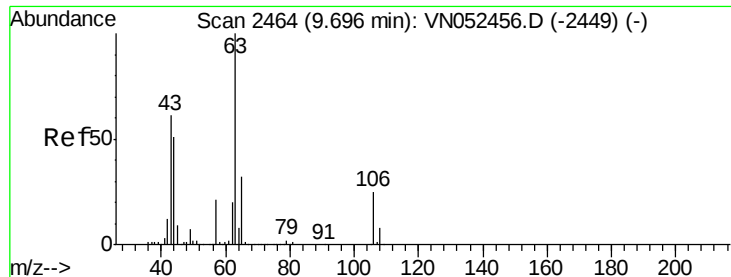
20000

0

11.00 11.10

Time-->





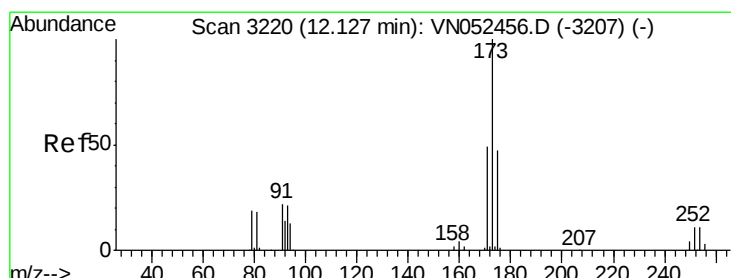
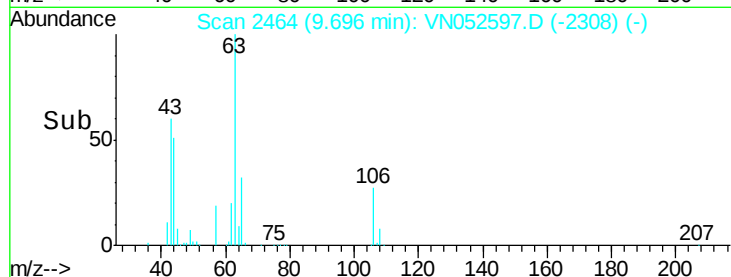
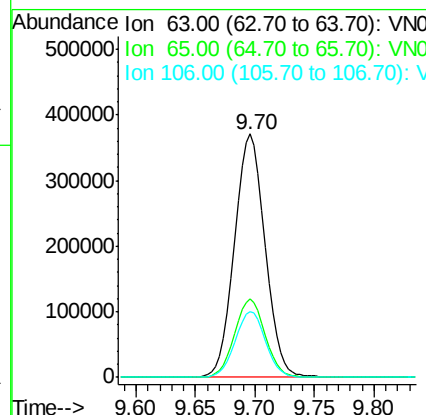
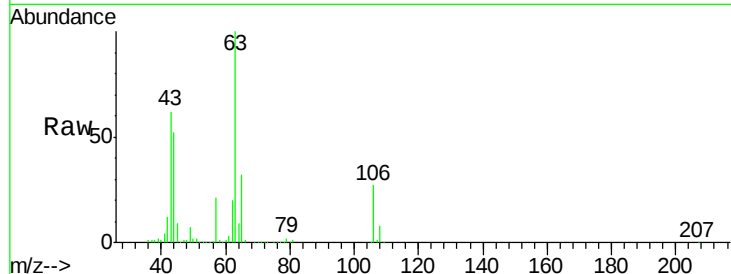
#55
 2-Chloroethyl vinyl ether
 Concen: 99.061 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.2
106	26.8	20.4	30.6

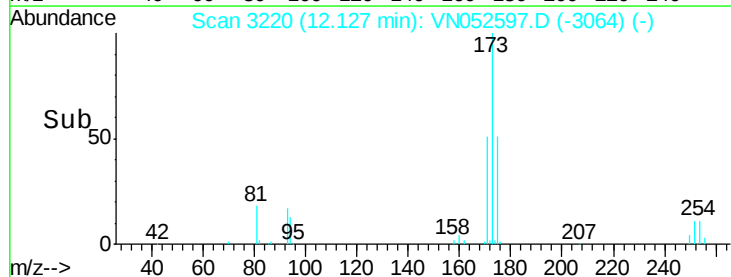
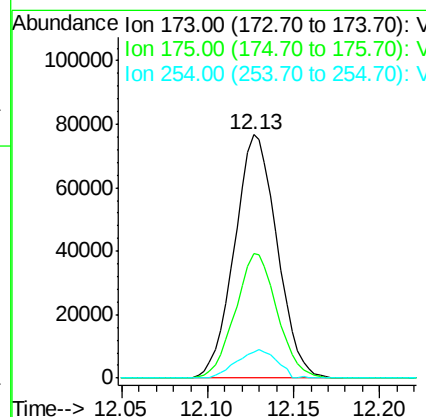
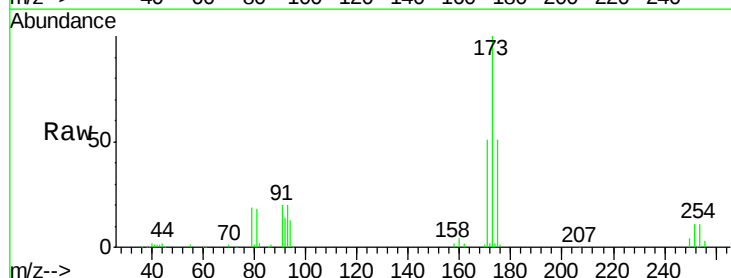
Manual Integrations
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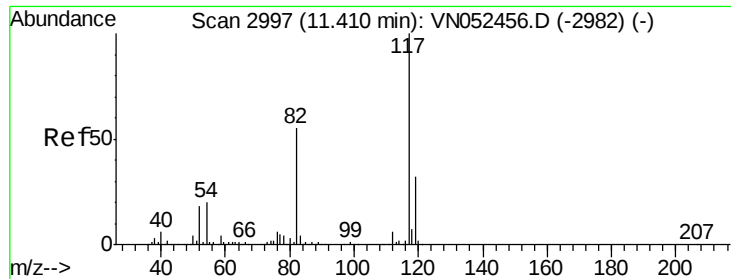
MMDadoda
 12/3/2018 10:49:23 AM



#56
 Bromoform
 Concen: 20.169 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.1	38.7	58.1
254	10.8	8.4	12.6





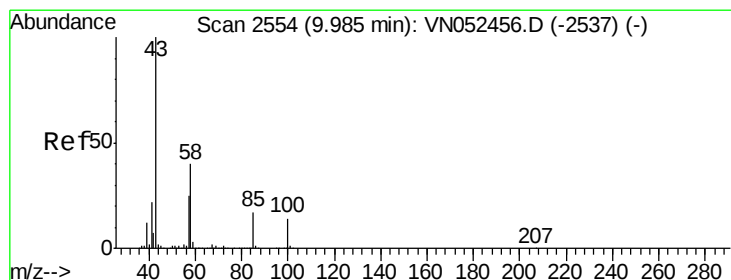
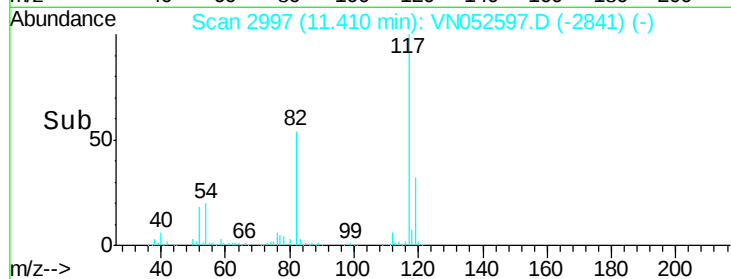
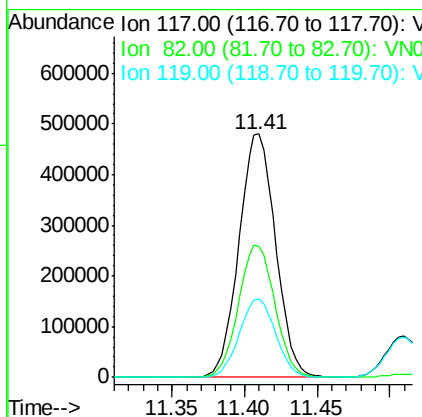
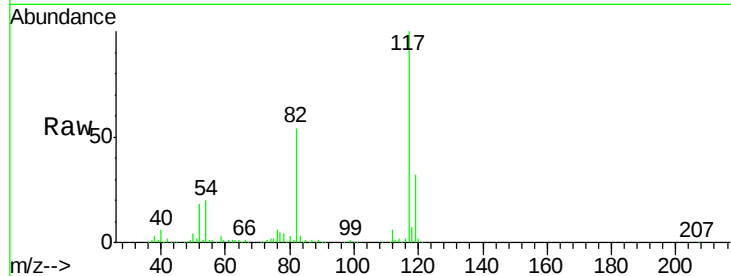
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	844305		
82	54.0		44.2	66.2
119	32.0		25.4	38.2

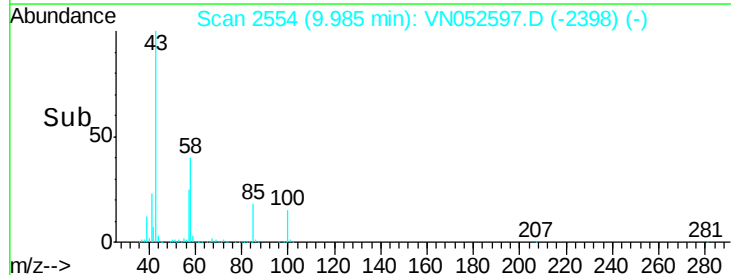
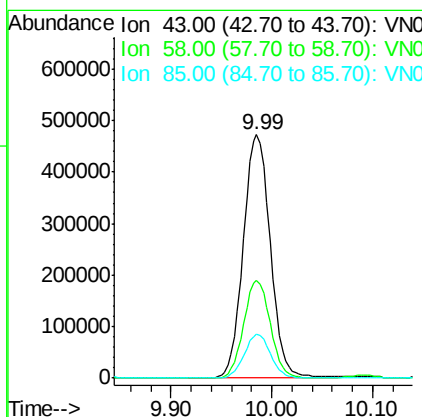
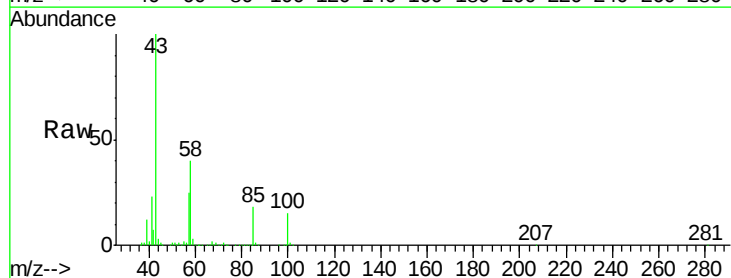
Manual Integrations
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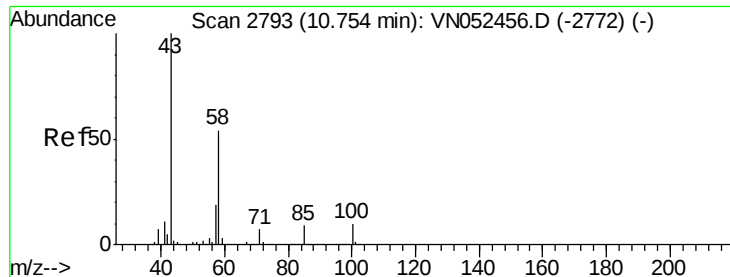
MMDadoda
12/3/2018 10:49:23 AM



#58
4-Methyl-2-Pentanone
Concen: 106.483 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	871600		
58	39.8		31.6	47.4
85	17.6		13.3	19.9





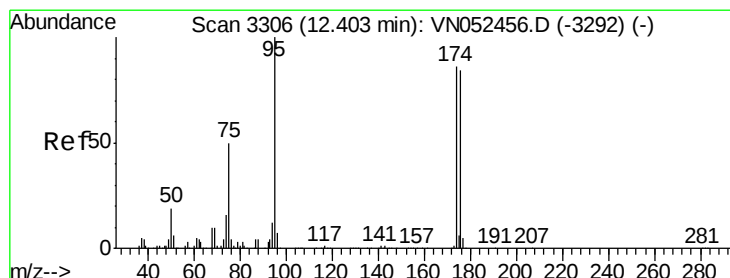
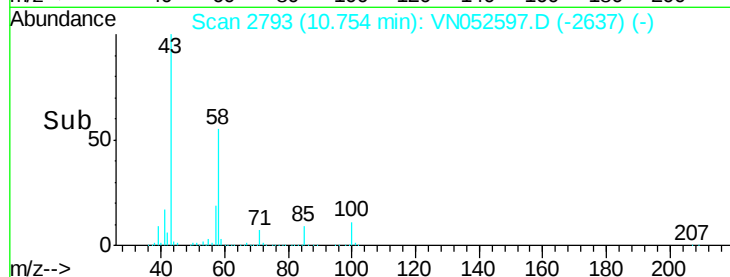
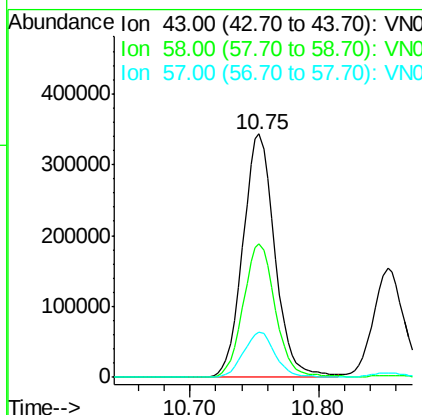
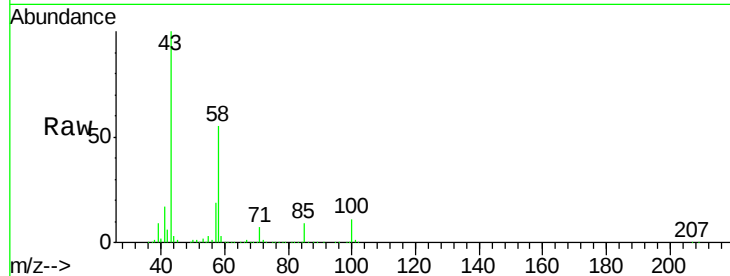
#59
2-Hexanone
Concen: 105.700 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.4	43.2	64.8
57	18.7	14.9	22.3

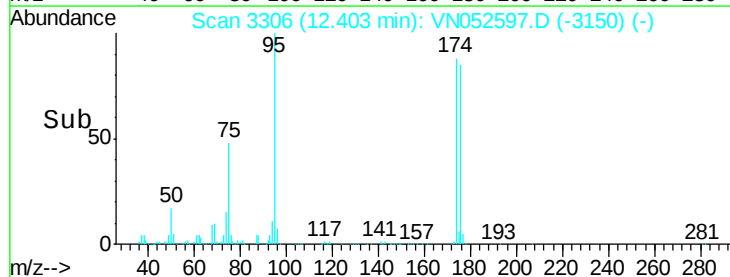
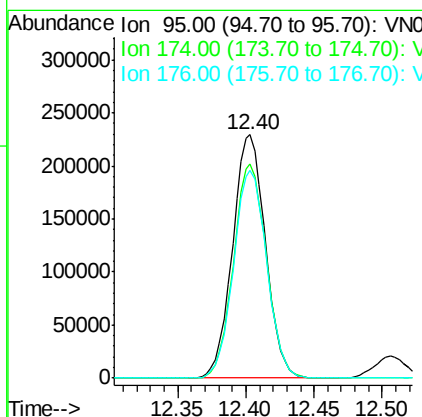
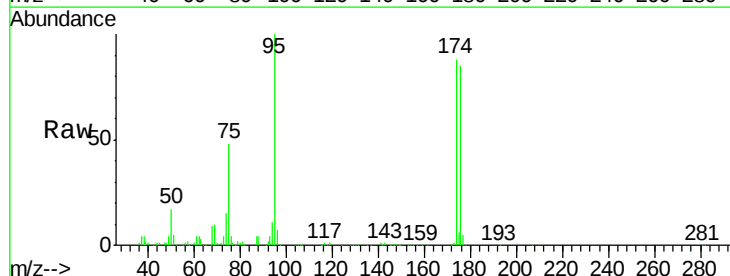
Manual Integrations
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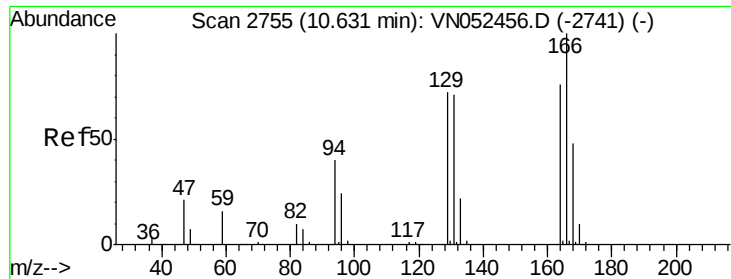
MMDadoda
12/3/2018 10:49:23 AM



#60
4-Bromofluorobenzene
Concen: 105.700 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.5	67.9	101.9
176	85.9	66.4	99.6





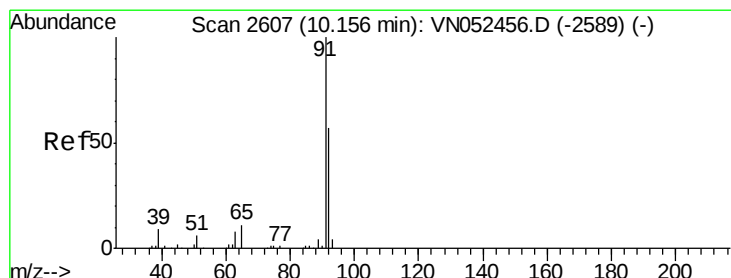
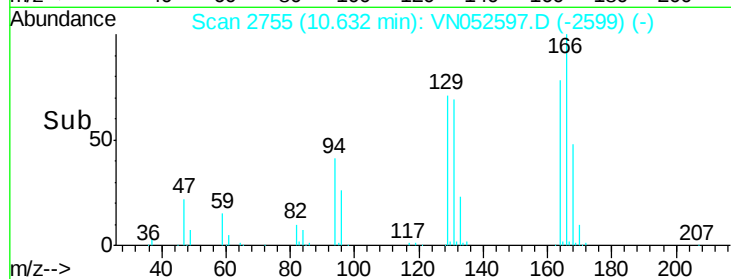
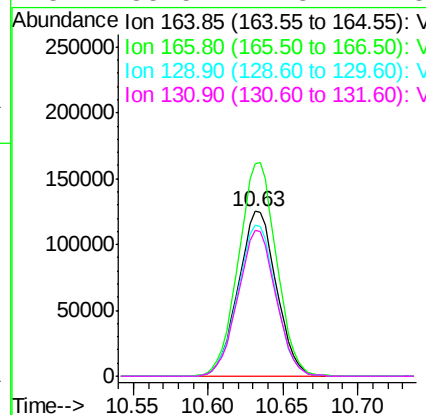
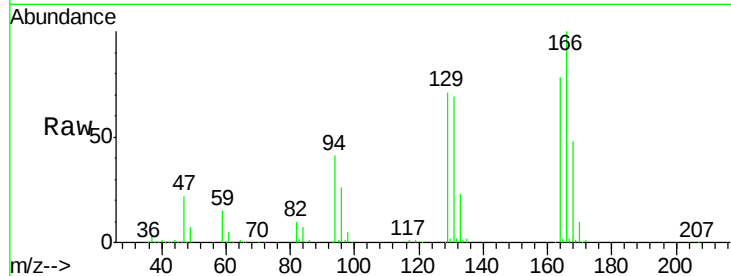
#61
Tetrachloroethene
Concen: 21.365 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampled :
VN1130WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	222164		
166	128.6	104.6	157.0	
129	91.7	75.3	112.9	
131	88.5	74.3	111.5	

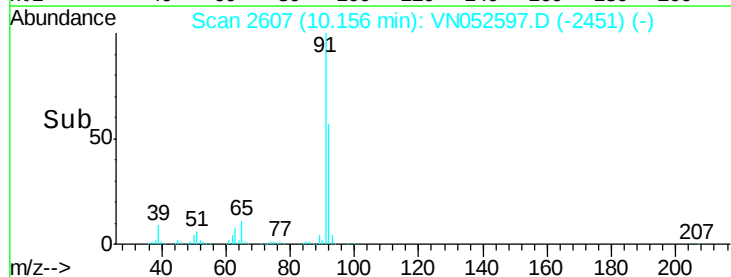
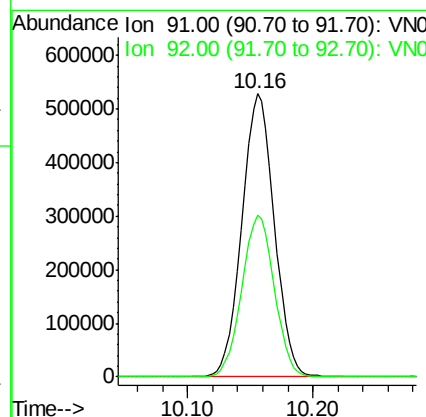
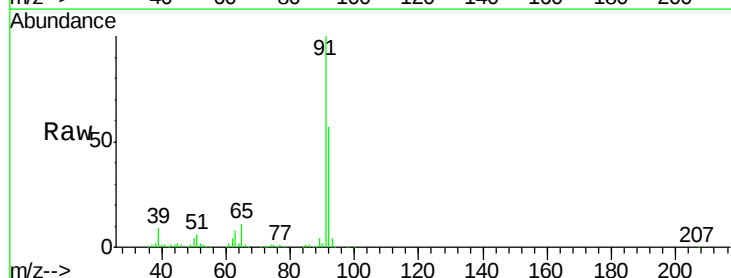
Manual Integrations
APPROVED

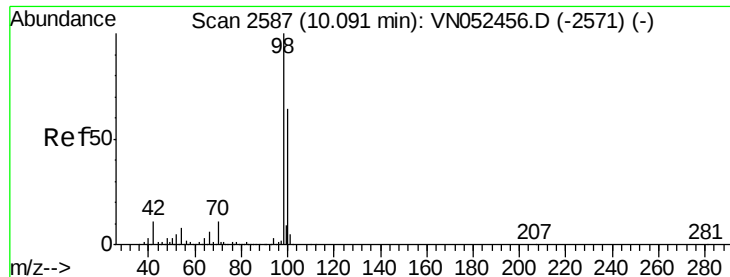
MMDadoda
12/3/2018 10:49:23 AM



#62
Toluene
Concen: 20.351 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	947224		
92	57.4	45.4	68.2	





#63

Toluene-d8

Concen: 20.351 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS01

Tgt Ion: 98 Resp: 1162745

Ion Ratio Lower Upper

98 100

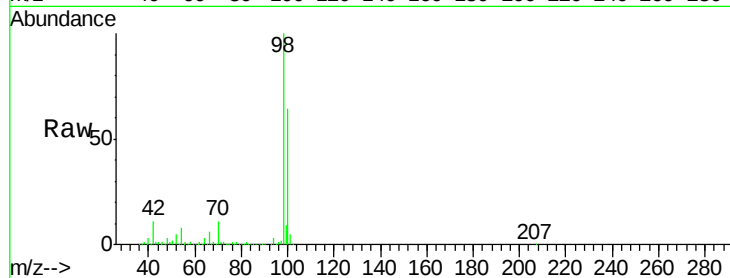
100 64.0 51.1 76.7

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)

10.09

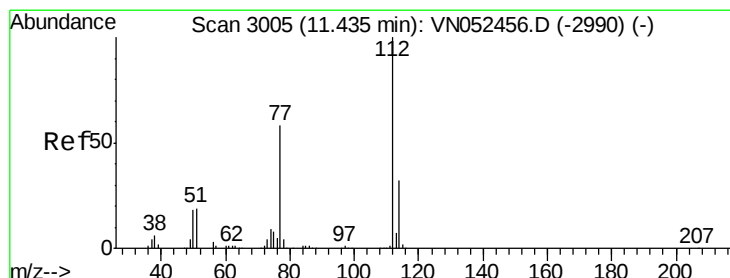
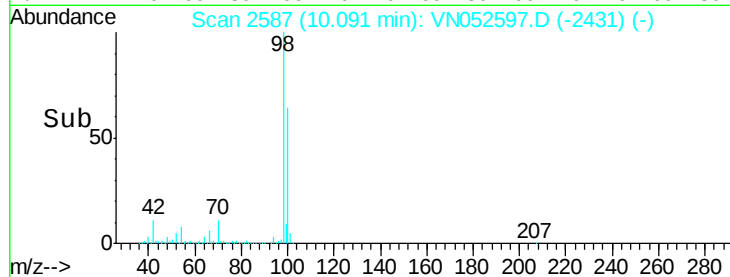
600000

400000

200000

0

Time-->



#64

Chlorobenzene

Concen: 20.435 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052597.D

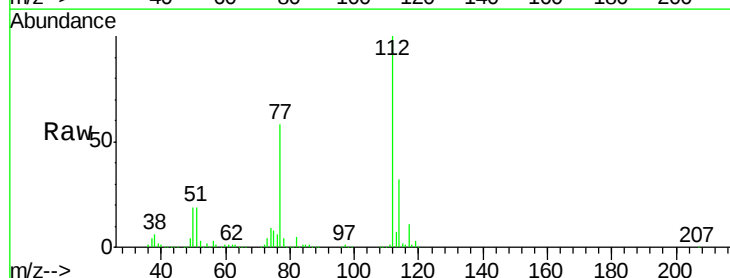
Acq: 30 Nov 2018 10:55

Tgt Ion: 112 Resp: 580528

Ion Ratio Lower Upper

112 100

114 32.3 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)

11.44

400000

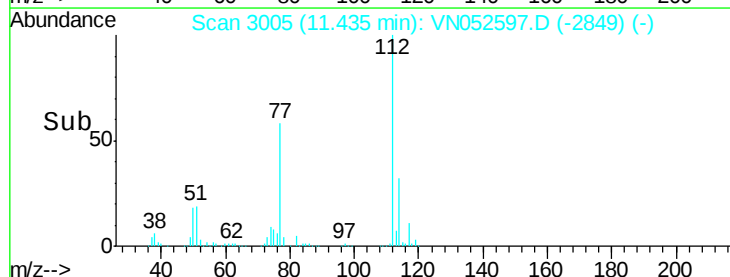
300000

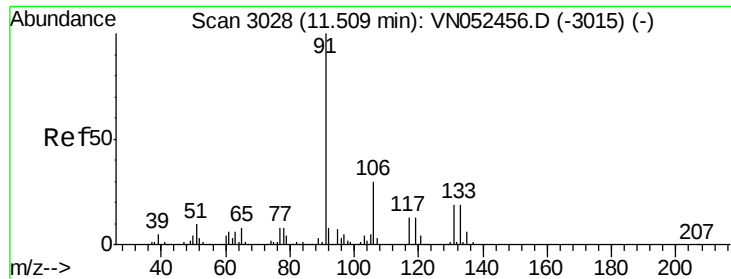
200000

100000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.610 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

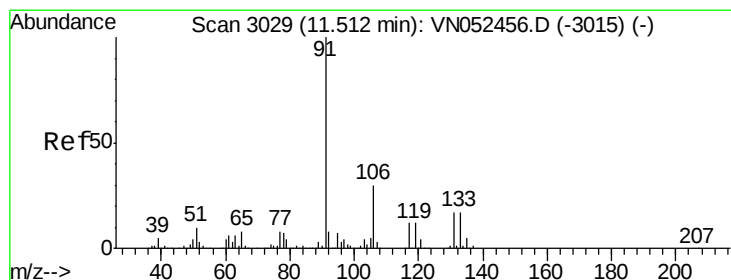
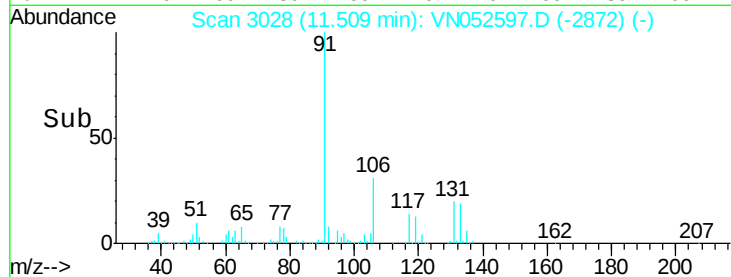
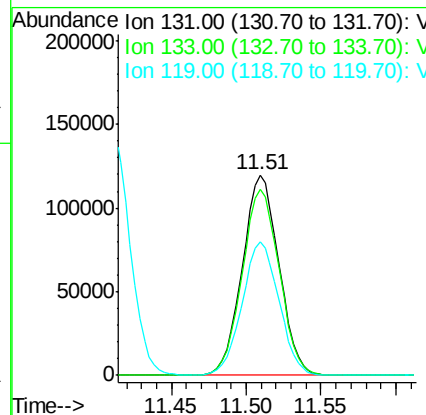
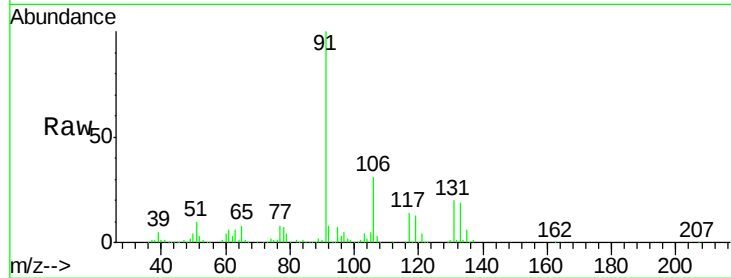
ClientSampleId :

VN1130WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	203237		
133	94.5	0.0	193.4	
119	67.2	0.0	133.0	

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.195 ug/l

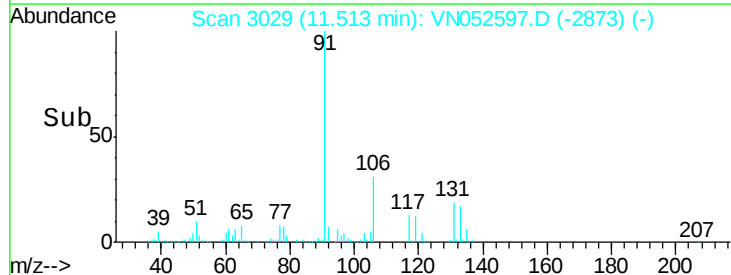
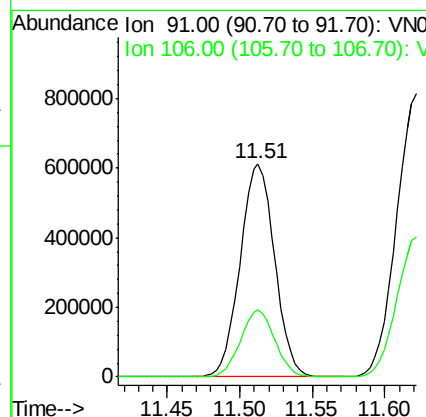
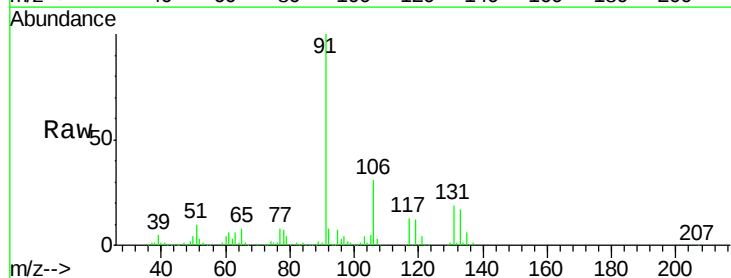
RT: 11.51 min Scan# 3029

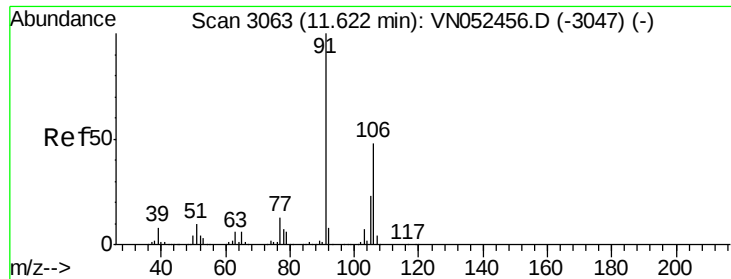
Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1013047		
106	31.3	24.3	36.5	





#67

m/p-Xylenes

Concen: 41.005 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampled :

VN1130WBS01

Tgt Ion:106 Resp: 766328

Ion Ratio Lower Upper

106 100

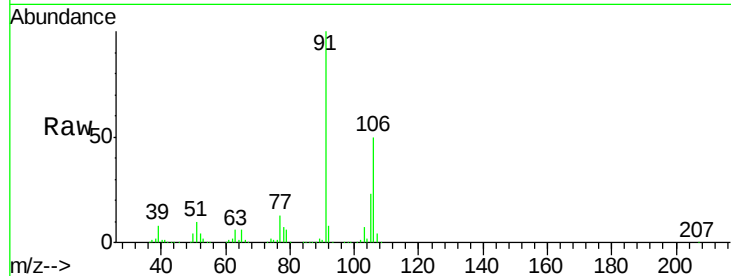
91 202.4 163.9 245.9

Manual Integrations

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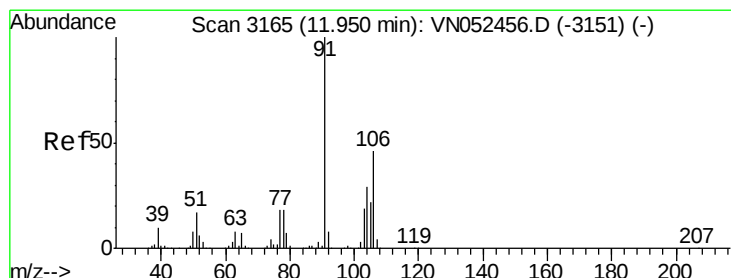
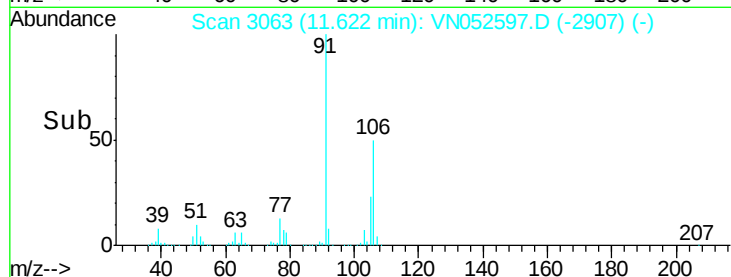
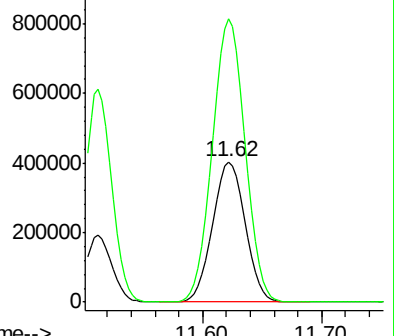
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.375 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052597.D

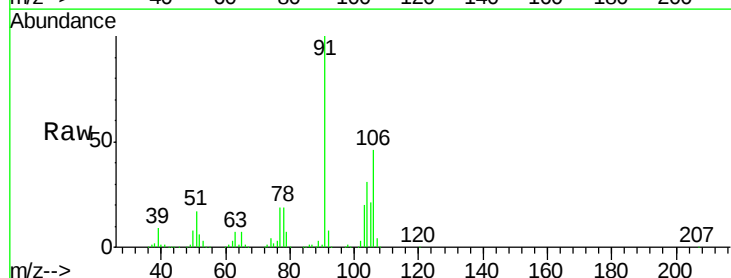
Acq: 30 Nov 2018 10:55

Tgt Ion:106 Resp: 369588

Ion Ratio Lower Upper

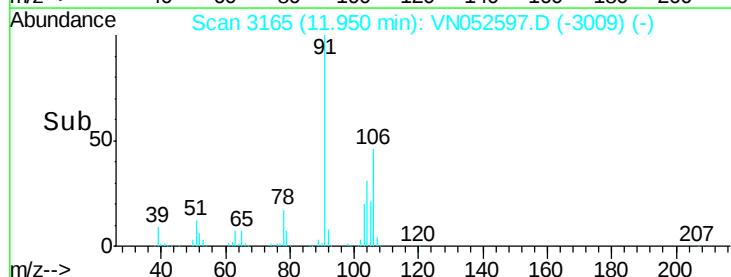
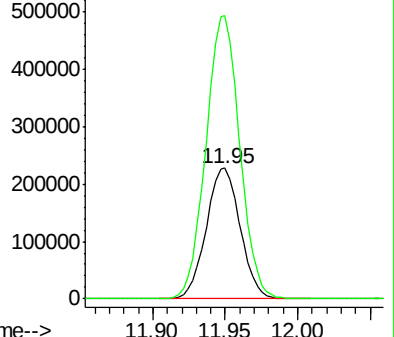
106 100

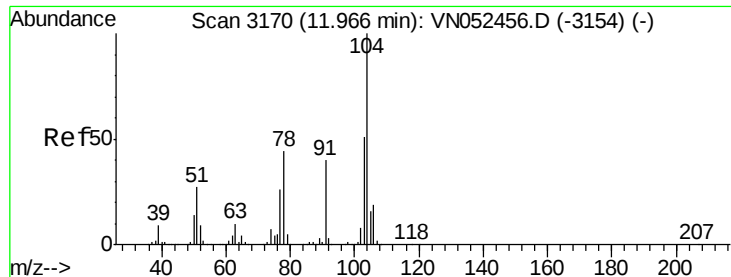
91 216.2 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





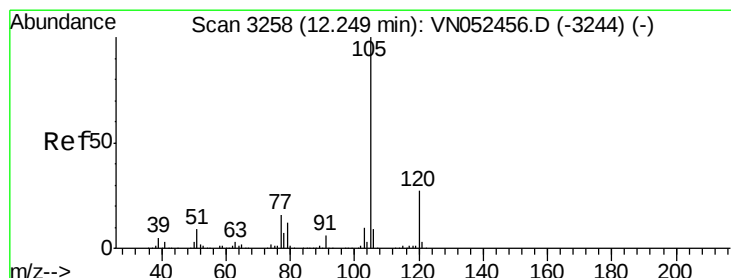
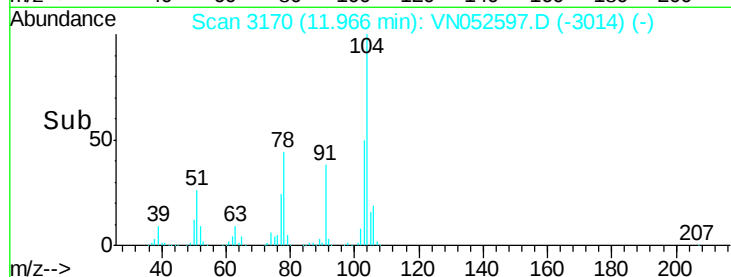
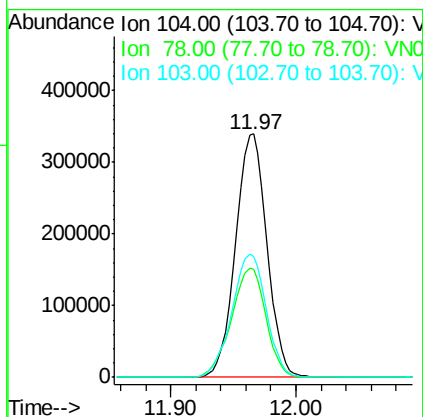
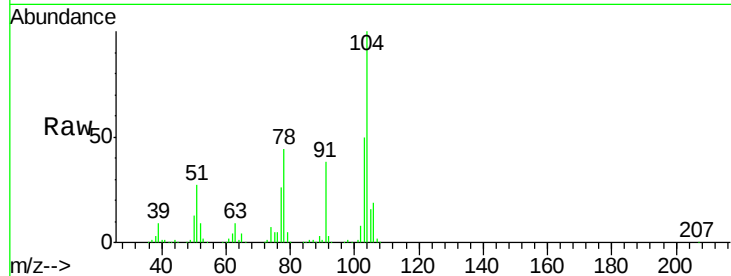
#69
Styrene
Concen: 20.164 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampled :
VN1130WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	590364		
78	49.5	39.3	58.9	
103	55.4	44.6	66.8	

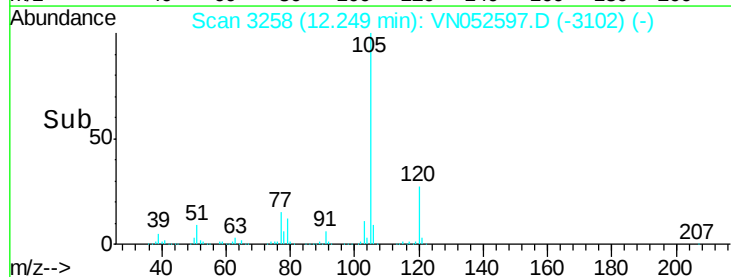
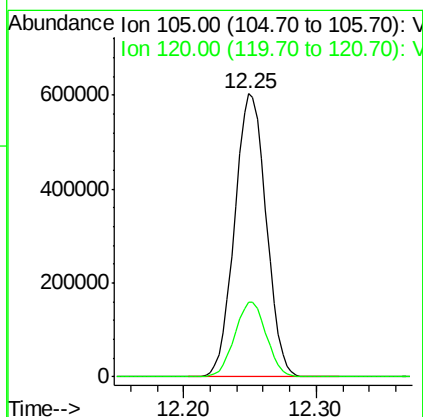
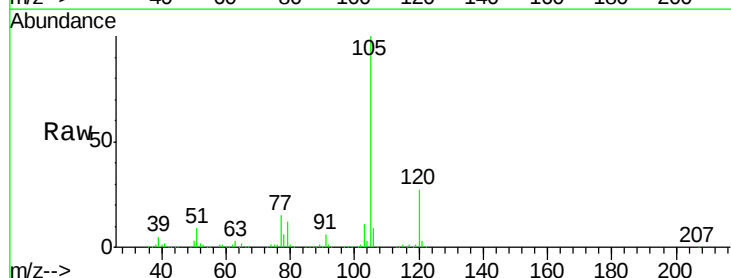
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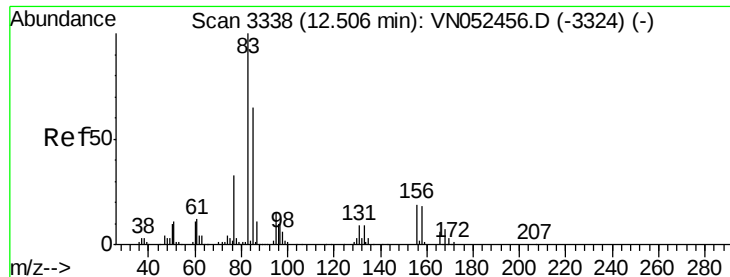
MMDadoda
12/3/2018 10:49:23 AM



#70
Isopropylbenzene
Concen: 20.656 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	996901		
120	26.5	18.6	34.6	





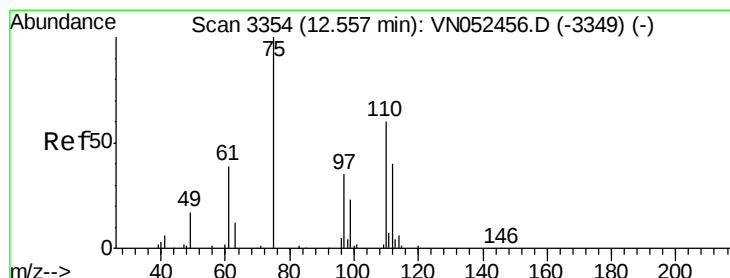
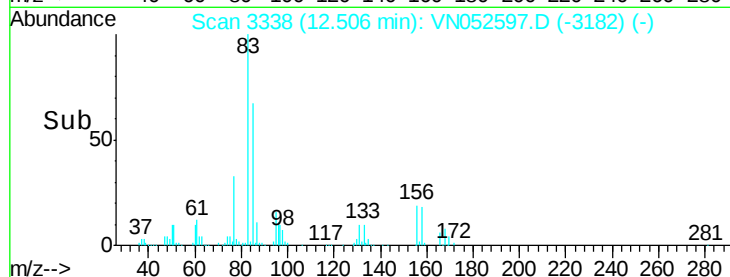
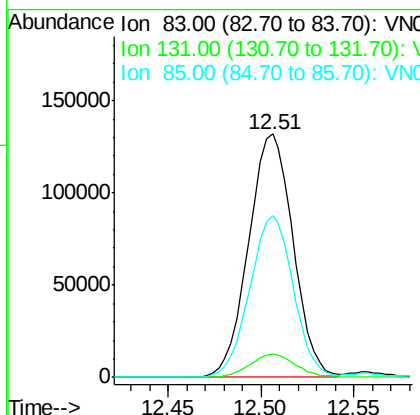
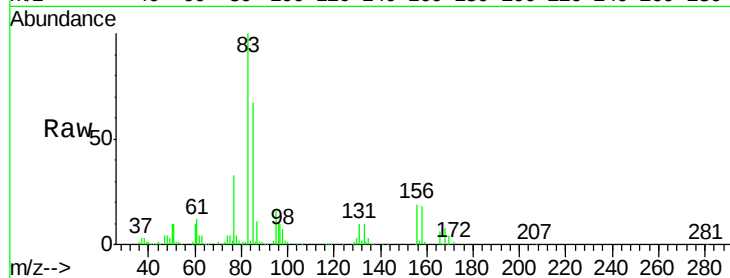
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.978 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	220243		
131	9.9	4.9	14.6	
85	65.0	32.2	96.6	

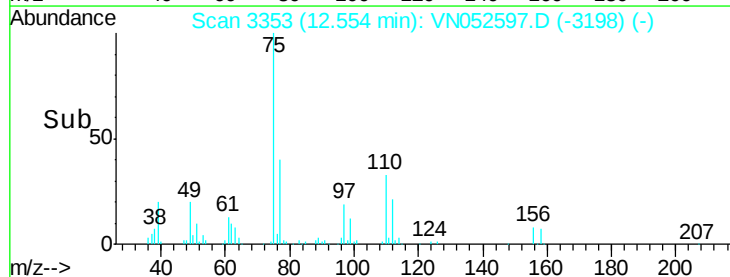
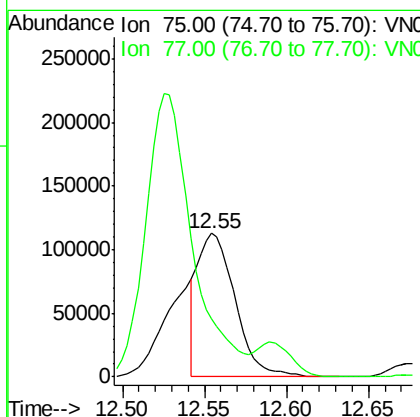
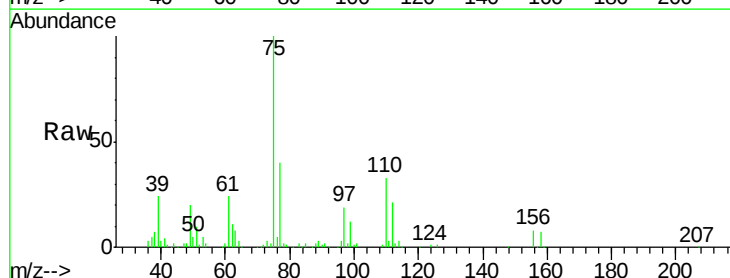
Manual Integrations
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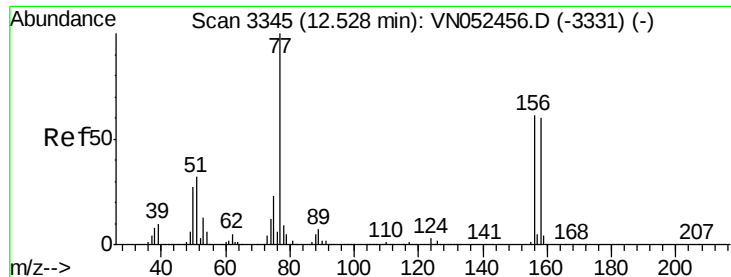
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 19.989 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	180149		
77	247.5	0.0	514.8	





#73

Bromobenzene

Concen: 20.804 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

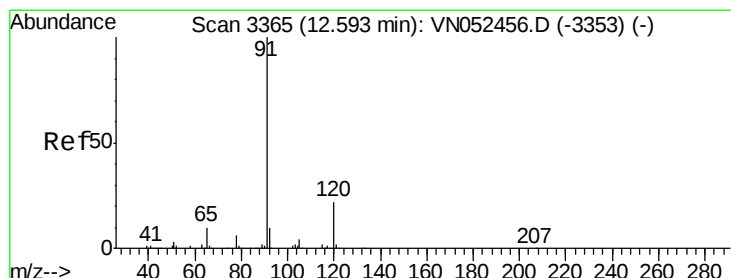
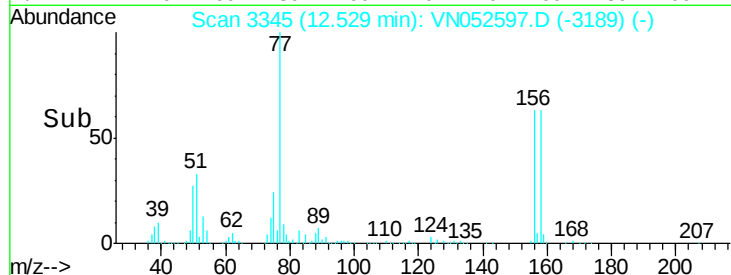
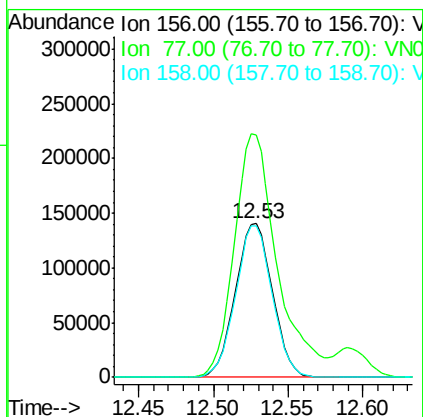
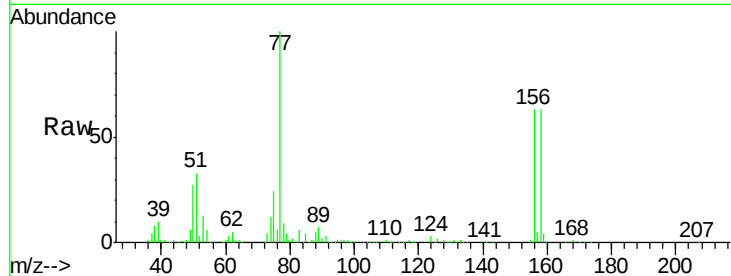
ClientSampleId :

VN1130WBS01

Tgt Ion:	156	Resp:	242842
Ion Ratio	Lower	Upper	
156	100		
77	183.6	0.0	382.6
158	97.4	0.0	196.8

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#74

n-propylbenzene

Concen: 19.945 ug/l

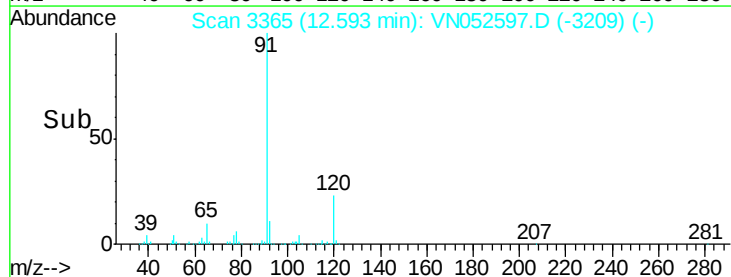
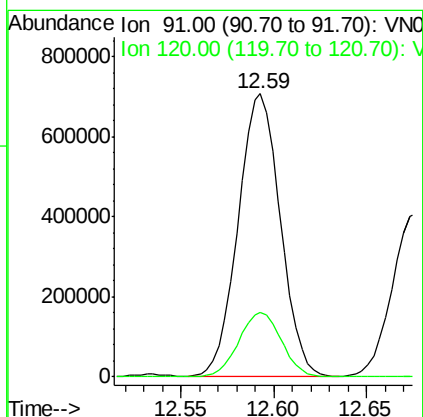
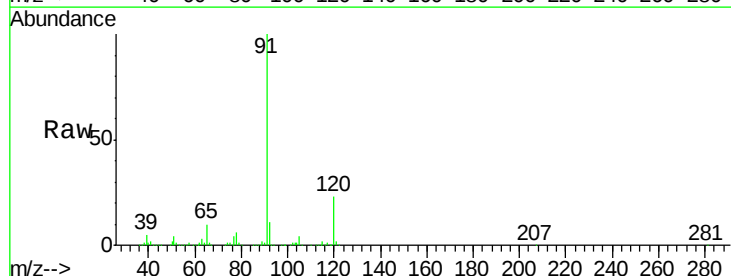
RT: 12.59 min Scan# 3365

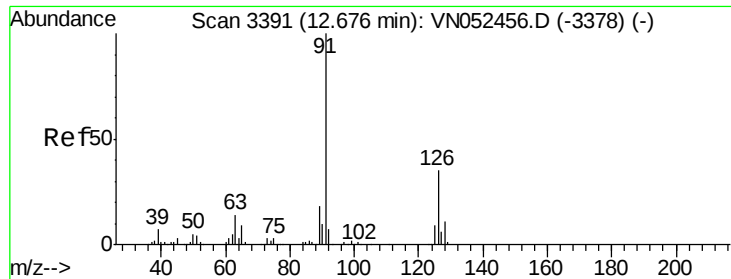
Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Tgt Ion:	91	Resp:	1121583
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.599 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052597.D

Acq: 30 Nov 2018 10:55

Instrument :

MSVOA_N

ClientSampled :

VN1130WBS01

Tgt Ion: 91 Resp: 672344

Ion Ratio Lower Upper

91 100

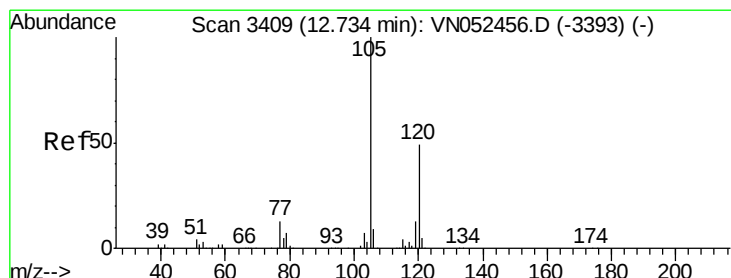
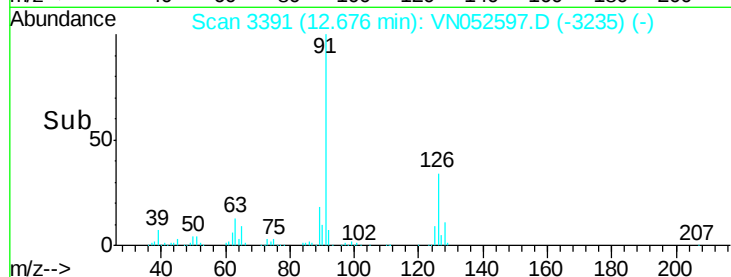
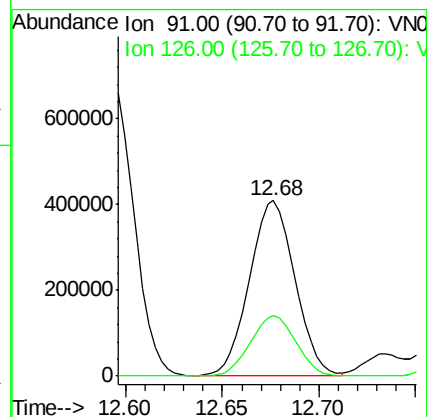
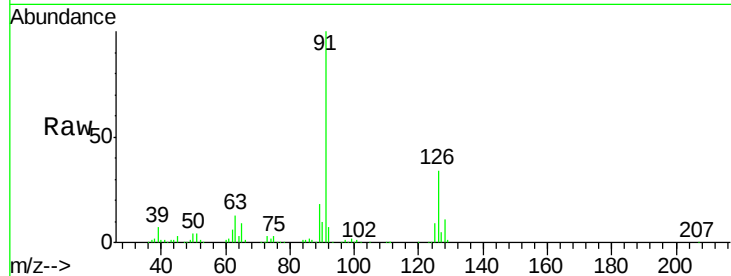
126 34.6 0.0 68.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.568 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052597.D

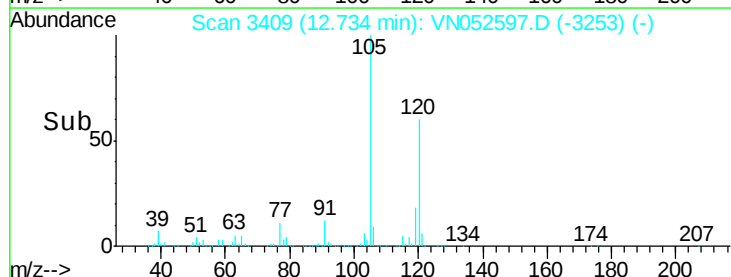
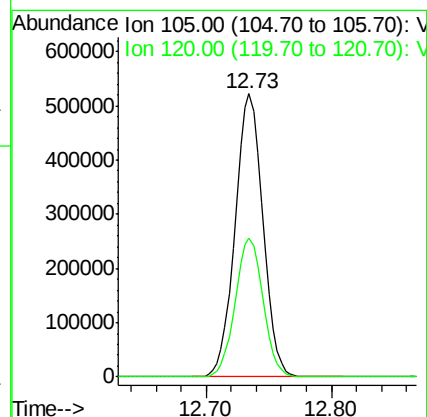
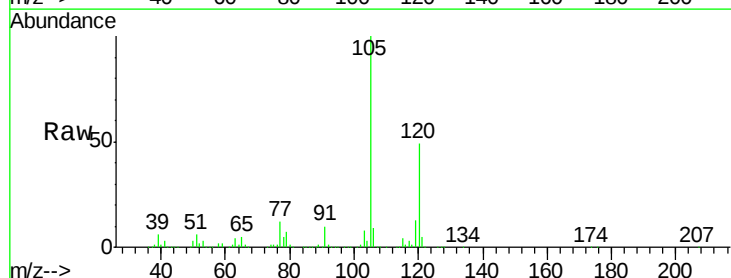
Acq: 30 Nov 2018 10:55

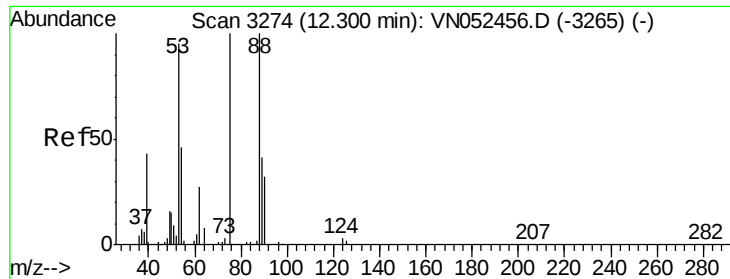
Tgt Ion: 105 Resp: 801802

Ion Ratio Lower Upper

105 100

120 49.2 0.0 97.4





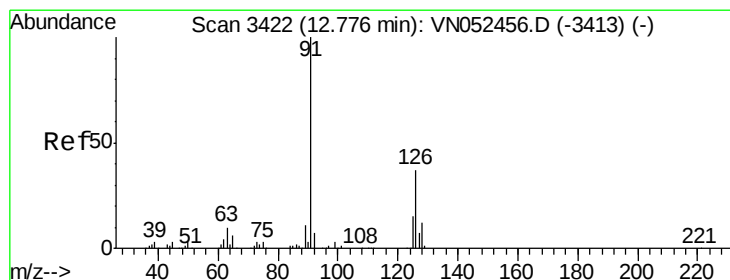
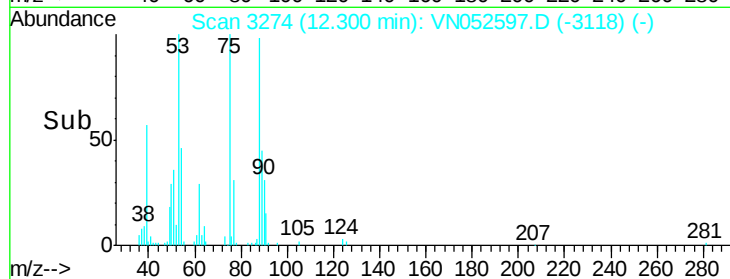
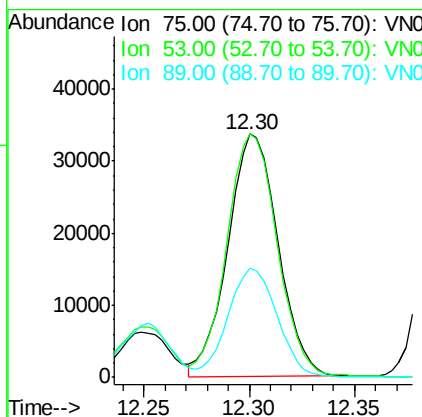
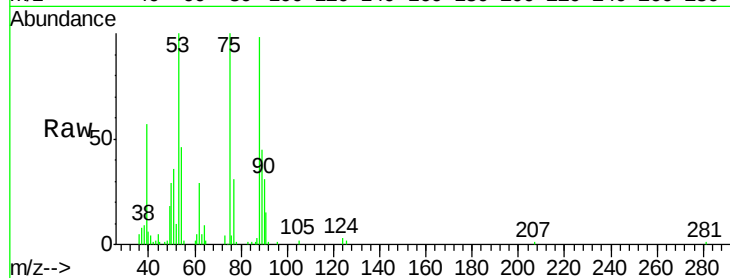
#77
t-1,4-Dichloro-2-butene
Concen: 19.551 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	99.8	48.5	145.6
89	45.0	21.7	65.1

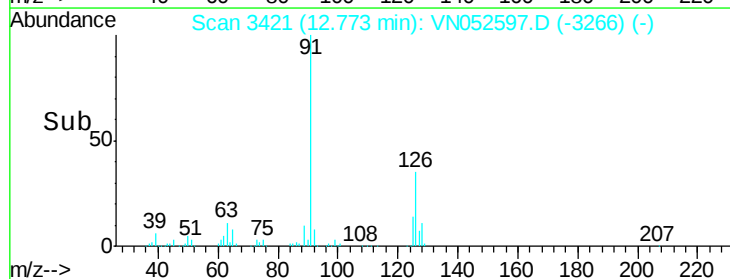
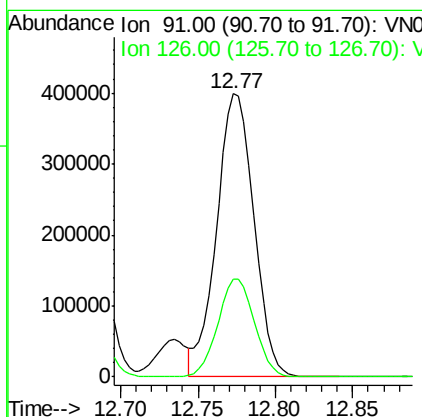
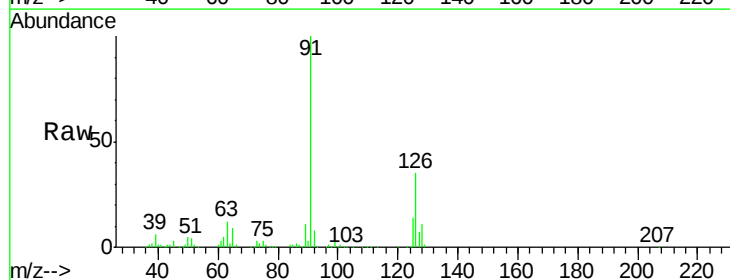
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12/3/2018 10:49:23 AM



#78
4-Chlorotoluene
Concen: 20.420 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	0.0	68.2





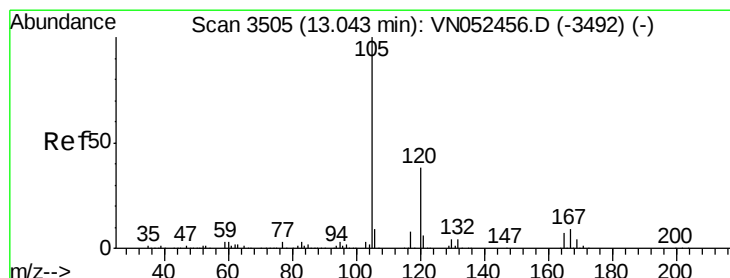
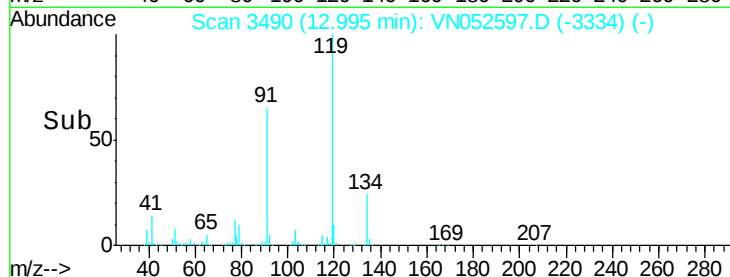
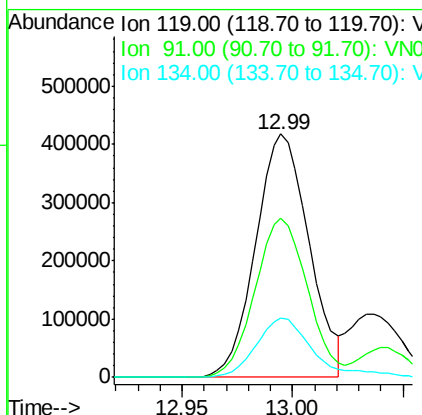
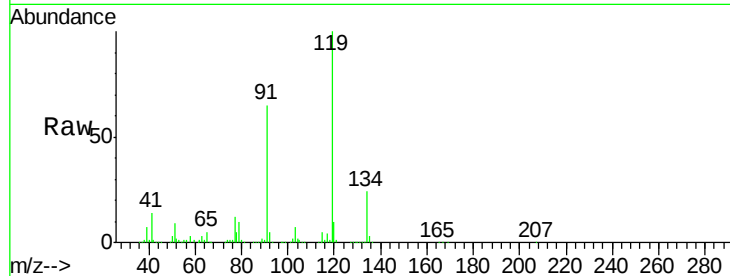
#79
tert-butylbenzene
Concen: 20.678 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	701993		
91	64.3	0.0	129.8	
134	26.2	0.0	52.2	

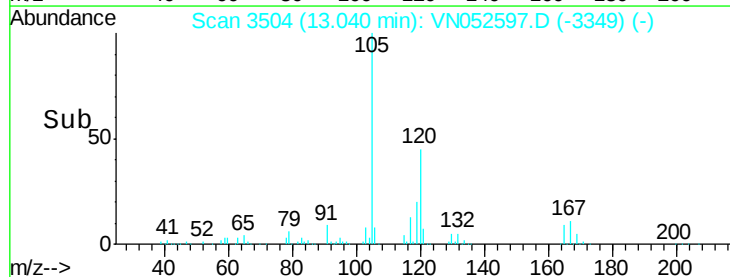
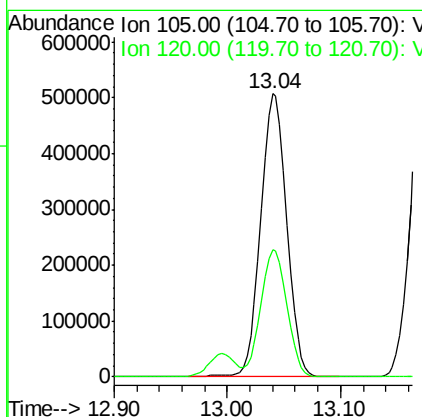
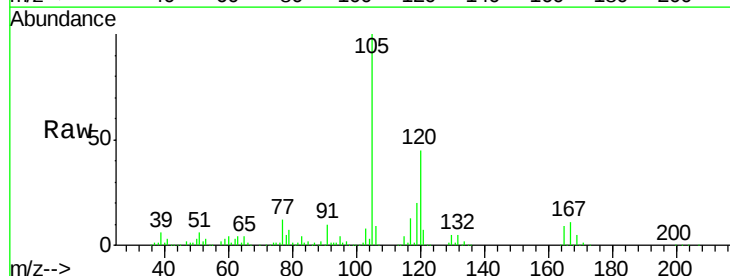
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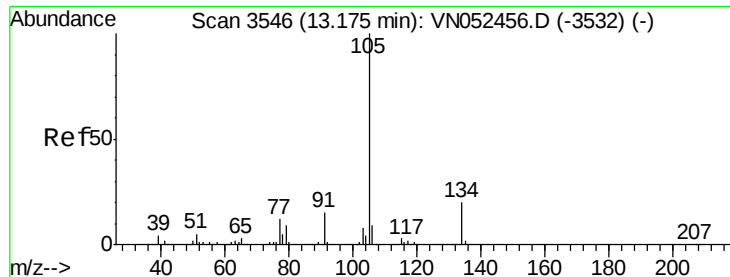
MMDadoda
12/3/2018 10:49:23 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.792 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	811029		
120	44.9	0.0	91.0	





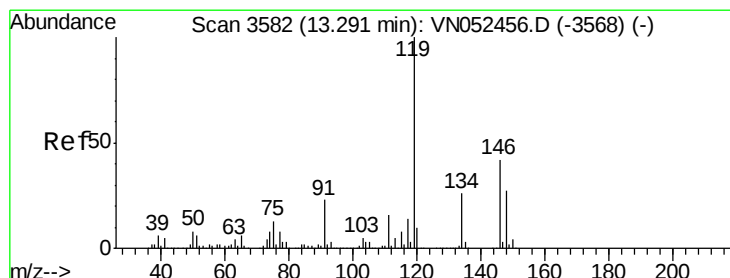
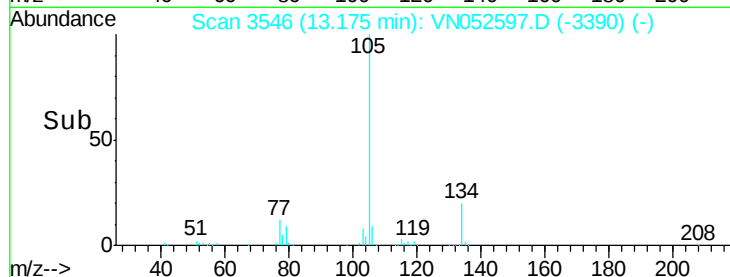
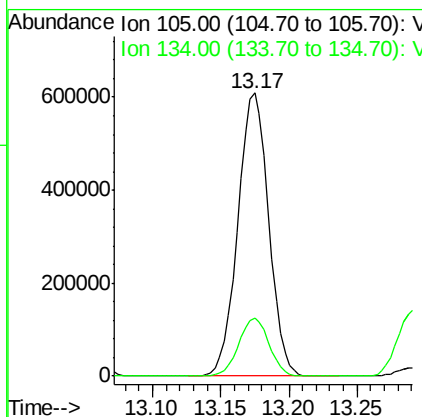
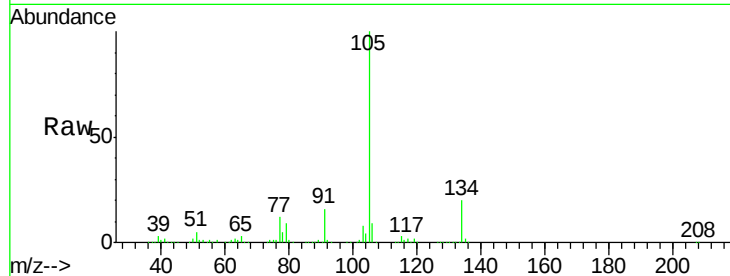
#81
 sec-Butylbenzene
 Concen: 20.191 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.4

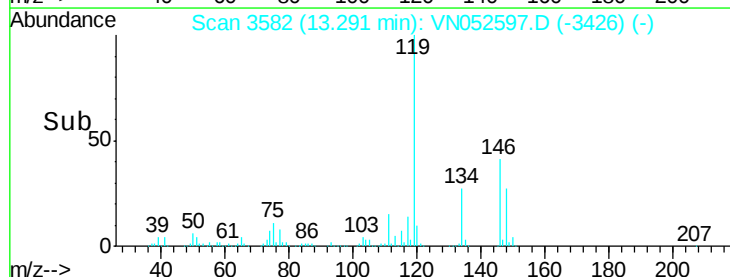
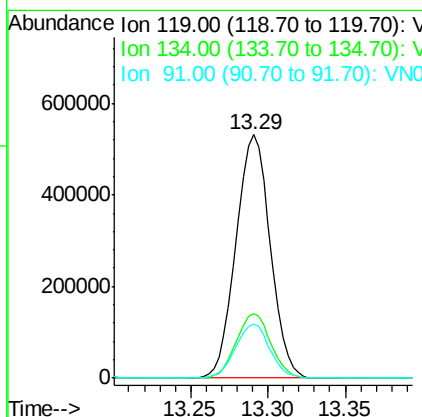
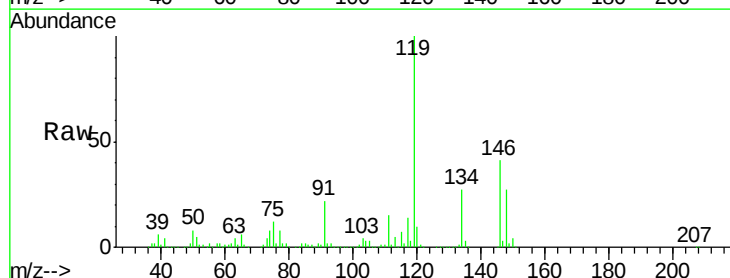
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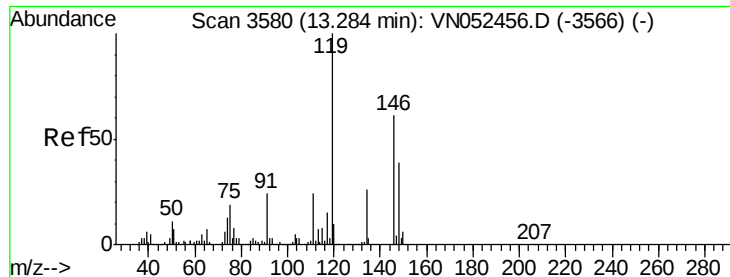
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#82
 p-Isopropyltoluene
 Concen: 20.280 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.6
91	22.3	0.0	46.2





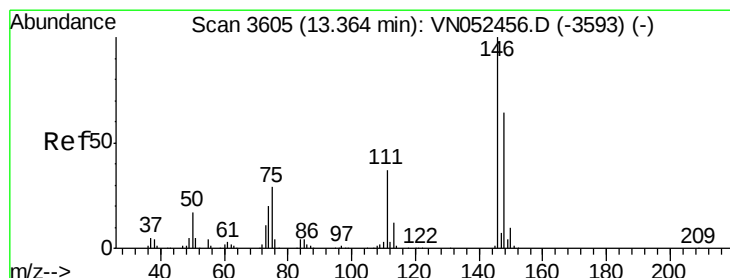
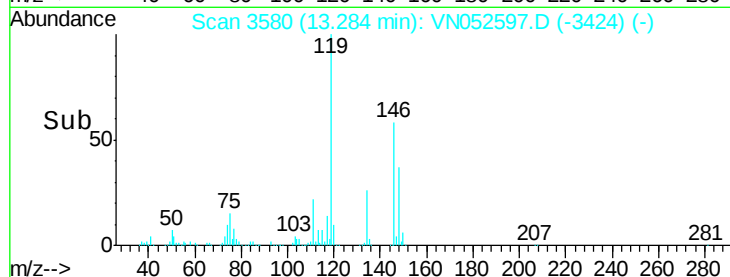
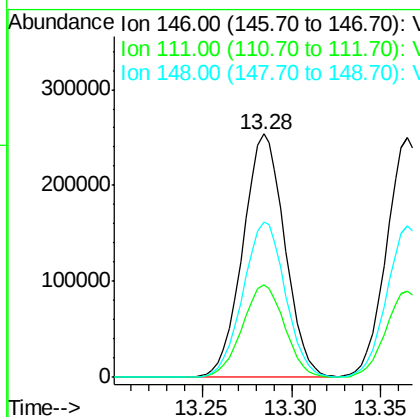
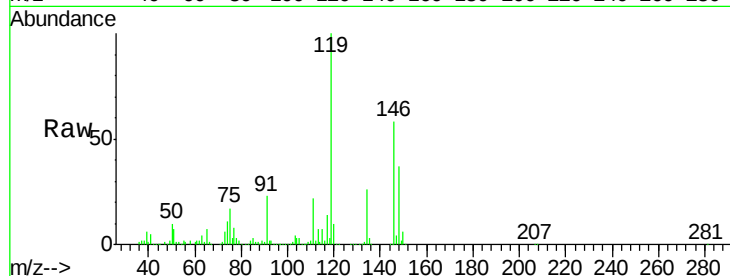
#83
 1,3-Dichlorobenzene
 Concen: 20.332 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	64.5	32.3	96.8

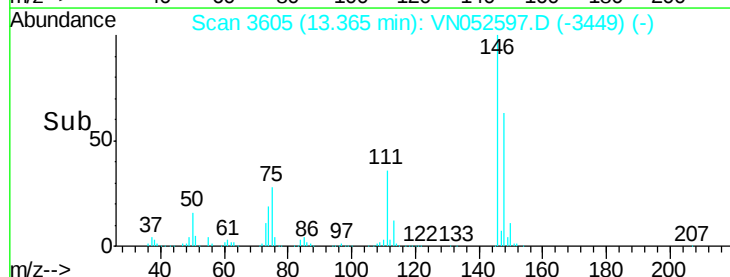
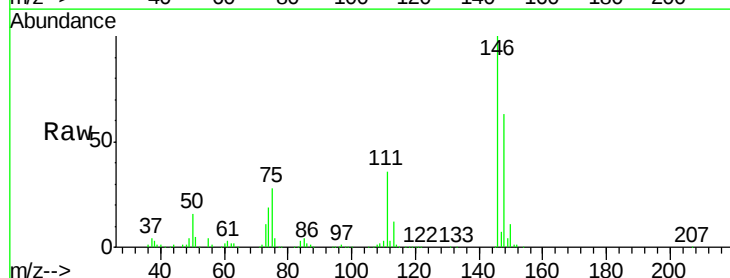
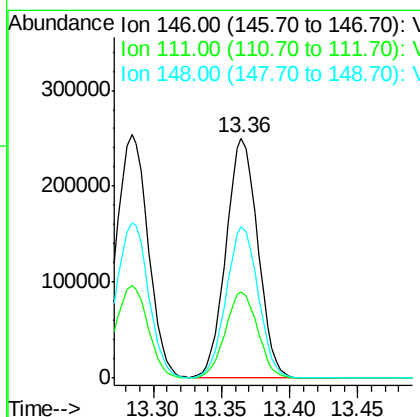
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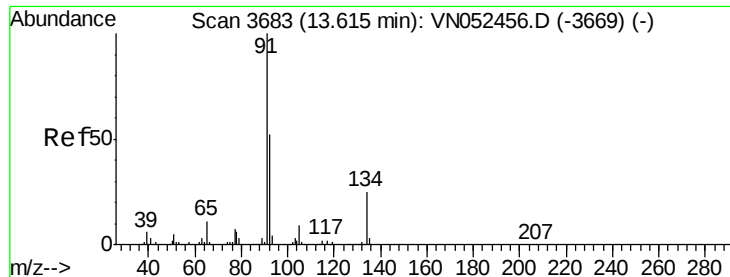
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#84
 1,4-Dichlorobenzene
 Concen: 20.435 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.8	56.3
148	63.8	32.5	97.4





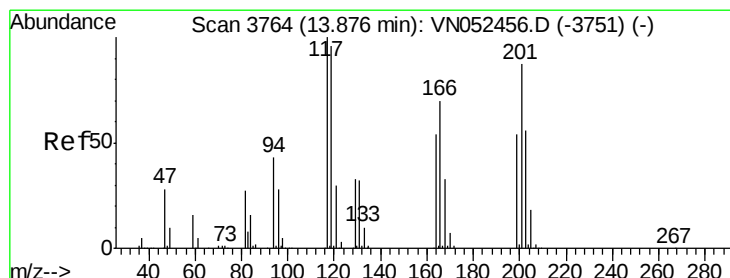
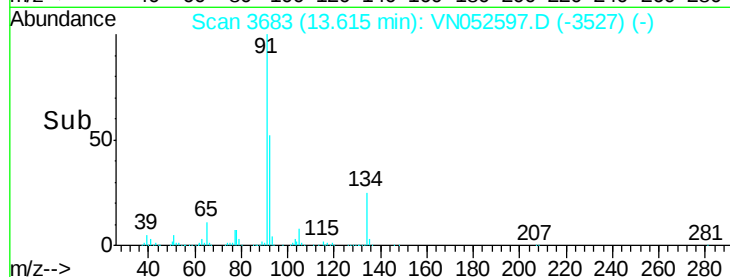
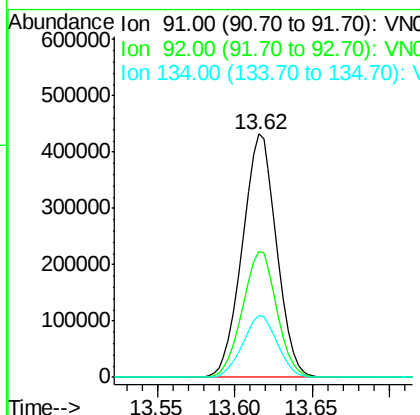
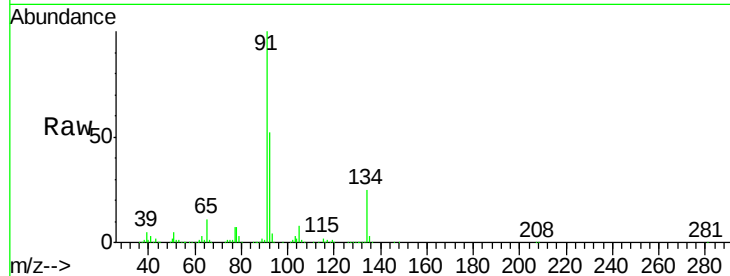
#85
n-Butylbenzene
Concen: 19.189 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	104.2
134	25.6	0.0	50.6

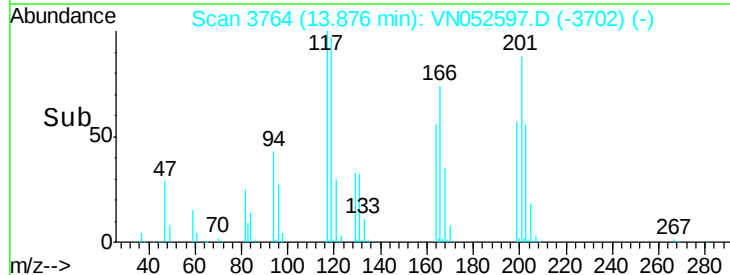
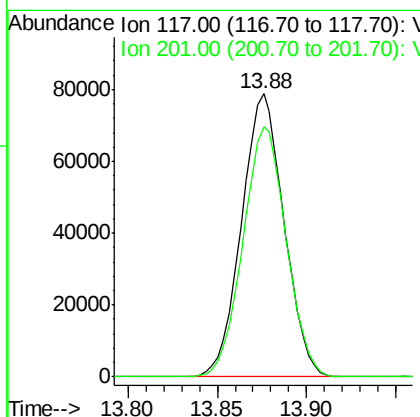
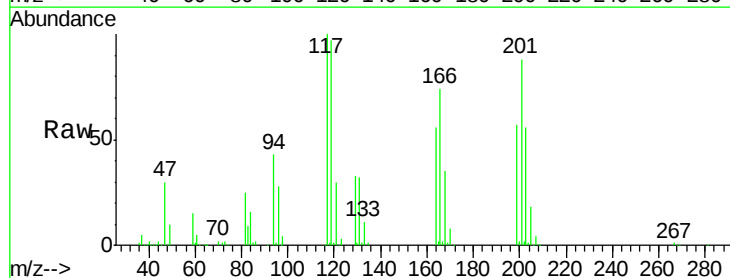
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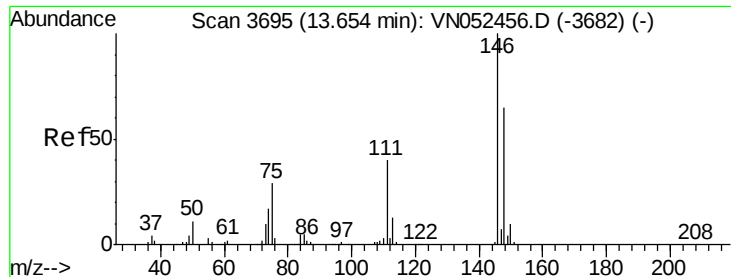
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#86
Hexachloroethane
Concen: 19.239 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	43.8	131.3





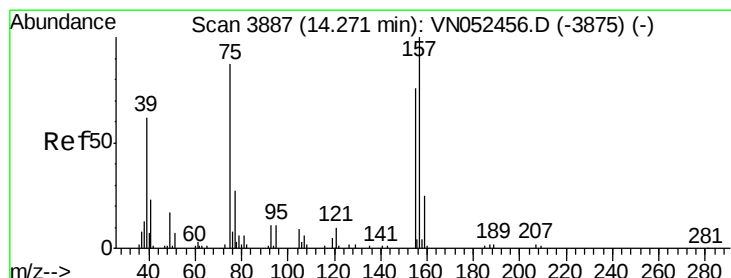
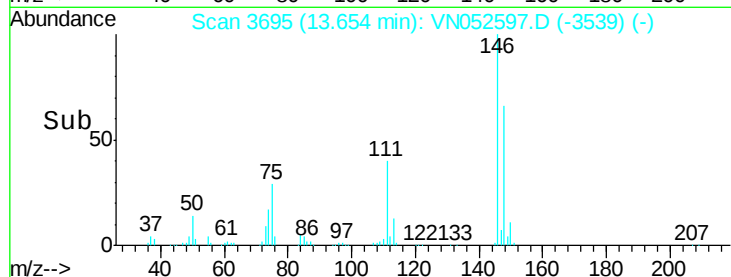
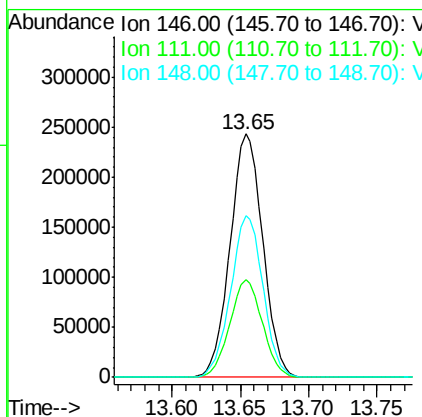
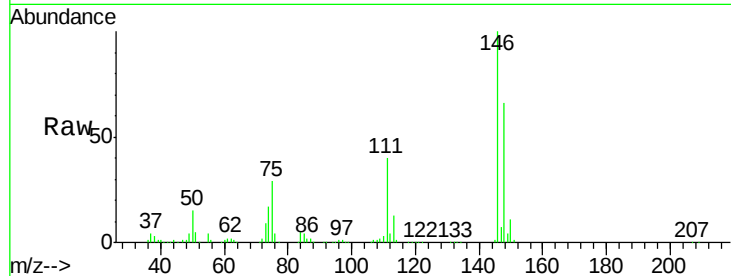
#87
 1,2-Dichlorobenzene
 Concen: 20.747 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.8
148	65.6	32.1	96.5

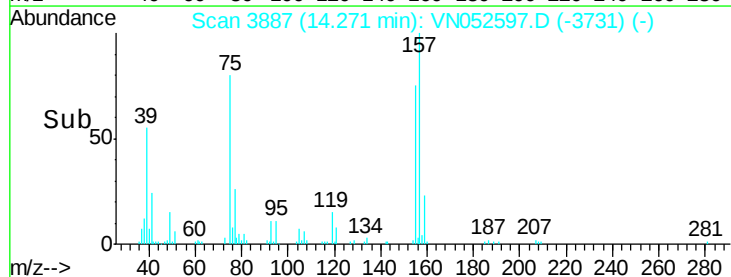
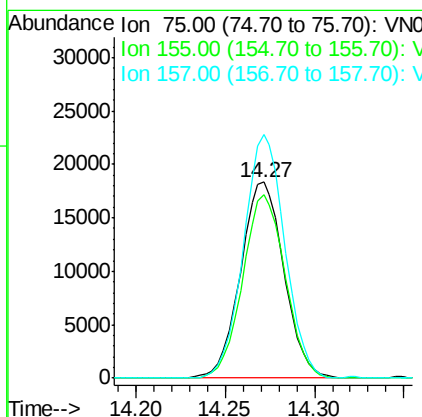
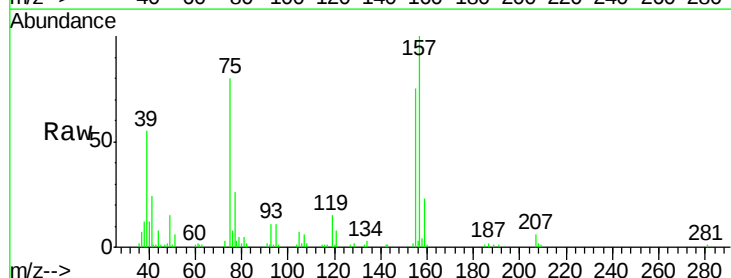
Manual Integrations
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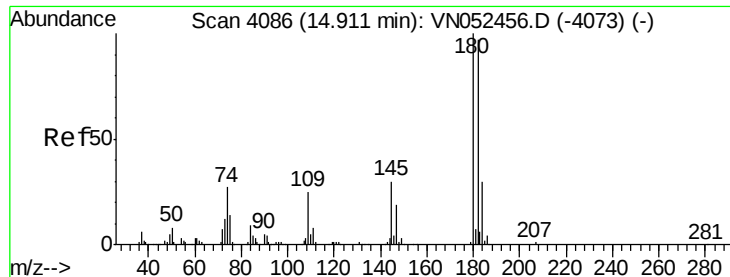
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 12/3/2018 10:49:23 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.182 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	72.2	108.2
157	118.0	94.2	141.2





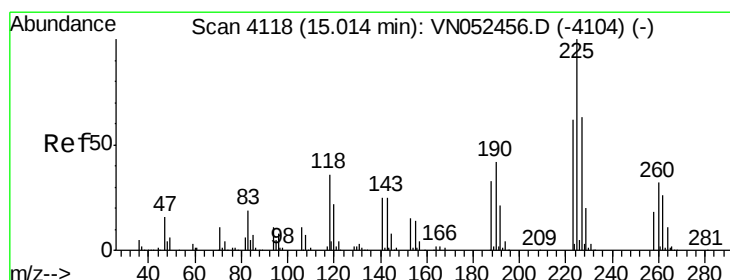
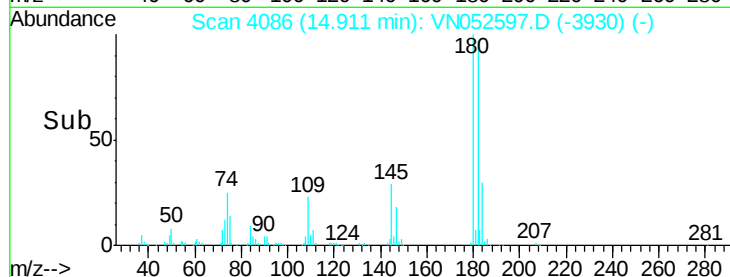
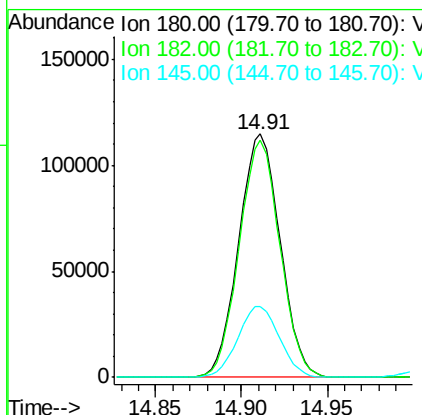
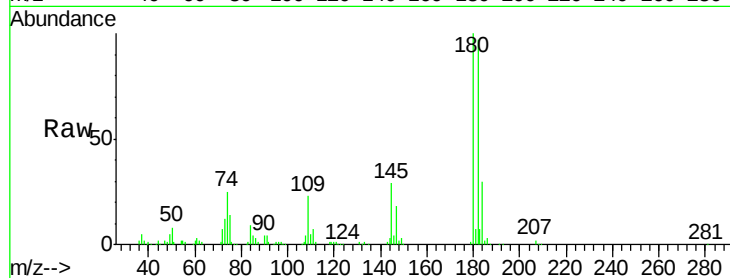
#89
 1,2,4-Trichlorobenzene
 Concen: 19.921 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	191740		
182	95.9	76.6	114.8	
145	29.1	23.6	35.4	

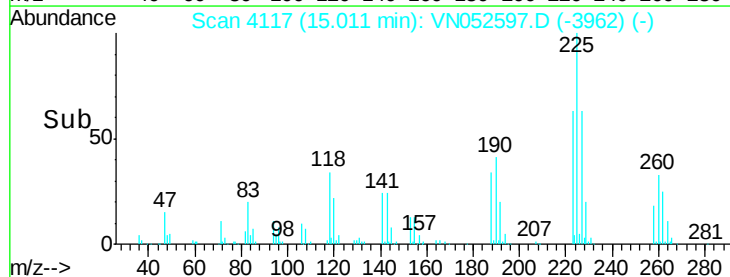
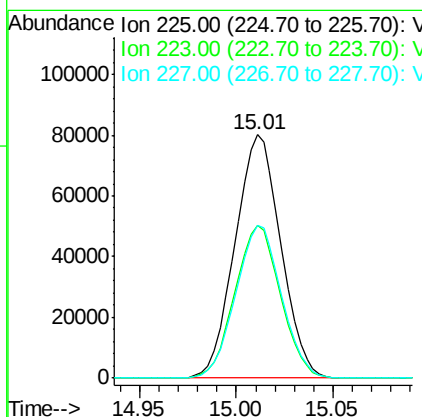
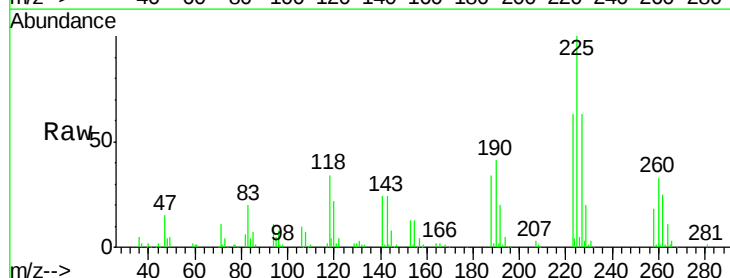
Manual Integrations
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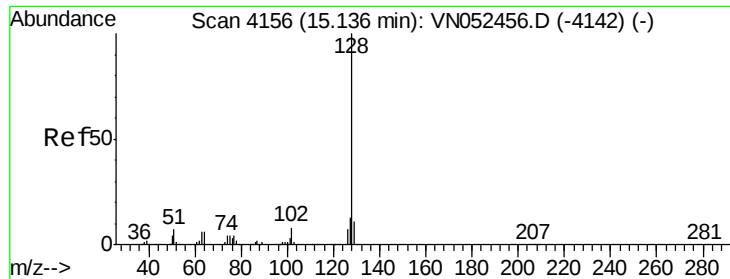
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#90
 Hexachlorobutadiene
 Concen: 20.821 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052597.D
 Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131463		
223	62.6	0.0	125.6	
227	62.7	0.0	127.8	





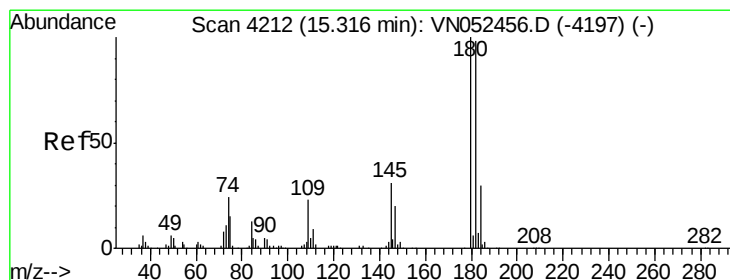
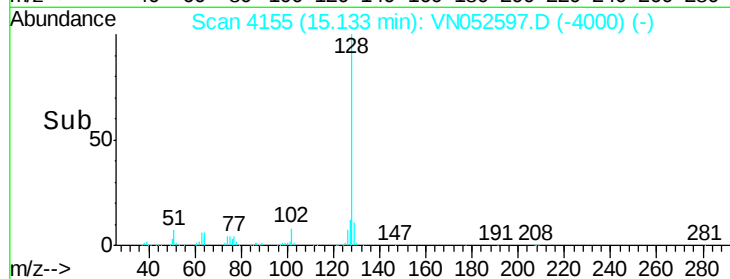
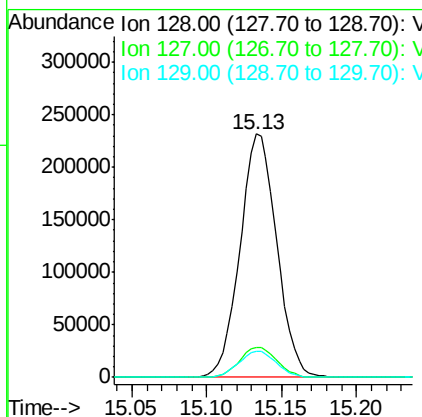
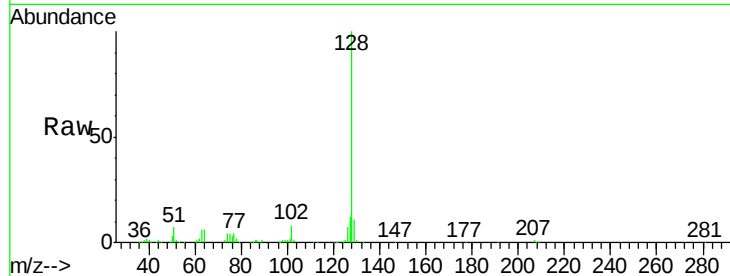
#91
Naphthalene
Concen: 20.338 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	395315		
127	12.7	9.9	14.9	
129	11.0	8.5	12.7	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 20.743 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052597.D
Acq: 30 Nov 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	183991		
182	95.6	0.0	196.2	
145	29.8	0.0	62.2	

