

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112818\
 Data File : VN052512.D
 Acq On : 28 Nov 2018 11:50
 Operator : MD\SY
 Sample : VN1128MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 9:34:07 AM

Quant Time: Nov 29 00:26:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1077417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1678647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1478149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	669242	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	595285	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.59	113	530197	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.09	98	2076228	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.40	95	701104	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	192834	19.115	ug/l	98
3) Chloromethane	2.06	50	261428	19.632	ug/l	98
4) Vinyl Chloride	2.19	62	259126	18.943	ug/l	99
5) Bromomethane	2.58	94	151555	17.757	ug/l	100
6) Chloroethane	2.71	64	154418	18.636	ug/l	98
7) Trichlorofluoromethane	3.02	101	328989	19.579	ug/l	98
8) Diethyl Ether	3.41	74	126909	20.452	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	211099	20.134	ug/l	99
10) Methyl Iodide	3.96	142	267891	19.183	ug/l	98
11) Tert butyl alcohol	4.78	59	56178	95.656	ug/l	99
12) 1,1-Dichloroethene	3.74	96	200735	19.889	ug/l	98
13) Acrolein	3.61	56	84073	104.159	ug/l	97
14) Allyl chloride	4.33	41	328593	18.891	ug/l	95
15) Acrylonitrile	4.99	53	365285	98.257	ug/l	99
16) Acetone	3.82	43	269062	86.957	ug/l	96
17) Carbon Disulfide	4.06	76	573767	18.065	ug/l	99
18) Methyl Acetate	4.33	43	173758	19.577	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	557662	20.767	ug/l	100
20) Methylene Chloride	4.55	84	228322	18.856	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	214994	19.945	ug/l	96
22) Diisopropyl ether	5.95	45	739081	20.228	ug/l	99
23) Vinyl Acetate	5.90	43	2280220	100.195	ug/l	99
24) 1,1-Dichloroethane	5.85	63	419716	20.119	ug/l	100
25) 2-Butanone	6.83	43	419941	95.752	ug/l	96
26) 2,2-Dichloropropane	6.82	77	284713	19.717	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	252343	20.097	ug/l	98
28) Bromochloromethane	7.19	49	175050	18.371	ug/l	97
29) Tetrahydrofuran	7.21	42	273971	96.852	ug/l	98
30) Chloroform	7.37	83	403814	19.401	ug/l	100
31) Cyclohexane	7.66	56	404615	19.818	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	328297	19.908	ug/l	99
36) 1,1-Dichloropropene	7.79	75	316222	19.949	ug/l	99
37) Ethyl Acetate	6.93	43	189278	19.565	ug/l	100
38) Carbon Tetrachloride	7.78	117	281719	19.632	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	390115	20.247	ug/l	99
40) Benzene	8.04	78	956570	20.248	ug/l	99
41) Methacrylonitrile	7.17	41	95891	18.130	ug/l	92
42) 1,2-Dichloroethane	8.12	62	288594	20.175	ug/l	98
43) Isopropyl Acetate	8.16	43	337687	20.626	ug/l	98
44) Trichloroethene	8.84	130	246564	20.376	ug/l	99
45) 1,2-Dichloropropane	9.12	63	256822	20.448	ug/l	98
46) Dibromomethane	9.21	93	139591	20.077	ug/l	98
47) Bromodichloromethane	9.40	83	296023	19.582	ug/l	98
48) Methyl methacrylate	9.20	41	171522	20.092	ug/l	98
49) 1,4-Dioxane	9.20	88	31731	358.150	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	940397	102.375	ug/l	100
52) Toluene	10.16	92	599002	21.341	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	290443	19.972	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	351459	20.167	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	201441	20.403	ug/l	100
56) Ethyl methacrylate	10.43	69	259344	20.591	ug/l	99
57) 1,3-Dichloropropane	10.71	76	354947	20.360	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	706839	98.662	ug/l	99
59) 2-Hexanone	10.75	43	622549	100.980	ug/l	100
60) Dibromochloromethane	10.90	129	211241	19.699	ug/l	100
61) 1,2-Dibromoethane	11.01	107	199150	20.309	ug/l	100
64) Tetrachloroethene	10.63	164	230993	20.156	ug/l	99
65) Chlorobenzene	11.43	112	627815	20.598	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	211157	19.925	ug/l	98
67) Ethyl Benzene	11.51	91	1118159	20.949	ug/l	100
68) m/p-Xylenes	11.62	106	857068	43.134	ug/l	99
69) o-Xylene	11.95	106	415496	21.533	ug/l	100
70) Styrene	11.96	104	655661	21.334	ug/l	100
71) Bromoform	12.13	173	140292	19.993	ug/l #	99
73) Isopropylbenzene	12.25	105	1084599	20.657	ug/l	99
74) N-amyl acetate	12.07	43	284771	21.468	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	239478	20.050	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	204795m	19.844	ug/l	
77) Bromobenzene	12.53	156	275462	21.225	ug/l	96
78) n-propylbenzene	12.59	91	1232292	20.659	ug/l	100
79) 2-Chlorotoluene	12.68	91	724490	20.396	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	883956	21.109	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55626	18.000	ug/l	92
82) 4-Chlorotoluene	12.77	91	730926	20.417	ug/l	100
83) tert-Butylbenzene	12.99	119	770242	20.632	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	929325	22.144	ug/l	100
85) sec-Butylbenzene	13.17	105	1034007	20.335	ug/l	99
86) p-Isopropyltoluene	13.29	119	890411	20.560	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	464770	20.473	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	450718	20.156	ug/l	99
89) n-Butylbenzene	13.62	91	740954	20.572	ug/l	99
90) Hexachloroethane	13.88	117	137692	18.777	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	450298	20.762	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33850	19.815	ug/l	97

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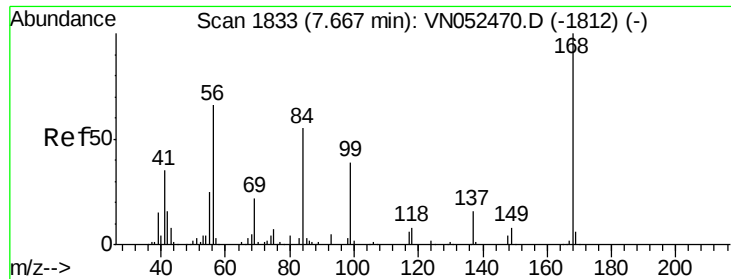
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	227482	20.892	ug/l	99
94) Hexachlorobutadiene	15.01	225	138372	19.831	ug/l	99
95) Naphthalene	15.14	128	541434	23.443	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	214914	21.327	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion:168 Resp: 1077417

Ion Ratio Lower Upper

168 100

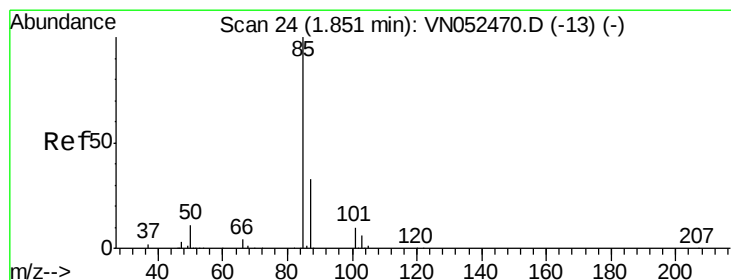
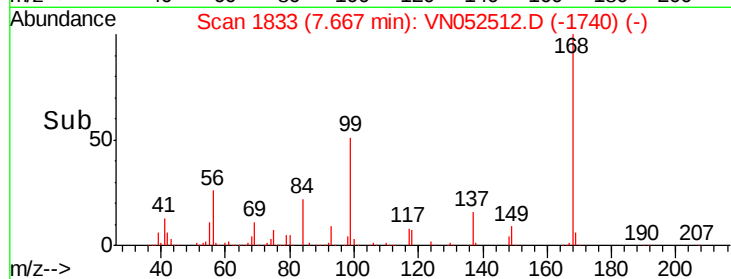
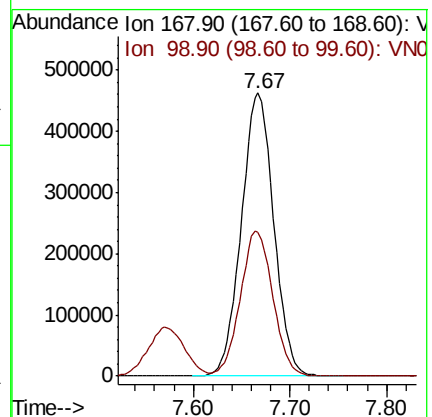
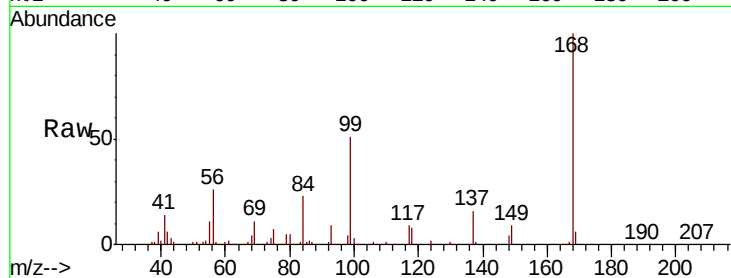
99 50.6 41.7 62.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.115 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052512.D

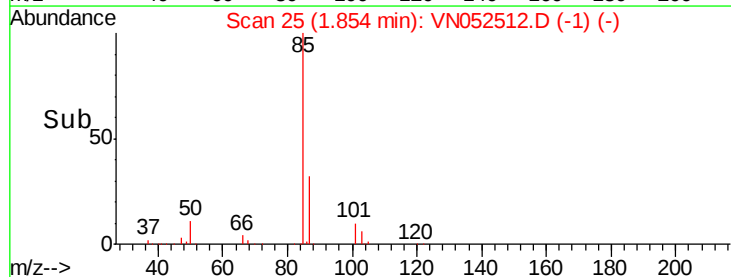
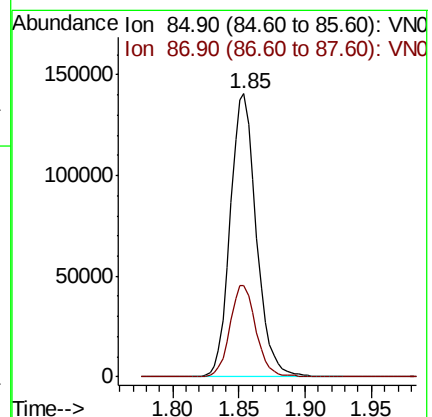
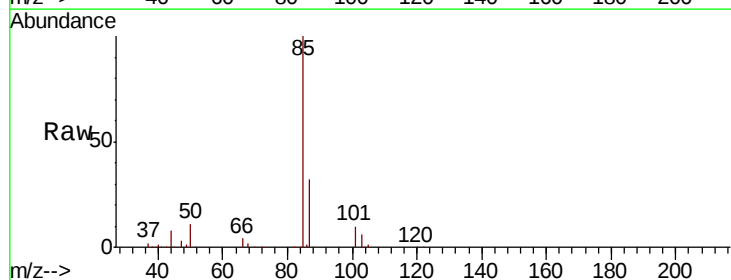
Acq: 28 Nov 2018 11:50

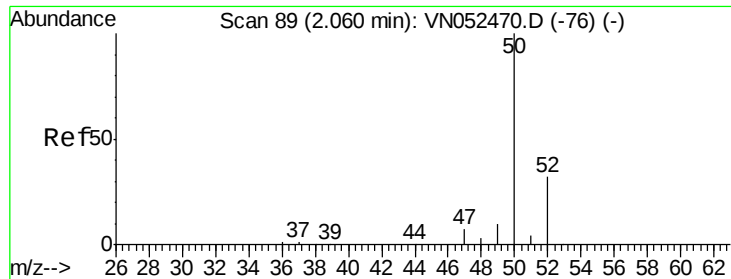
Tgt Ion: 85 Resp: 192834

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.1





#3

Chloromethane

Concen: 19.632 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion: 50 Resp: 261428

Ion Ratio Lower Upper

50 100

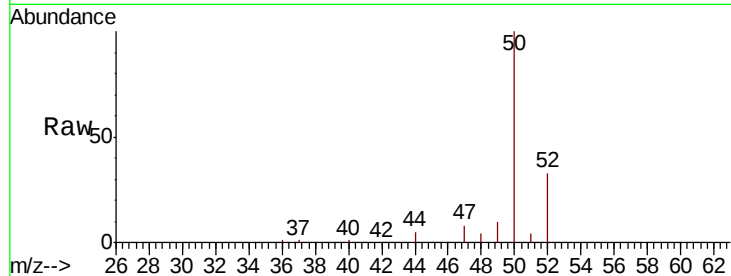
52 33.5 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN052512.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN052512.D (-1) (-)

200000

150000

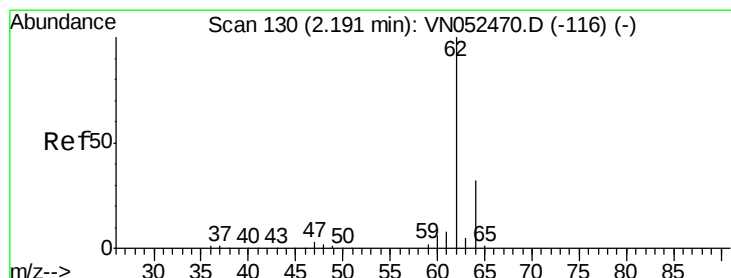
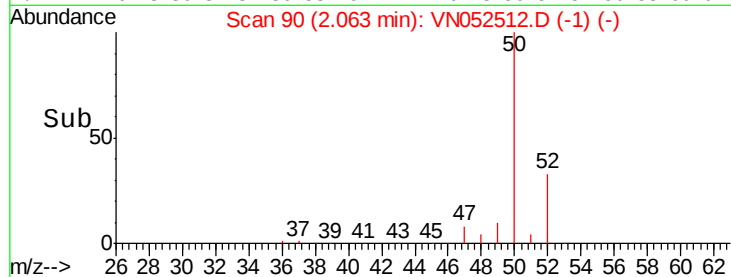
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 18.943 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052512.D

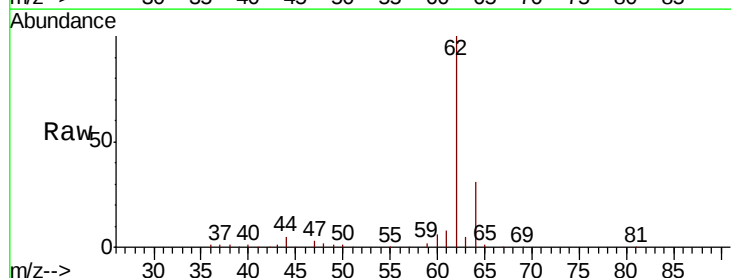
Acq: 28 Nov 2018 11:50

Tgt Ion: 62 Resp: 259126

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN052512.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VN052512.D (-37) (-)

200000

150000

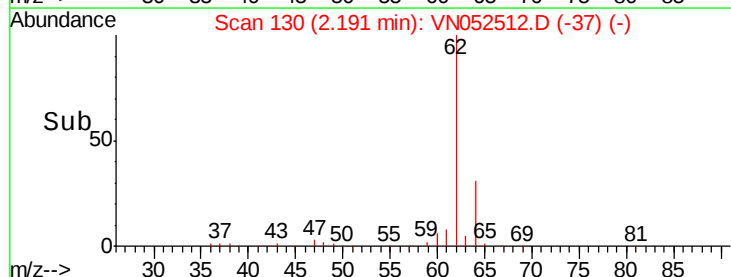
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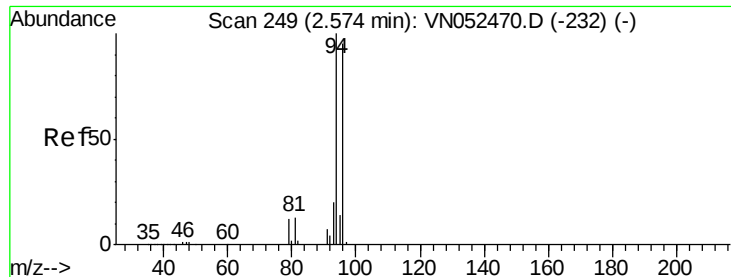
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 17.757 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion: 94 Resp: 151555

Ion Ratio Lower Upper

94 100

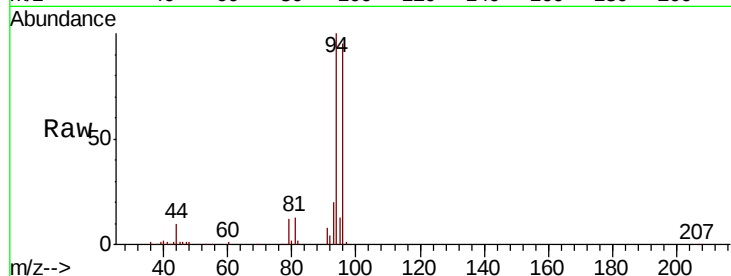
96 95.2 75.8 113.8

Manual Integrations

APPROVED

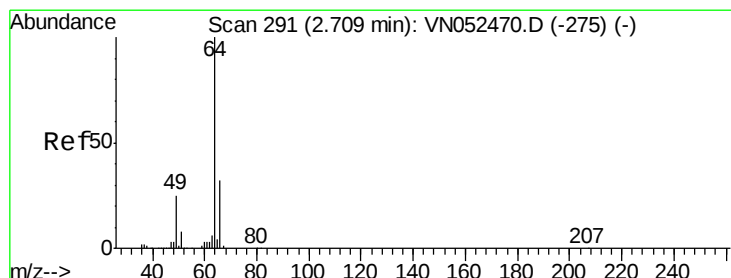
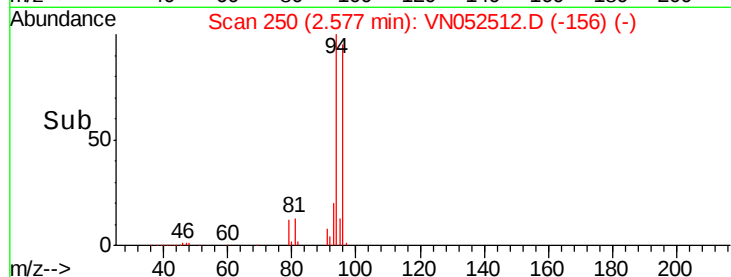
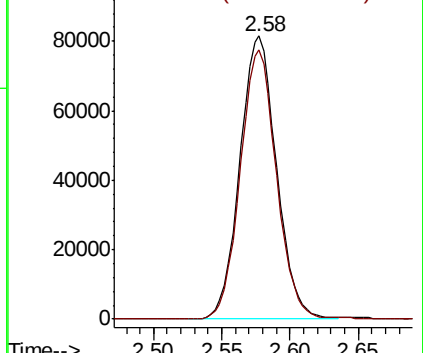
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11/29/2018 9:34:07 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.636 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052512.D

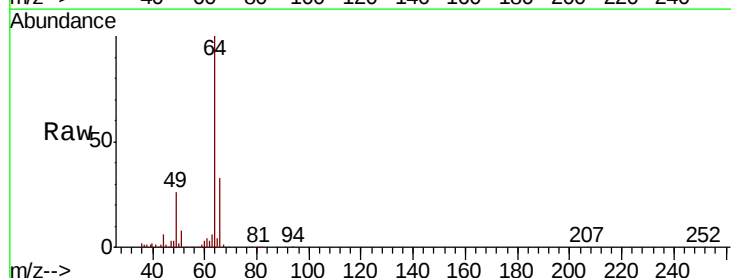
Acq: 28 Nov 2018 11:50

Tgt Ion: 64 Resp: 154418

Ion Ratio Lower Upper

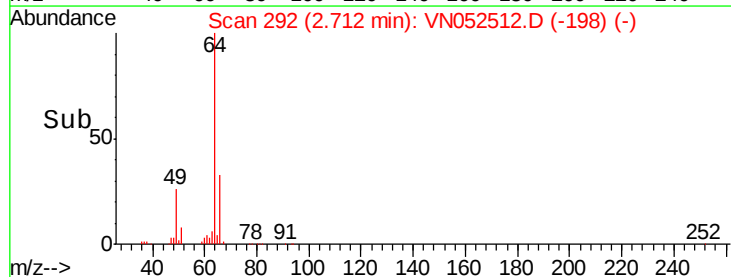
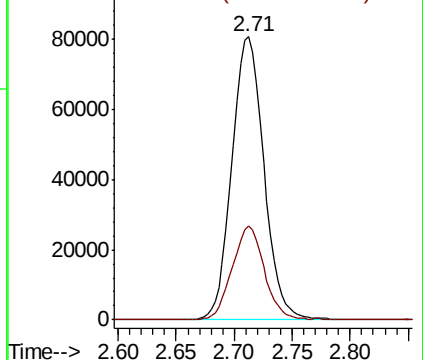
64 100

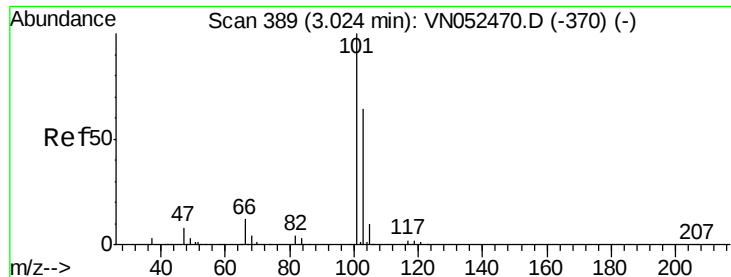
66 33.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

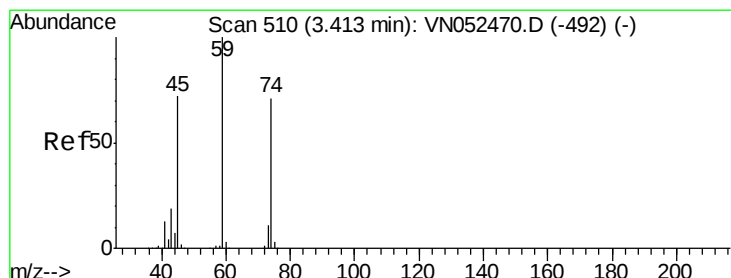
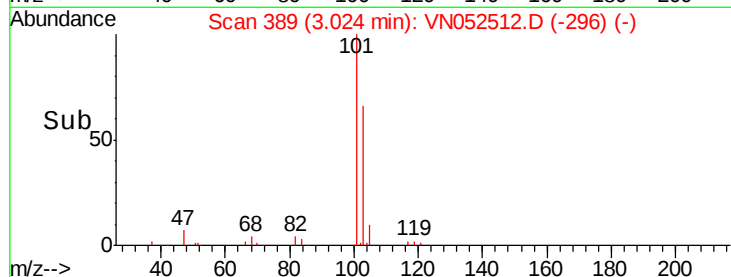
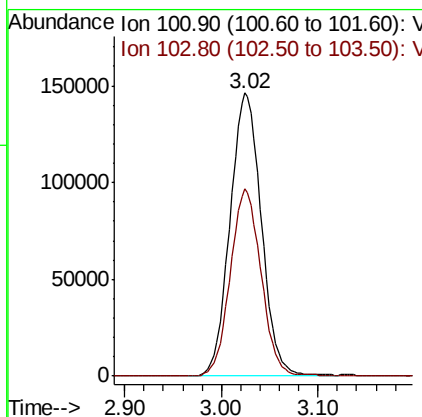
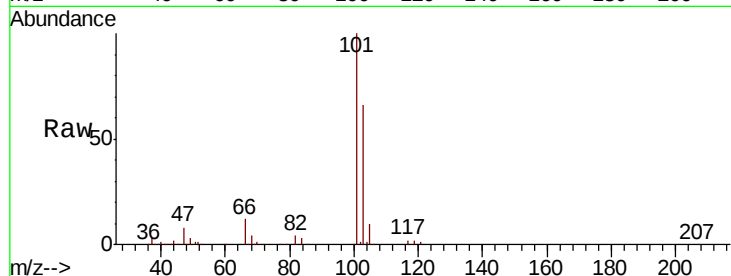
Trichlorofluoromethane
Concen: 19.579 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
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VN1128MBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.4	77.2

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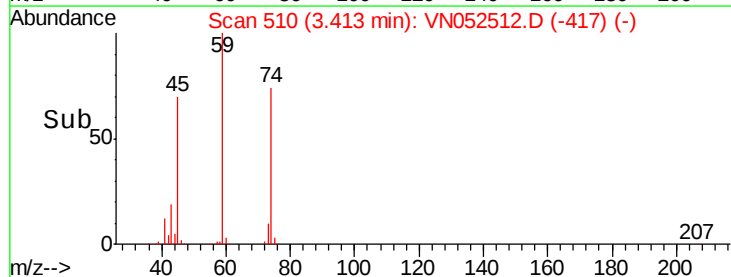
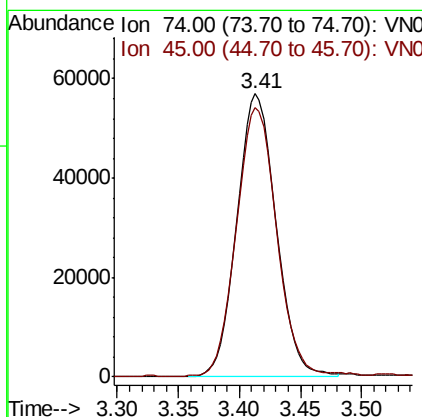
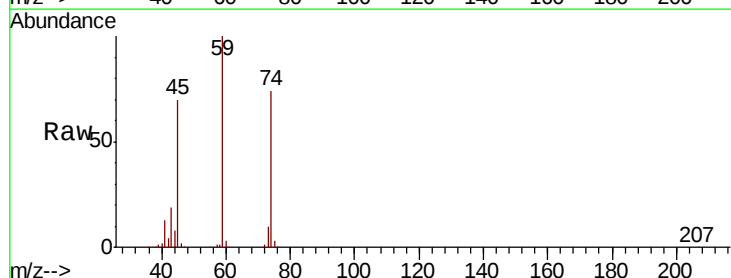
MMDadoda
11/29/2018 9:34:07 AM

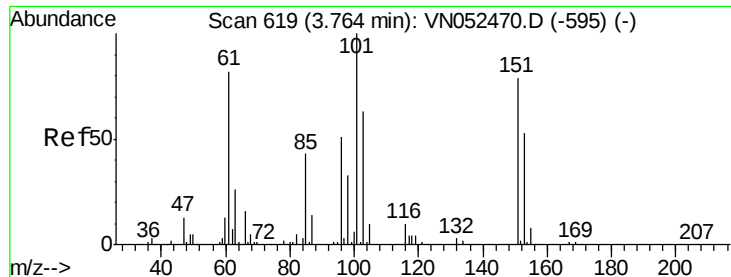


#8

Diethyl Ether
Concen: 20.452 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.134 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

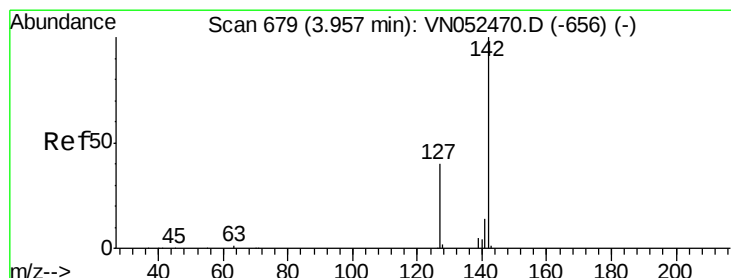
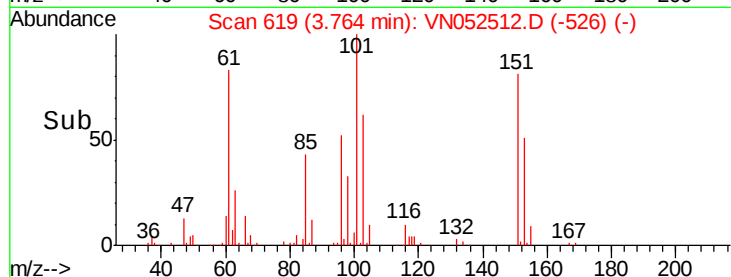
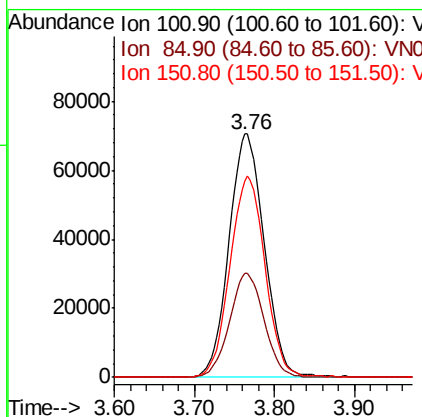
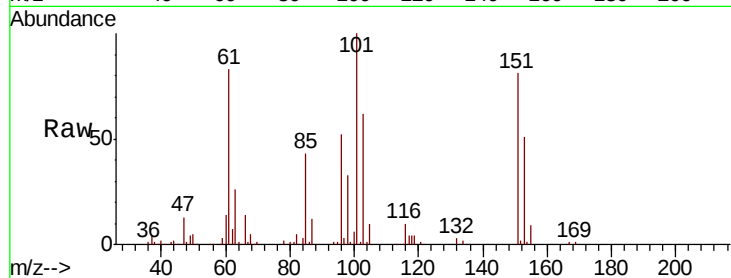
ClientSampleId :

VN1128MBS01

Tgt Ion:	101	Resp:	211099
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.4
151	81.8	64.6	96.8

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#10

Methyl Iodide

Concen: 19.183 ug/l

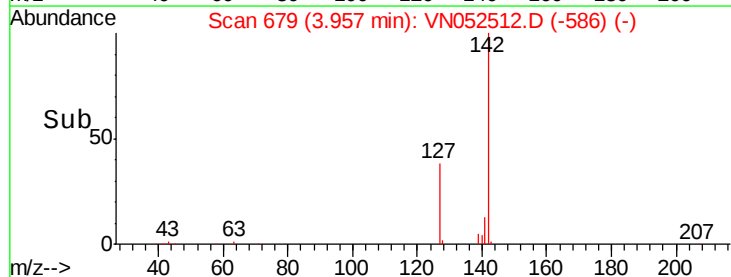
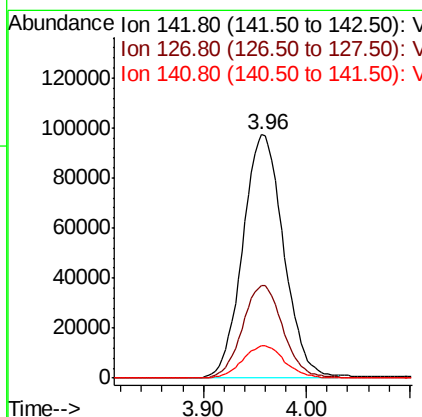
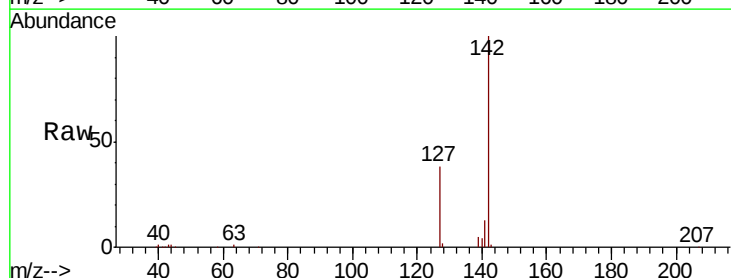
RT: 3.96 min Scan# 679

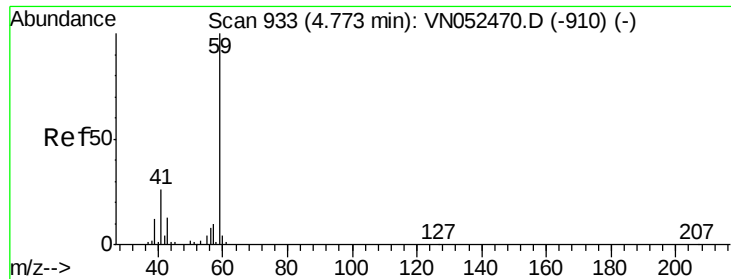
Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Tgt Ion:	142	Resp:	267891
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.8	47.6
141	13.8	11.4	17.0





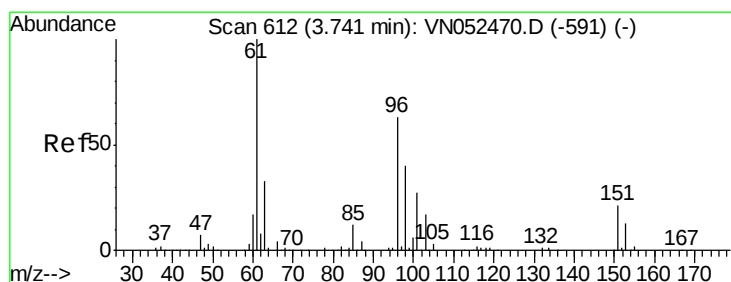
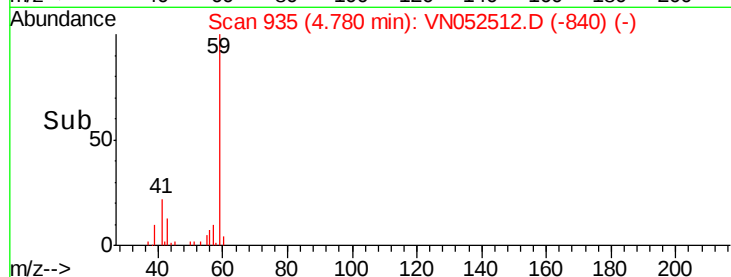
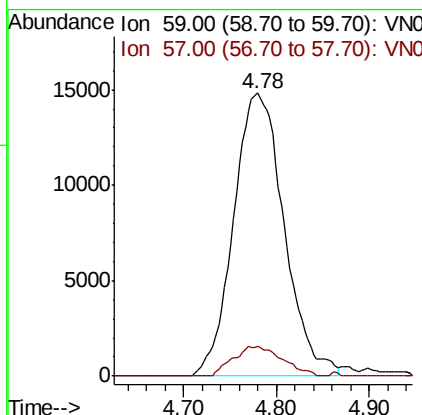
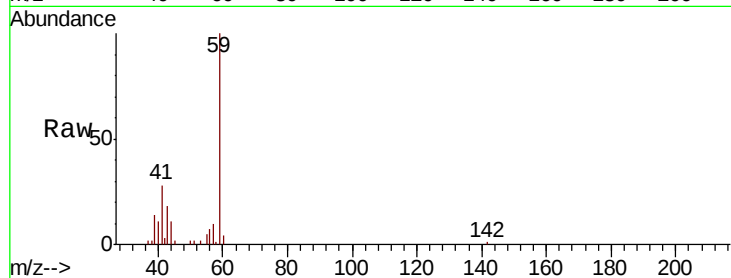
#11
Tert butyl alcohol
Concen: 95.656 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion: 59 Resp: 56178
Ion Ratio Lower Upper
59 100
57 10.3 7.9 11.9

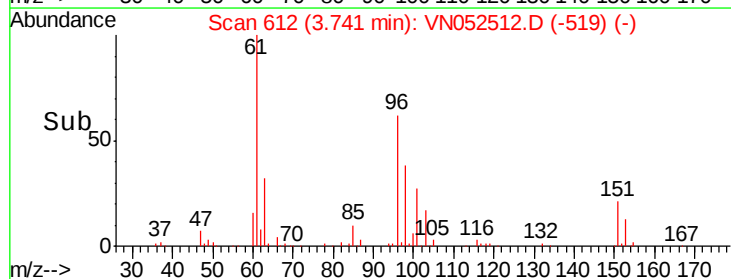
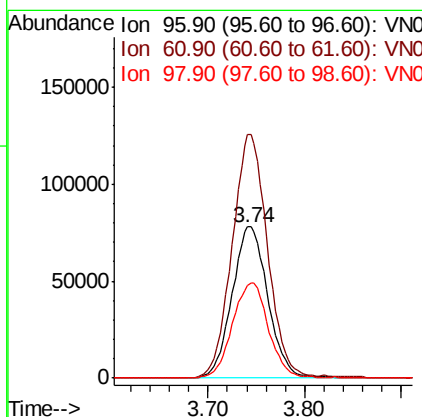
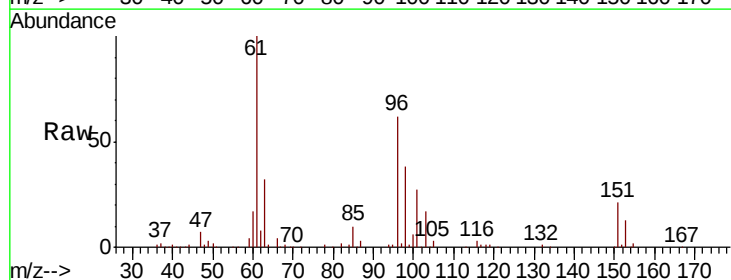
Manual Integrations
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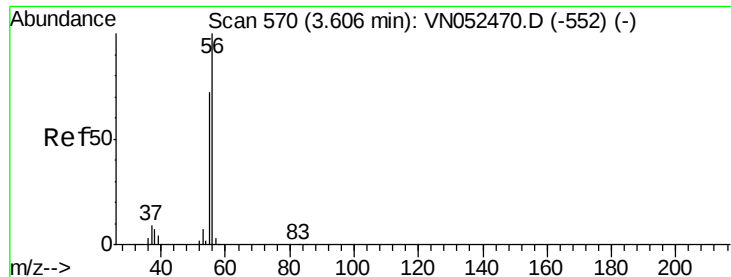
MMDadoda
11/29/2018 9:34:07 AM



#12
1,1-Dichloroethene
Concen: 19.889 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion: 96 Resp: 200735
Ion Ratio Lower Upper
96 100
61 160.5 127.0 190.6
98 61.3 50.3 75.5





#13

Acrolein

Concen: 104.159 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion: 56 Resp: 84073

Ion Ratio Lower Upper

56 100

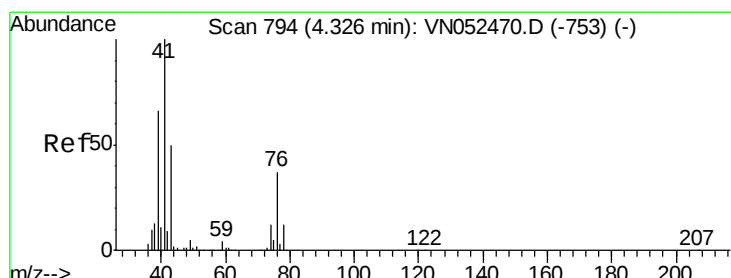
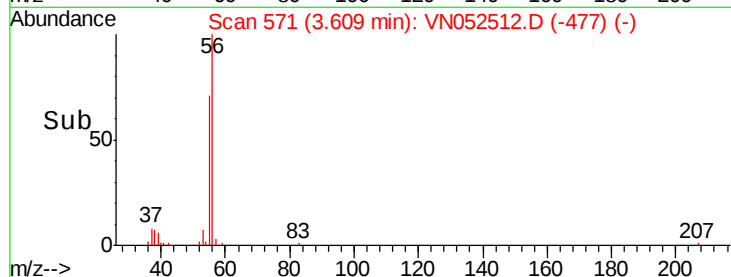
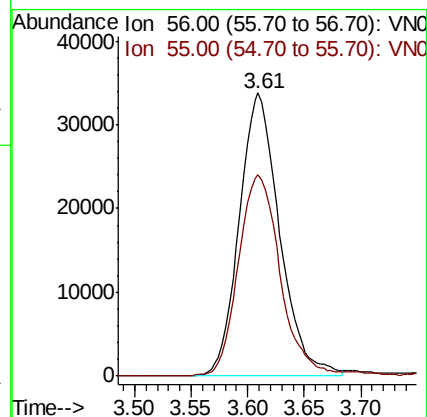
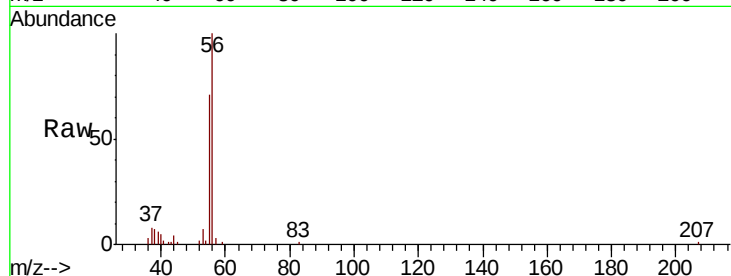
55 73.3 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 18.891 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

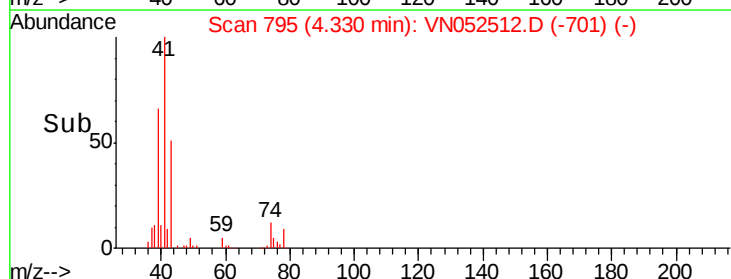
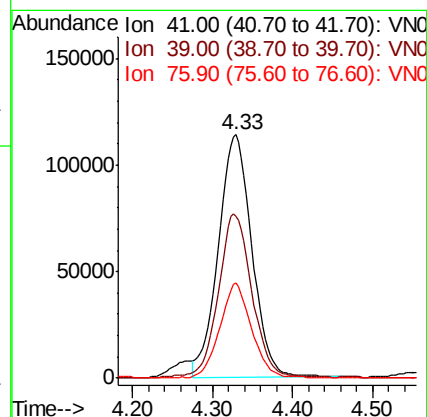
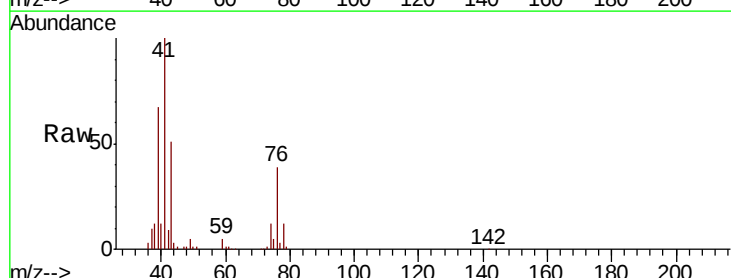
Tgt Ion: 41 Resp: 328593

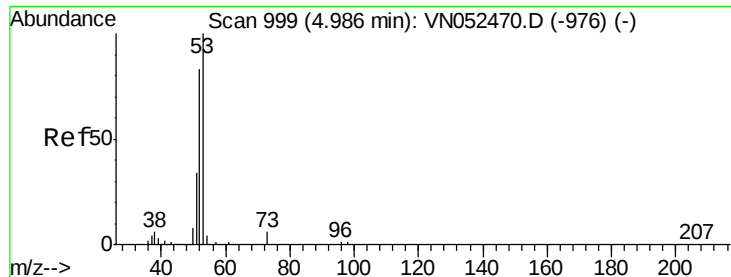
Ion Ratio Lower Upper

41 100

39 68.5 50.6 76.0

76 35.8 27.4 41.2





#15

Acrylonitrile

Concen: 98.257 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

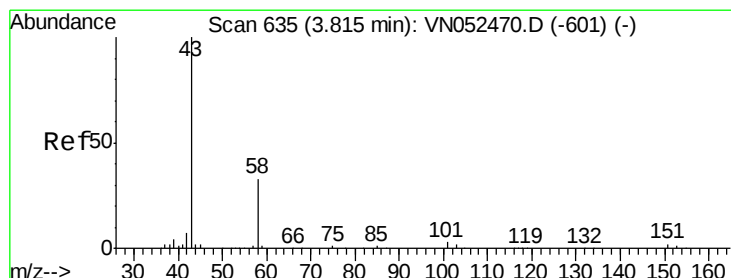
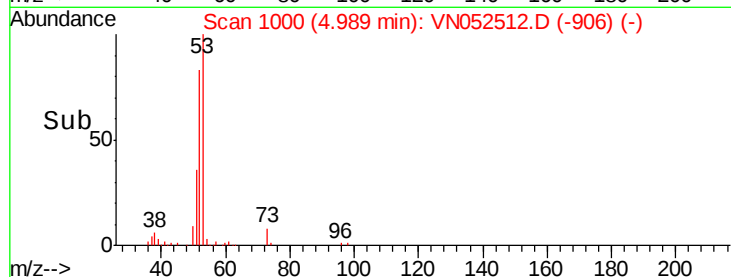
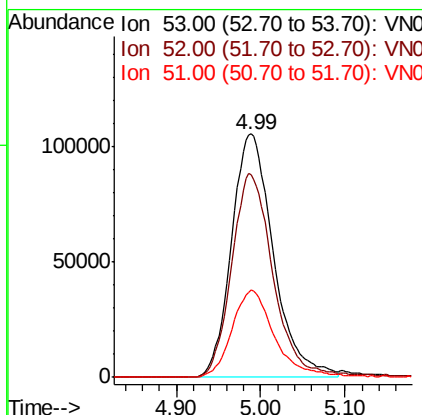
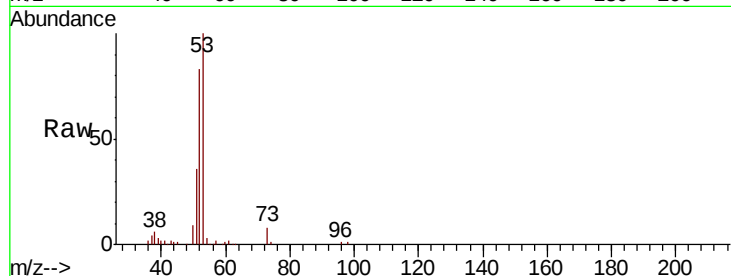
ClientSampleId :

VN1128MBS01

Tgt Ion:	53	Resp:	365285
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.2
51	36.5	28.1	42.1

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#16

Acetone

Concen: 86.957 ug/l

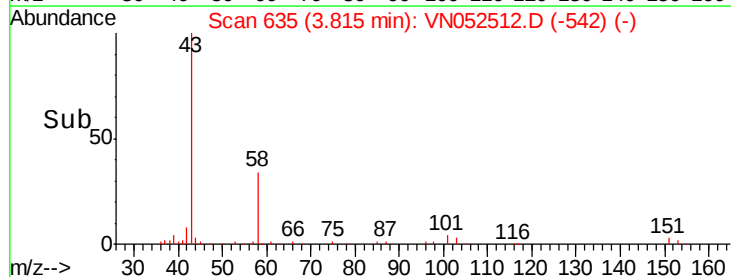
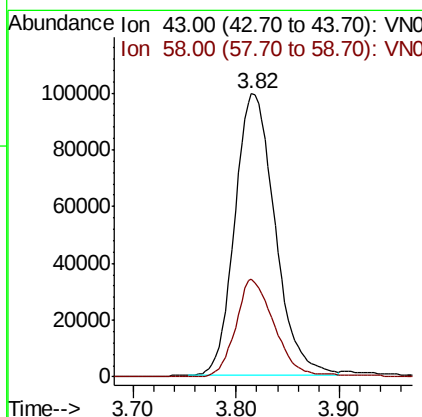
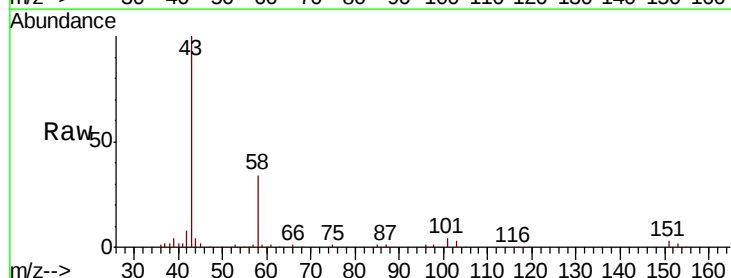
RT: 3.82 min Scan# 635

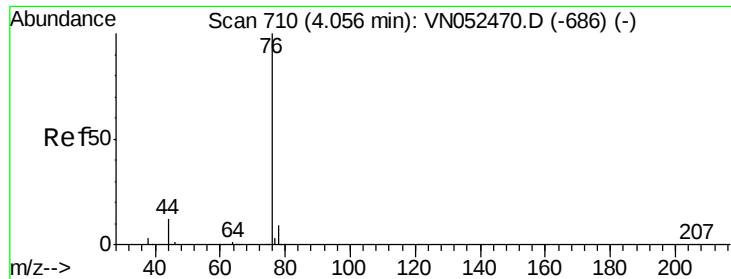
Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Tgt Ion:	43	Resp:	269062
Ion	Ratio	Lower	Upper
43	100		
58	34.5	26.0	39.0





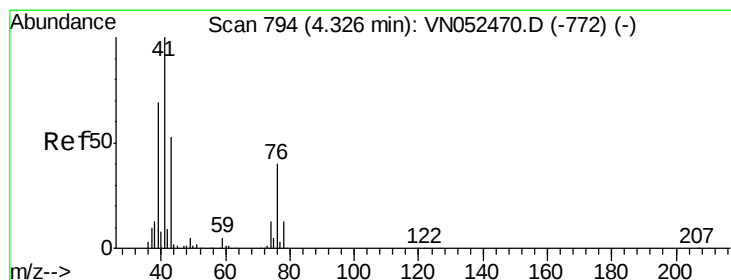
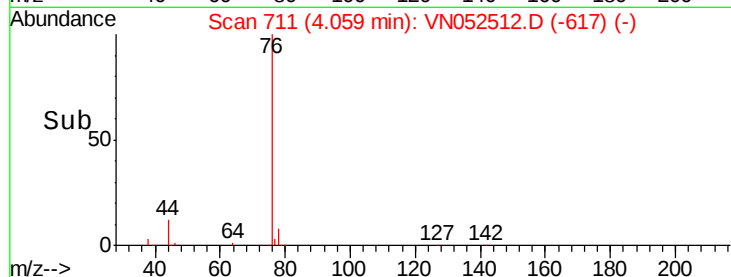
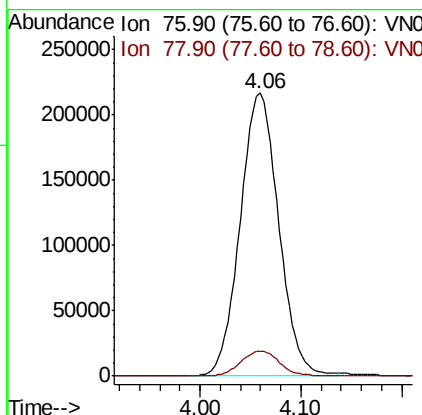
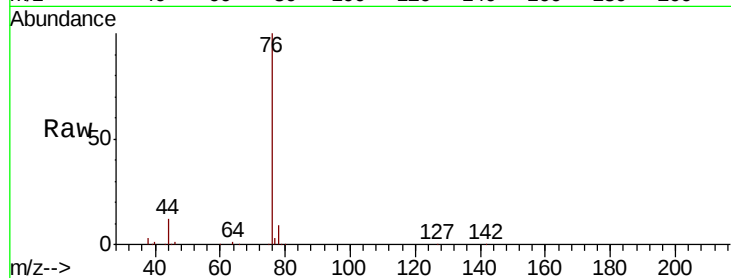
#17
Carbon Disulfide
Concen: 18.065 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion: 76 Resp: 573767
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

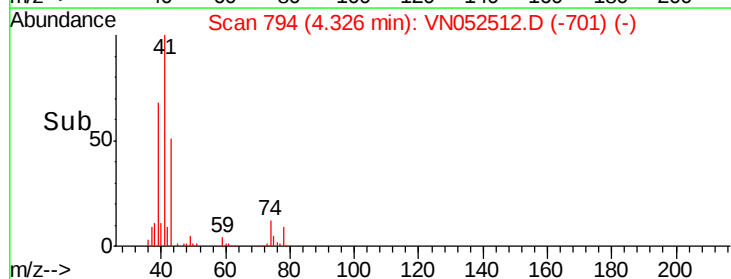
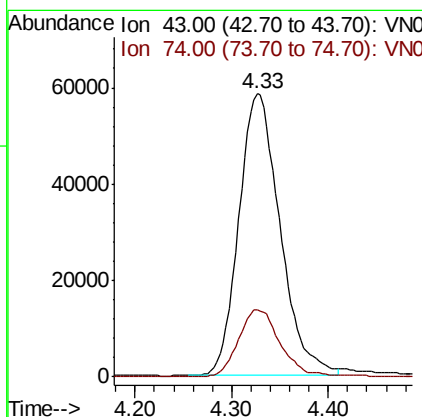
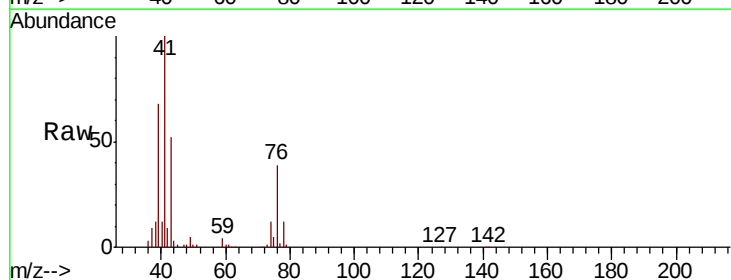
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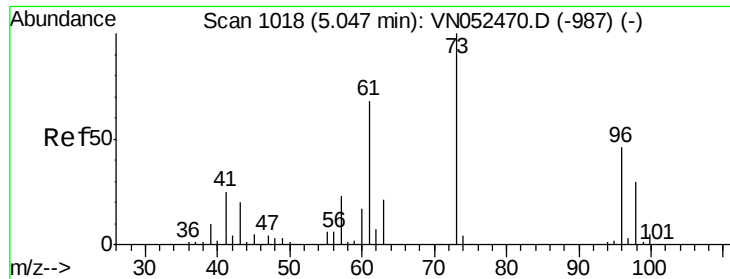
MMDadoda
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#18
Methyl Acetate
Concen: 19.577 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion: 43 Resp: 173758
Ion Ratio Lower Upper
43 100
74 24.0 18.6 27.8





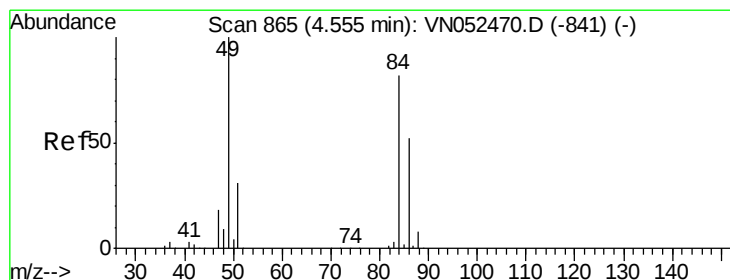
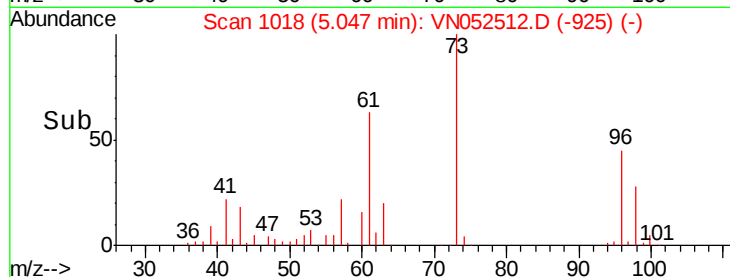
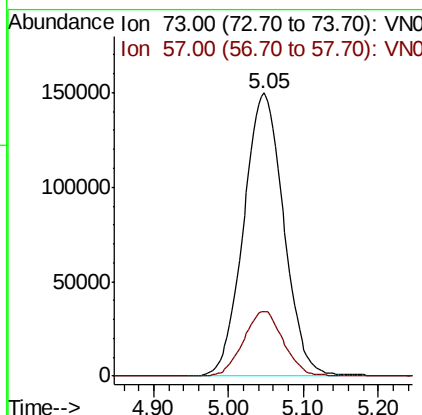
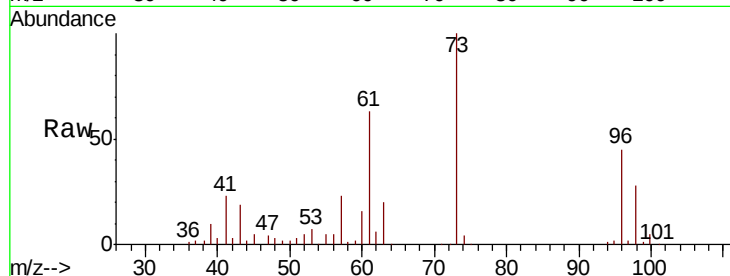
#19
Methyl tert-butyl Ether
Concen: 20.767 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion: 73 Resp: 557662
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.2

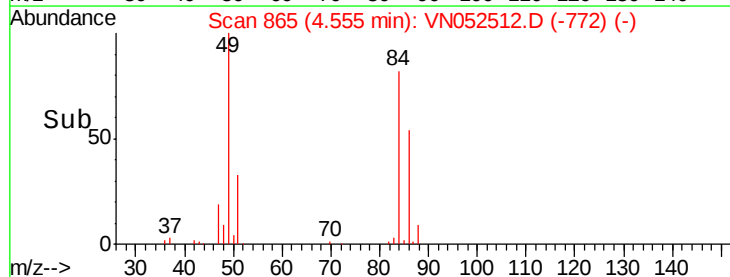
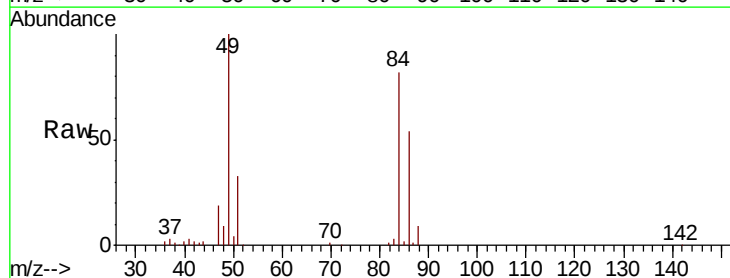
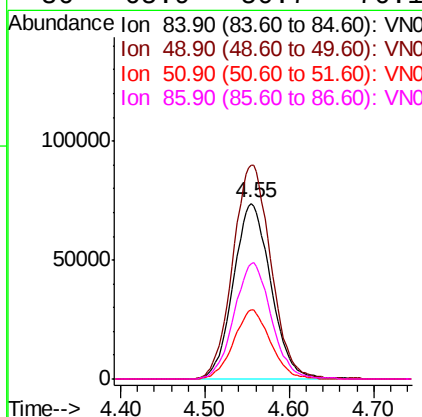
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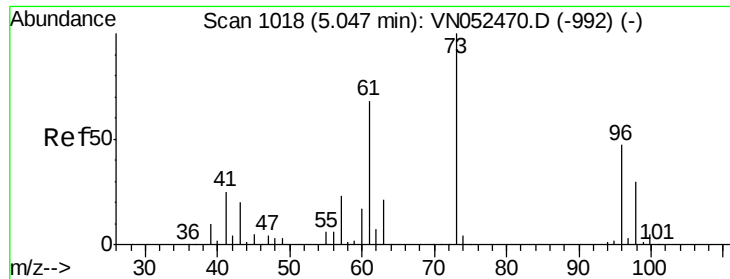
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11/29/2018 9:34:07 AM



#20
Methylene Chloride
Concen: 18.856 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion: 84 Resp: 228322
Ion Ratio Lower Upper
84 100
49 121.7 98.0 147.0
51 39.6 30.1 45.1
86 65.9 50.7 76.1





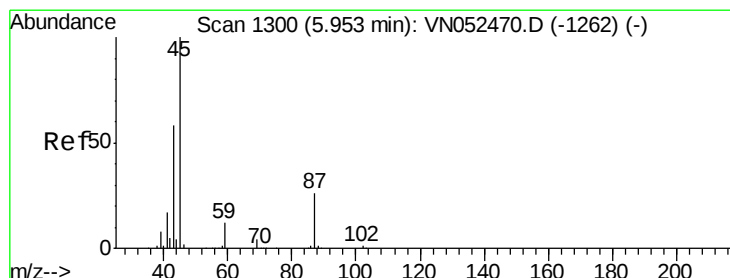
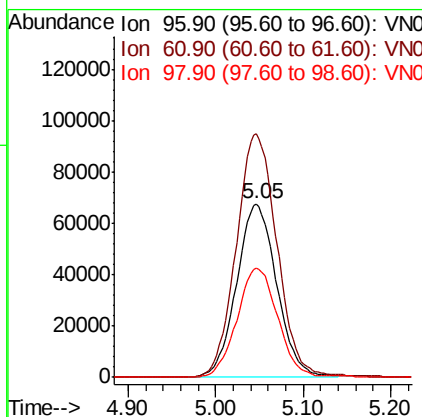
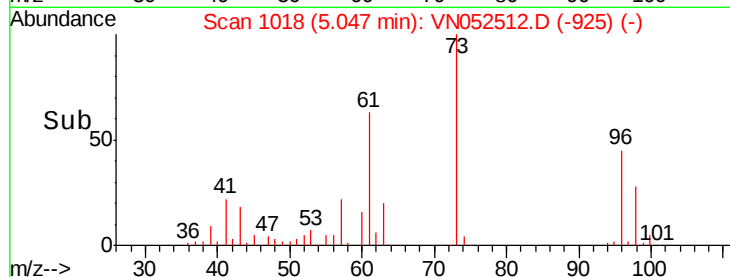
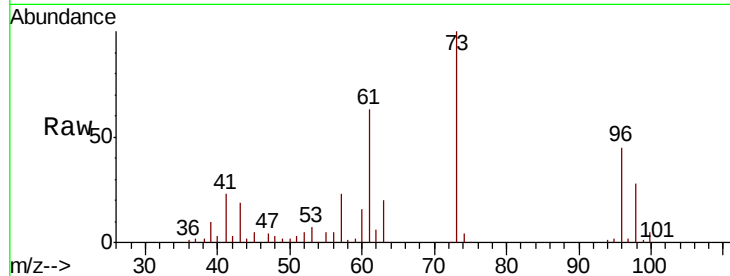
#21
trans-1,2-Dichloroethene
Concen: 19.945 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.4	117.0	175.4
98	62.8	51.8	77.6

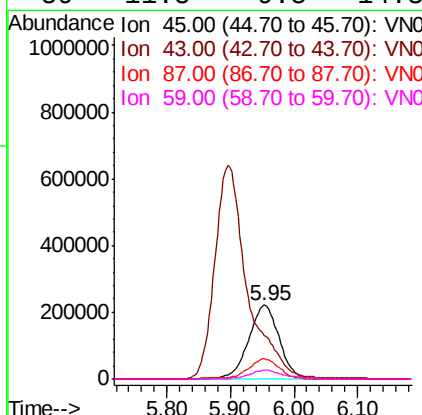
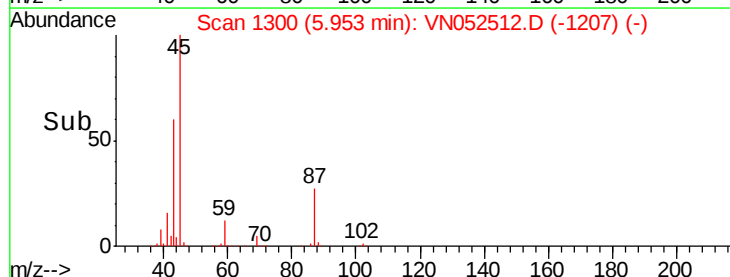
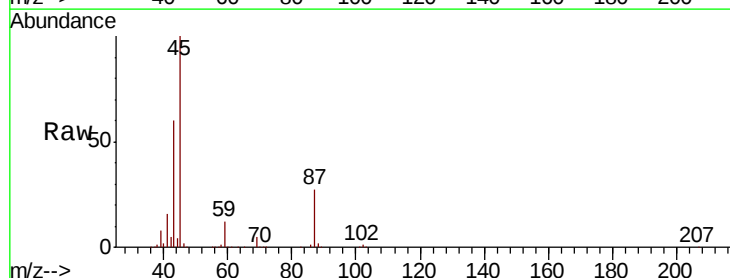
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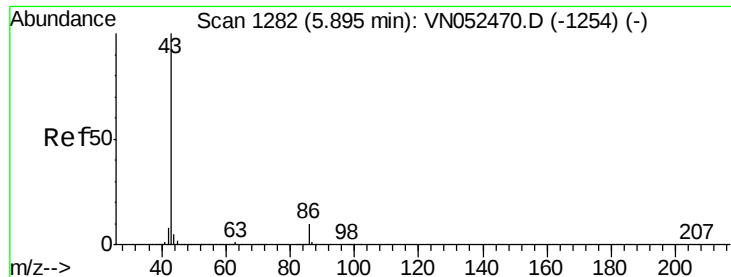
MMDadoda
11/29/2018 9:34:07 AM



#22
Diisopropyl ether
Concen: 20.228 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.6	46.1	69.1
87	26.9	21.3	31.9
59	11.5	9.5	14.3





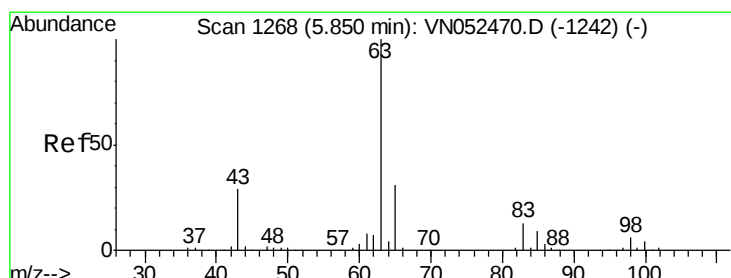
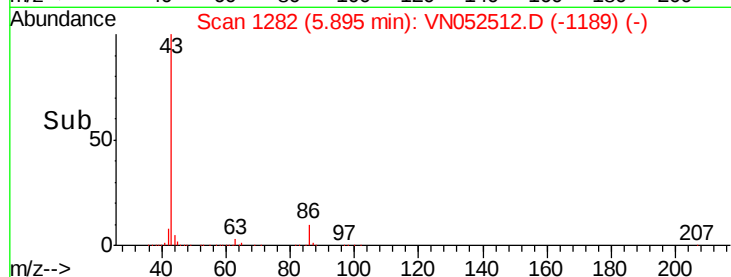
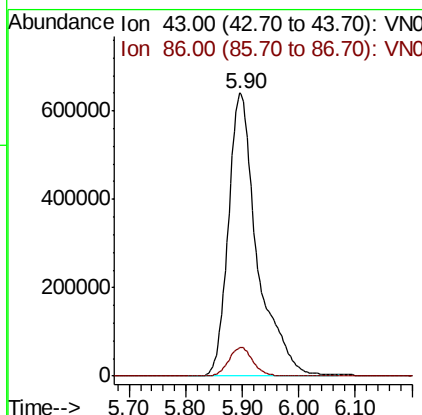
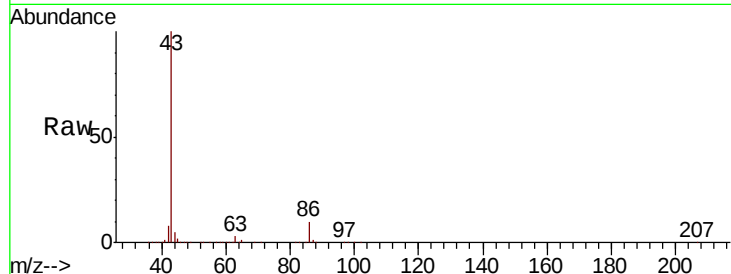
#23
 Vinyl Acetate
 Concen: 100.195 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBS01

Tgt Ion: 43 Resp: 2280220
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.8

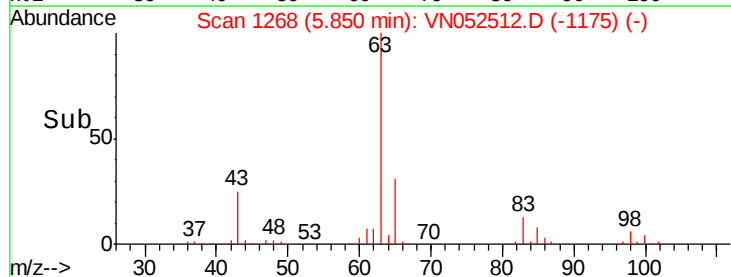
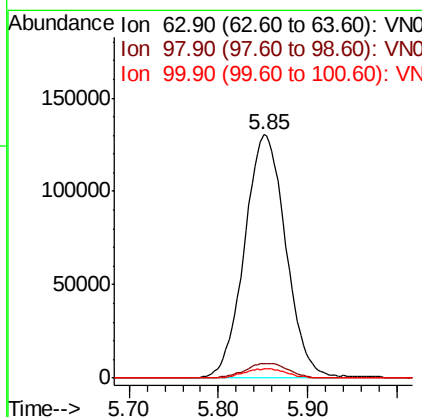
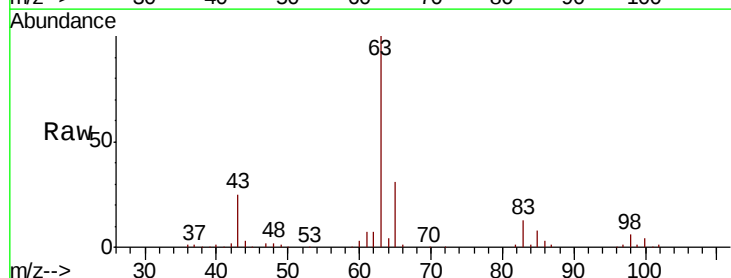
Manual Integrations
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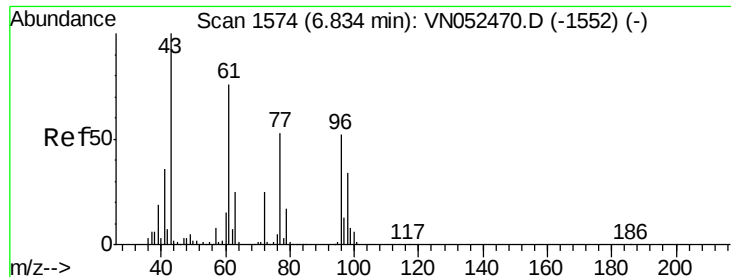
MMDadoda
 11/29/2018 9:34:07 AM



#24
 1,1-Dichloroethane
 Concen: 20.119 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Tgt Ion: 63 Resp: 419716
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 3.6 2.0 5.8





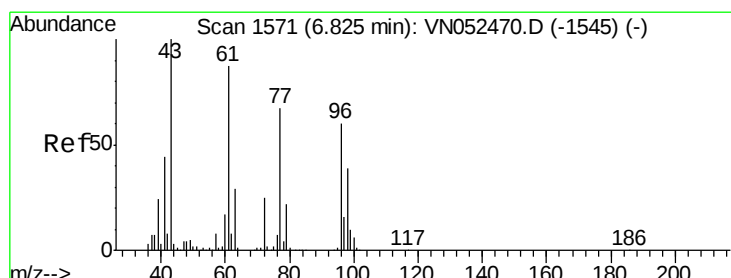
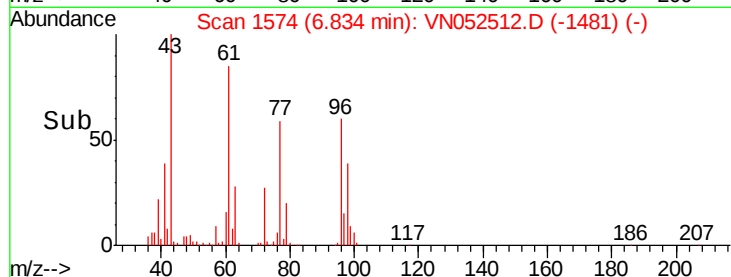
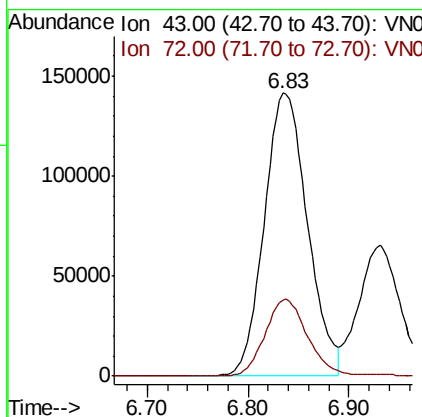
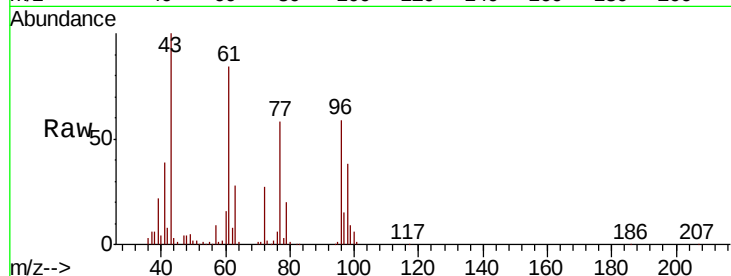
#25
2-Butanone
Concen: 95.752 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion: 43 Resp: 419941
Ion Ratio Lower Upper
43 100
72 27.1 20.1 30.1

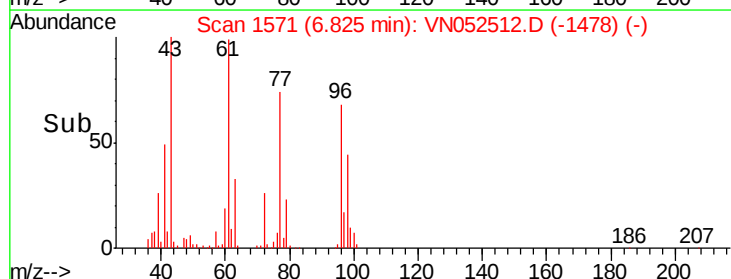
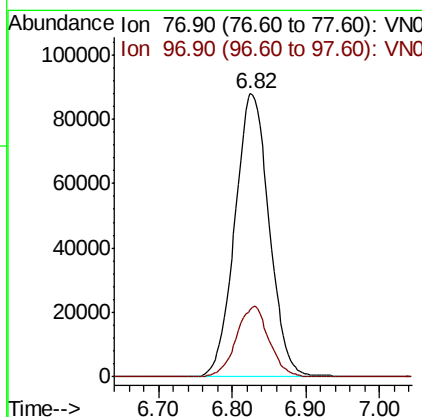
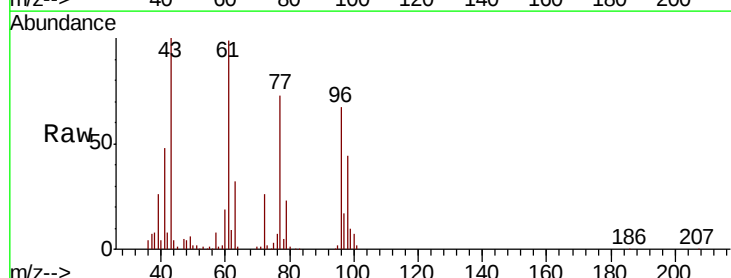
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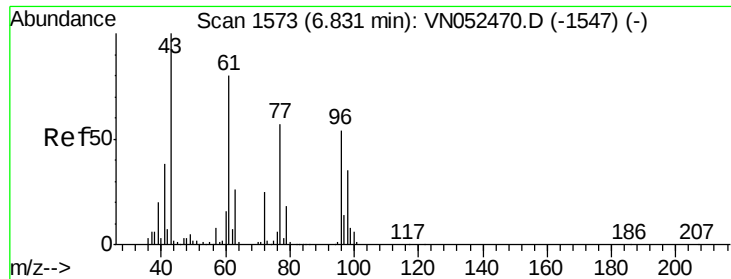
MMDadoda
11/29/2018 9:34:07 AM



#26
2,2-Dichloropropane
Concen: 19.717 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion: 77 Resp: 284713
Ion Ratio Lower Upper
77 100
97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.097 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

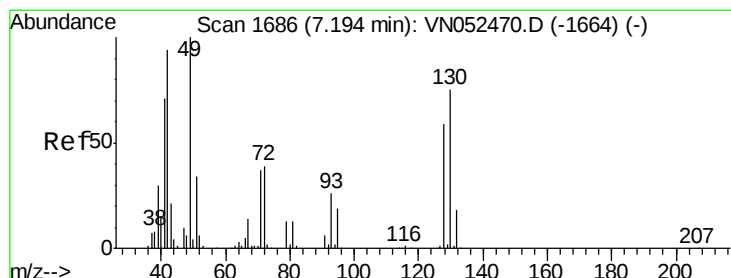
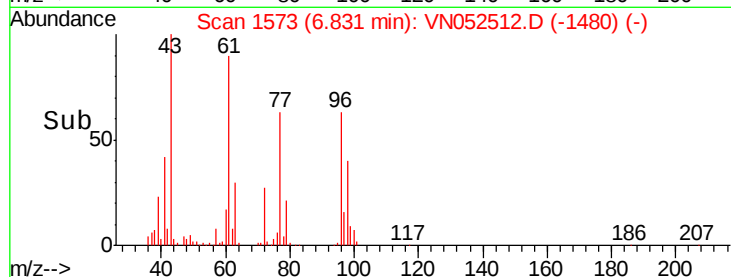
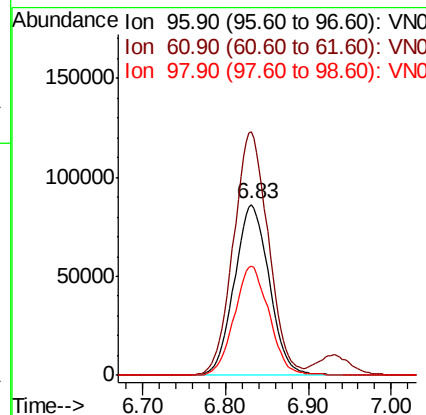
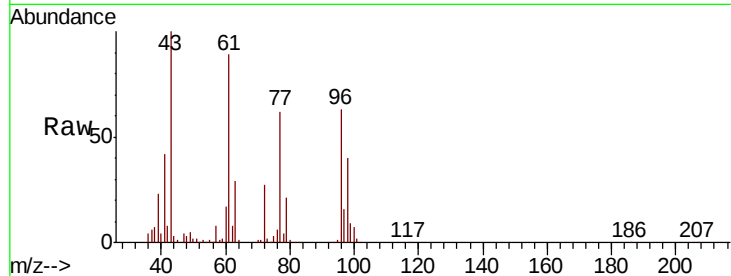
ClientSampleId :

VN1128MBS01

Tgt Ion:	96	Resp:	252343
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	291.0
98	64.1	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 18.371 ug/l

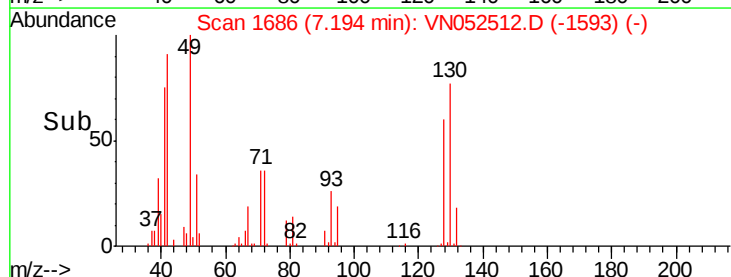
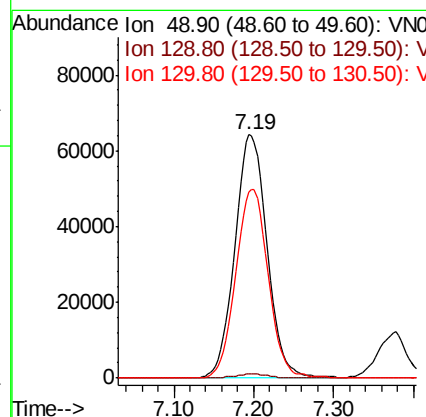
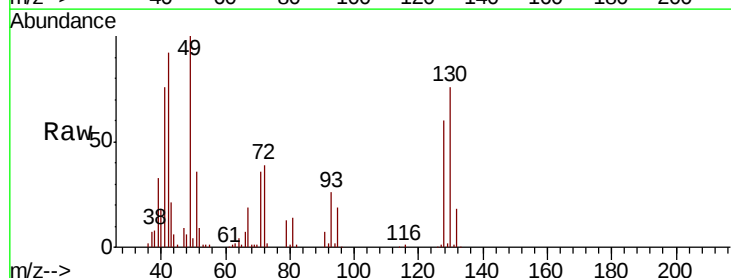
RT: 7.19 min Scan# 1686

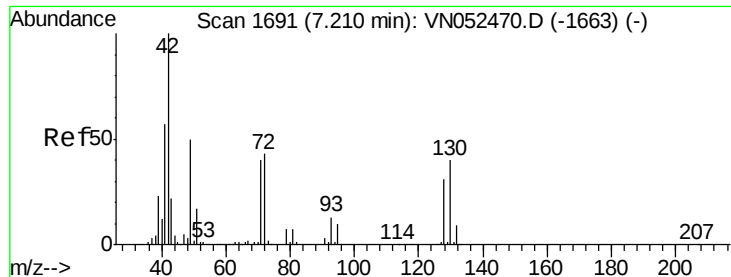
Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Tgt Ion:	49	Resp:	175050
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	77.8	60.2	90.2





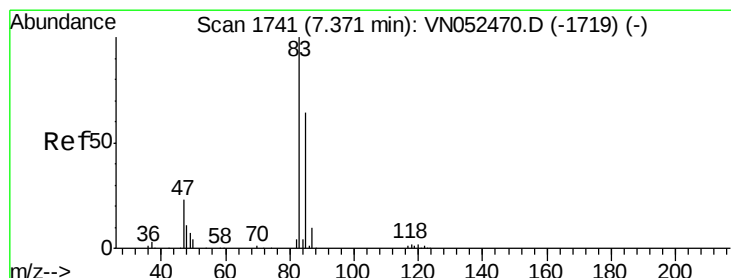
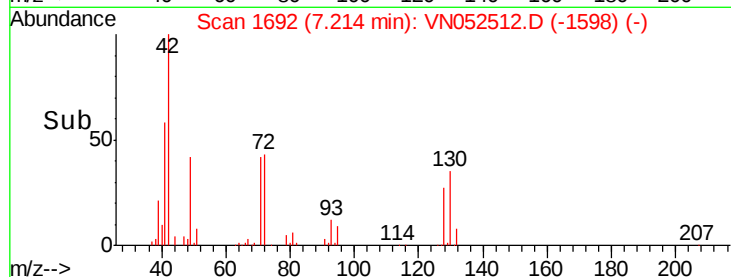
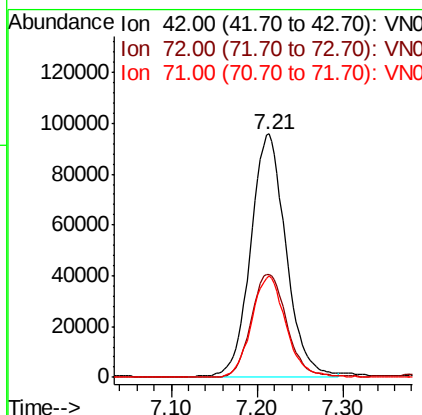
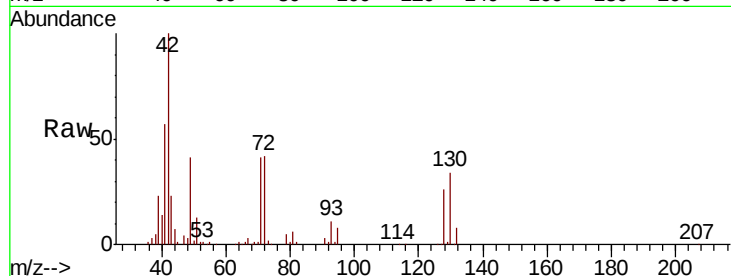
#29
Tetrahydrofuran
Concen: 96.852 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.3	49.9
71	40.8	32.0	48.0

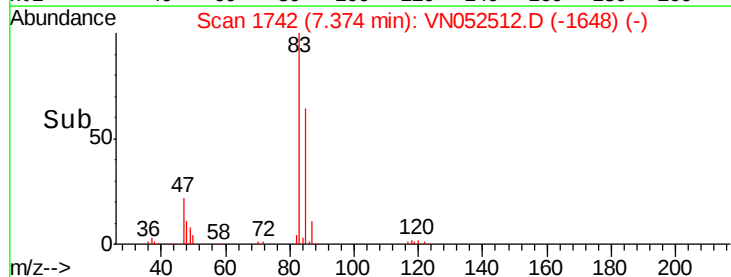
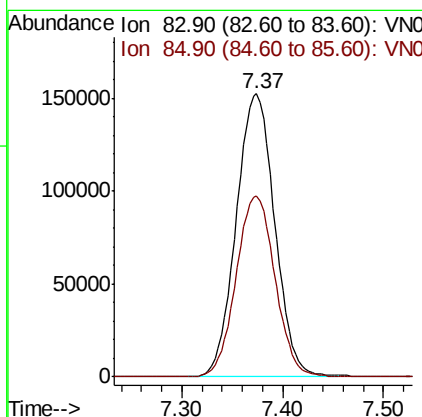
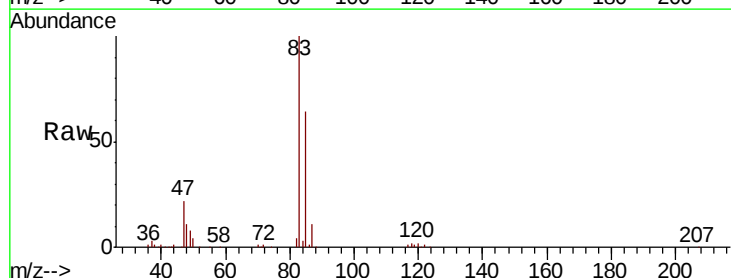
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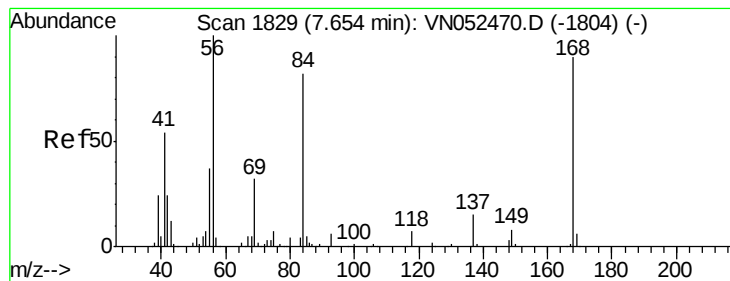
MMDadoda
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#30
Chloroform
Concen: 19.401 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.4





#31

Cyclohexane

Concen: 19.818 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion: 56 Resp: 404615
Ion Ratio Lower Upper

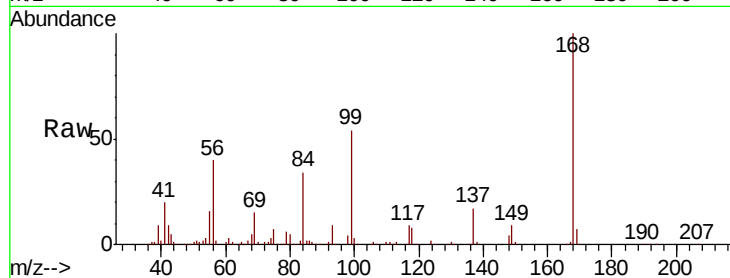
56 100

69 37.0 25.8 38.6

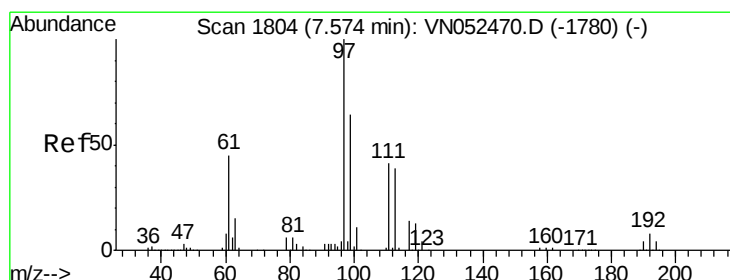
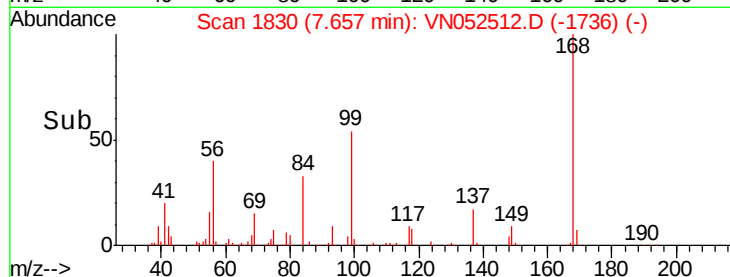
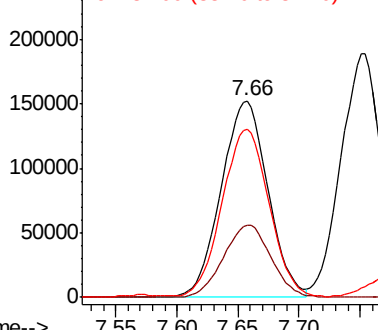
84 84.9 65.3 97.9

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 19.908 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052512.D

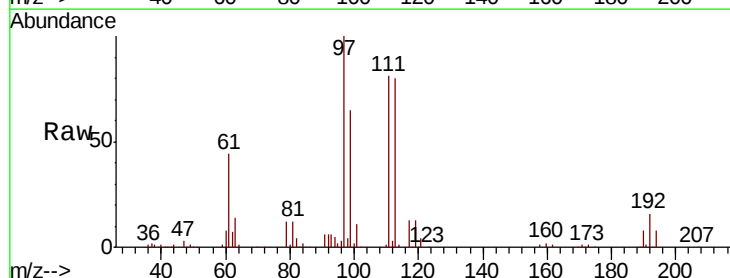
Acq: 28 Nov 2018 11:50

Tgt Ion: 97 Resp: 328297
Ion Ratio Lower Upper

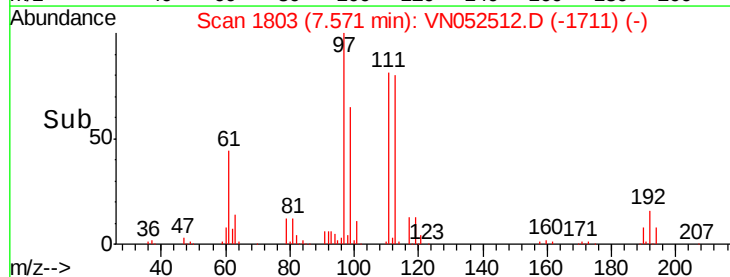
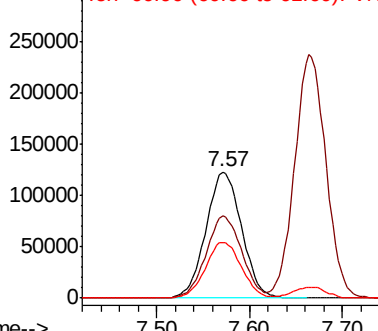
97 100

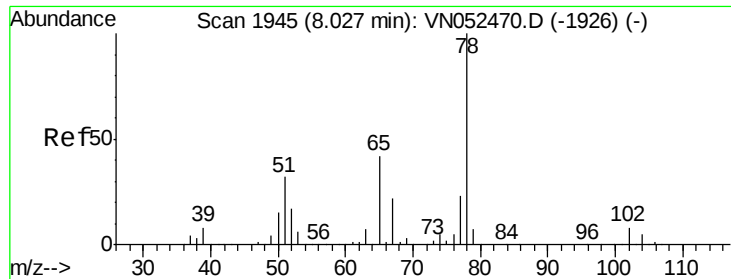
99 64.8 51.7 77.5

61 44.5 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





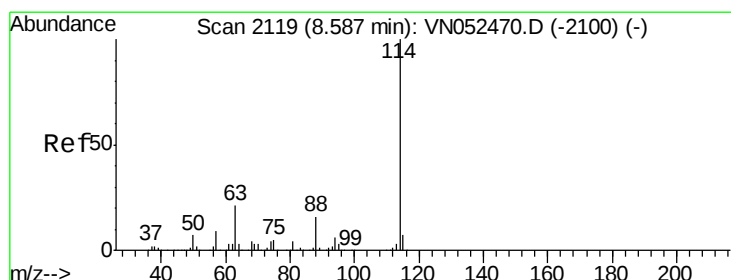
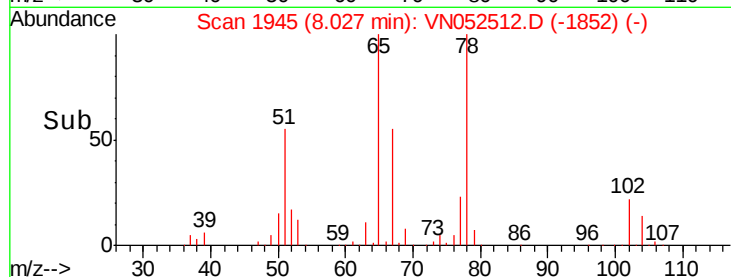
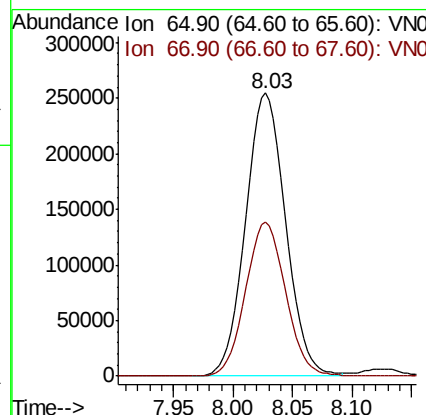
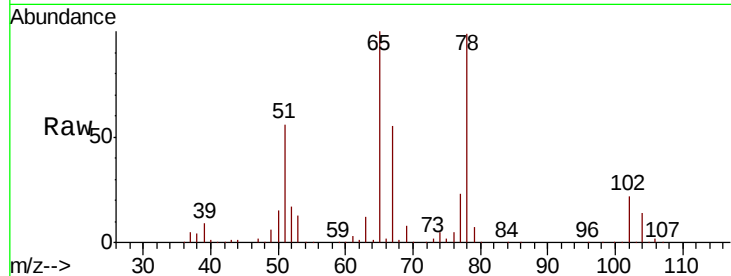
#33
 1,2-Dichloroethane-d4
 Concen: 19.908 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBS01

Tgt Ion: 65 Resp: 595285
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.8

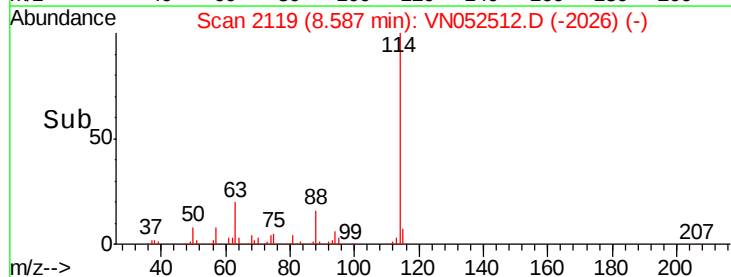
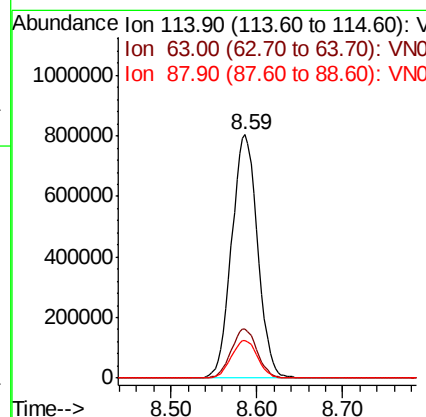
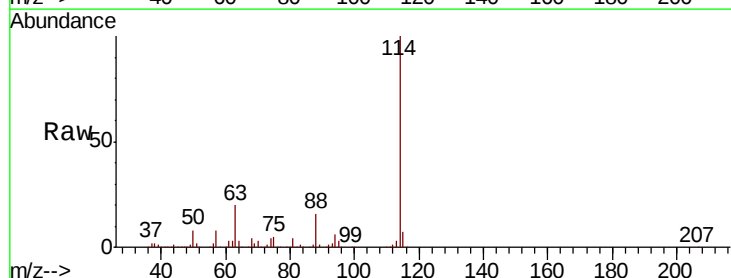
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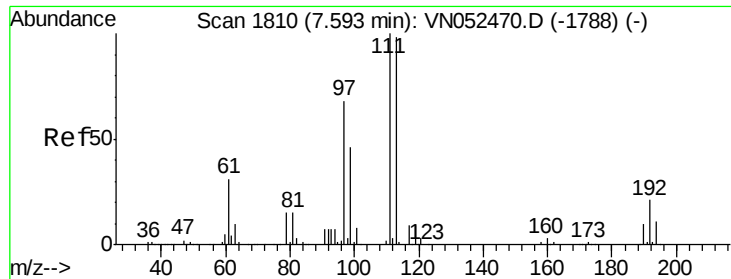
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Tgt Ion: 114 Resp: 1678647
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

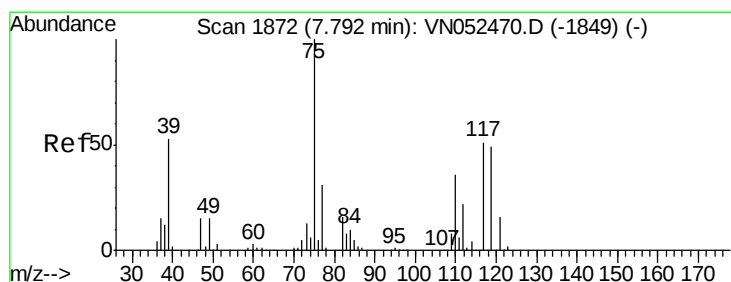
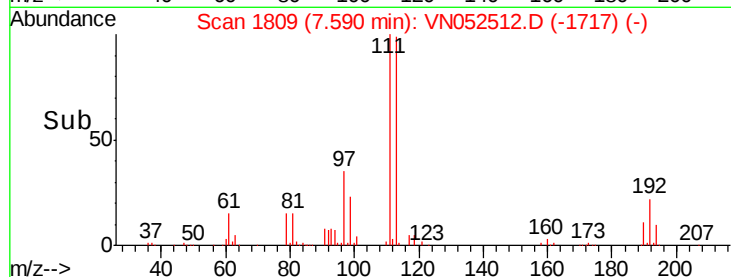
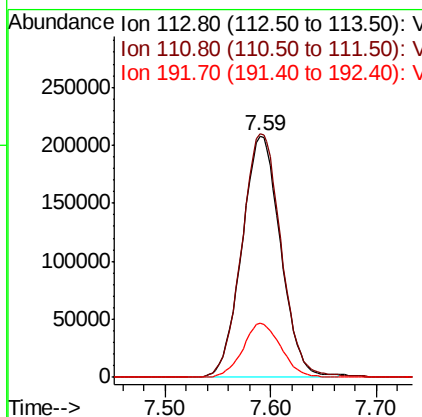
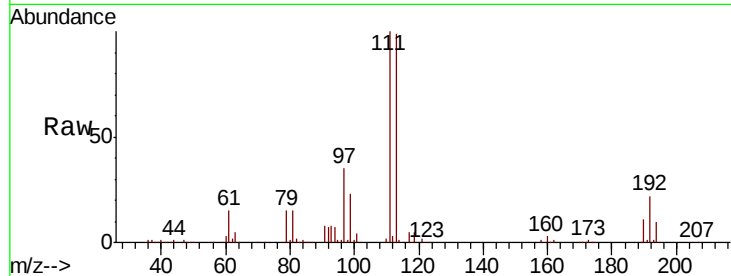
ClientSampleId :

VN1128MBS01

Tgt Ion:	113	Resp:	530197
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.0	123.0
192	22.1	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 19.949 ug/l

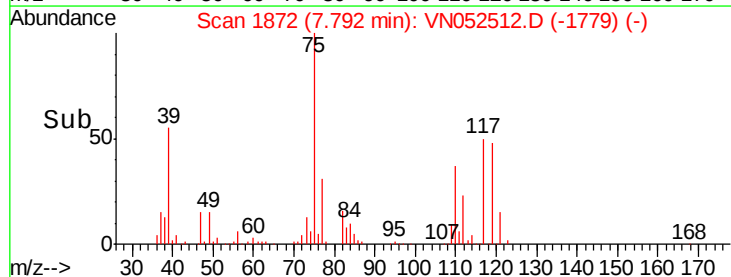
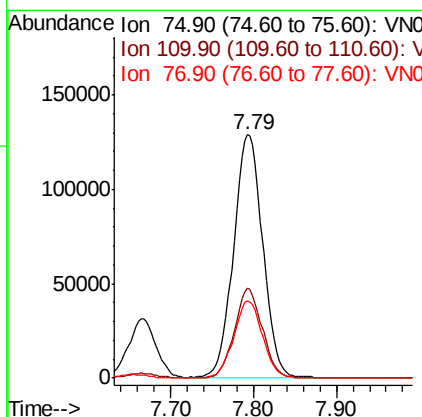
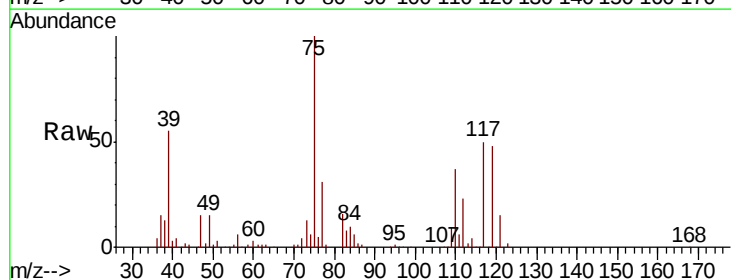
RT: 7.79 min Scan# 1872

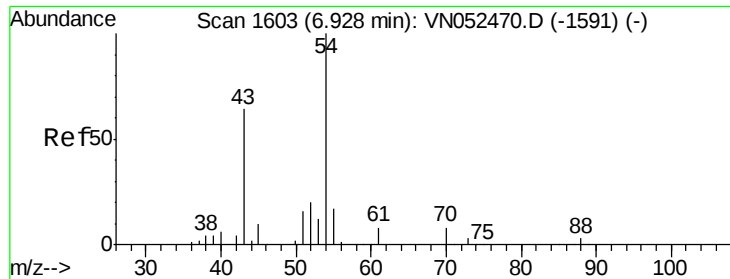
Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Tgt Ion:	75	Resp:	316222
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.5	52.6
77	31.5	24.5	36.7





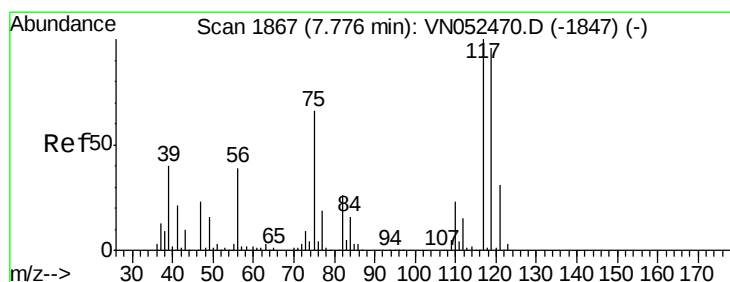
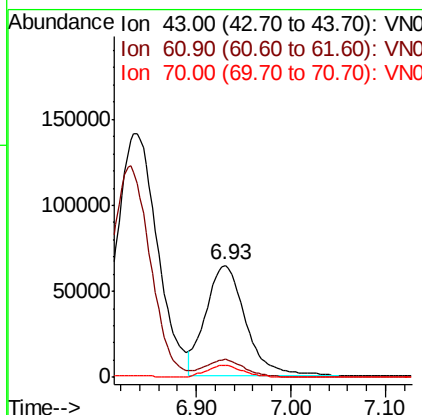
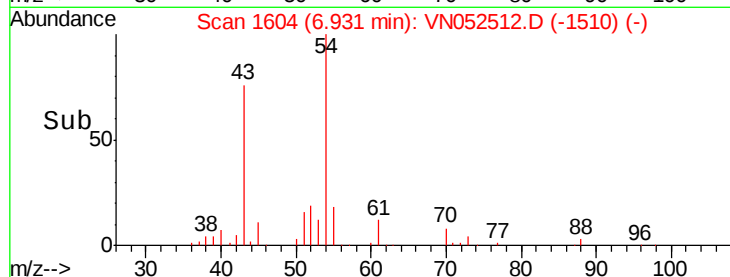
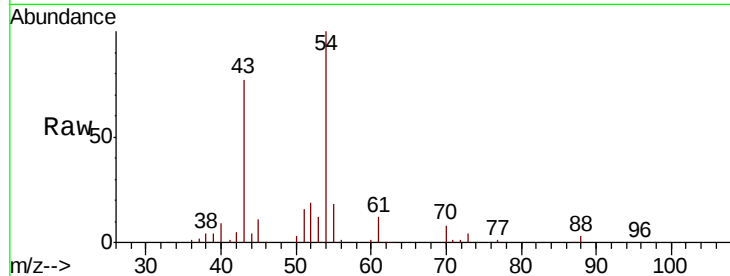
#37
Ethyl Acetate
 Concen: 19.565 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	10.0	7.8	11.8

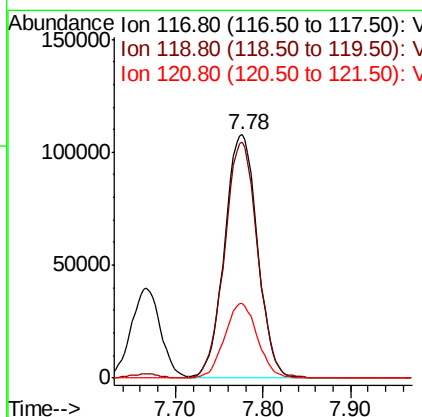
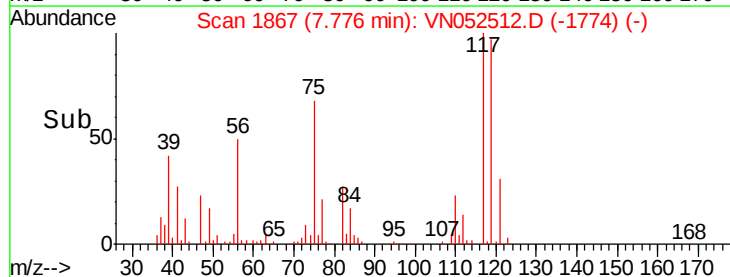
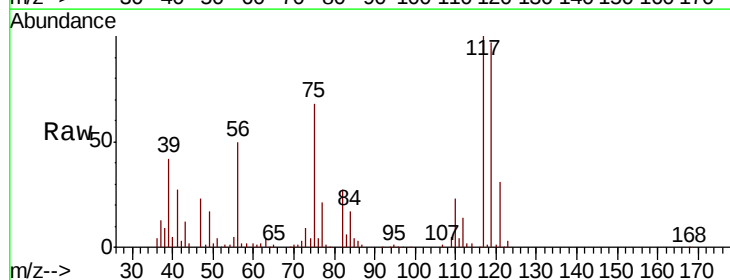
Manual Integrations
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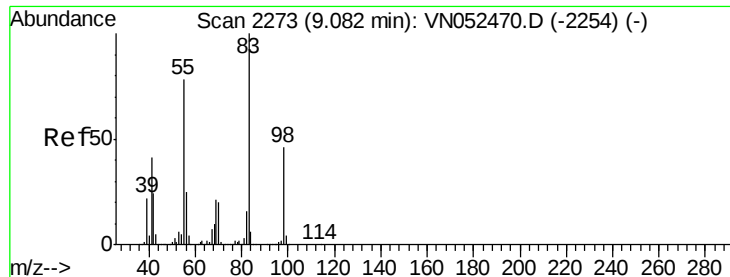
MMDadoda
 11/29/2018 9:34:07 AM



#38
Carbon Tetrachloride
 Concen: 19.632 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.8	115.2
121	30.6	24.9	37.3





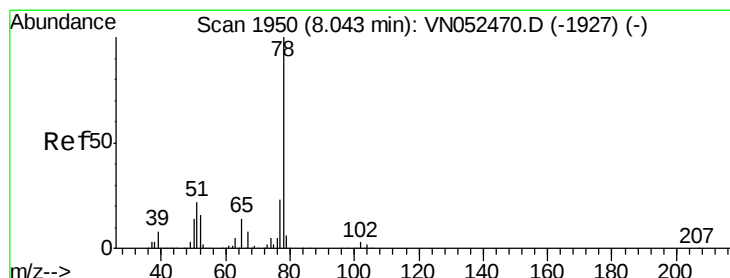
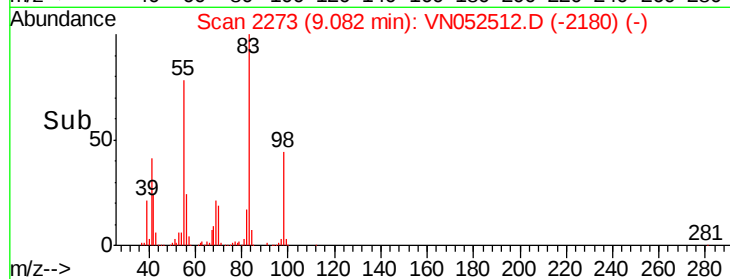
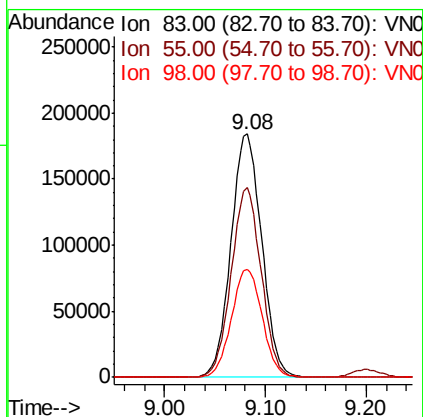
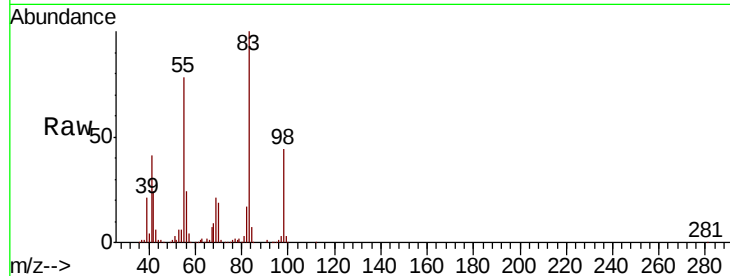
#39
Methylcyclohexane
Concen: 20.247 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	390115		
55	78.0	62.2	93.2	
98	44.4	36.4	54.6	

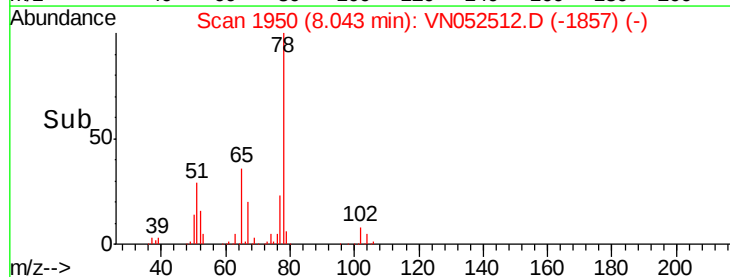
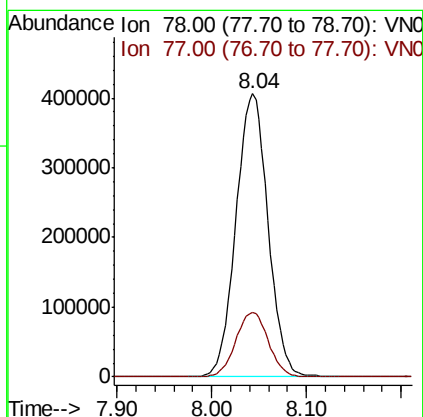
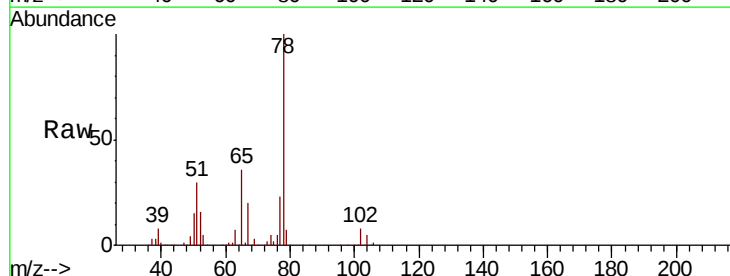
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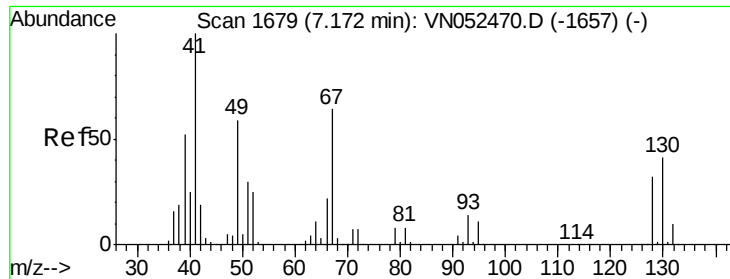
MMDadoda
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#40
Benzene
Concen: 20.248 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	956570		
77	22.9	18.8	28.2	





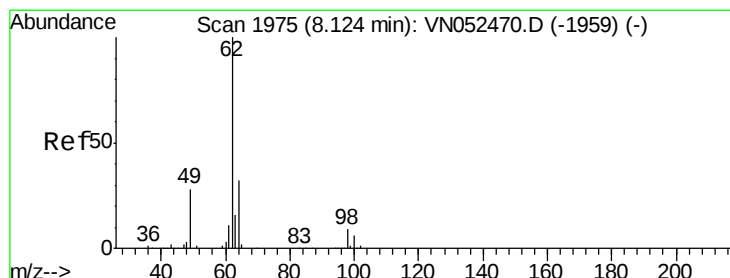
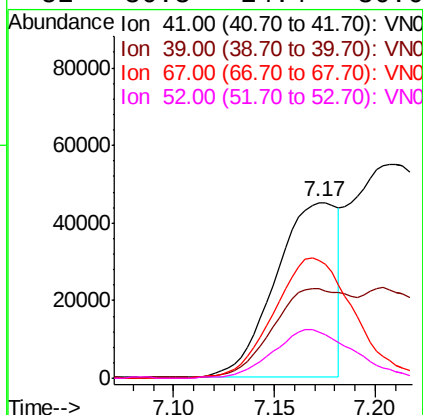
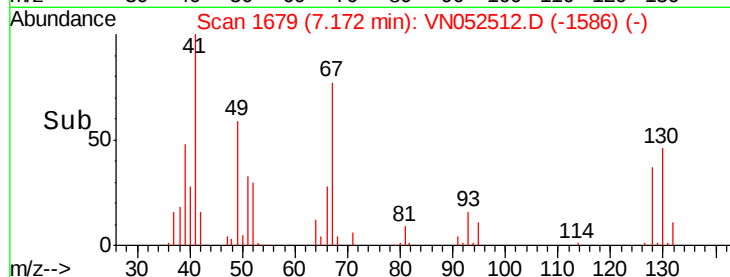
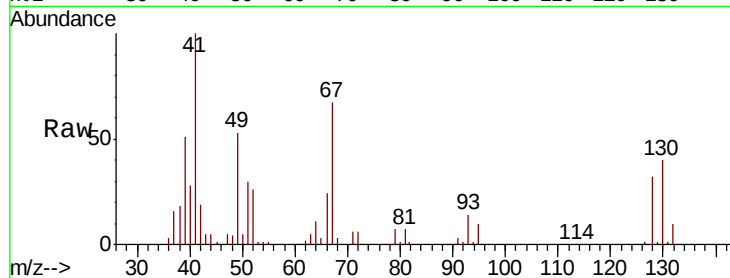
#41
Methacrylonitrile
Concen: 18.130 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.5	50.9	76.3
67	90.6	63.6	95.4
52	36.3	24.4	36.6

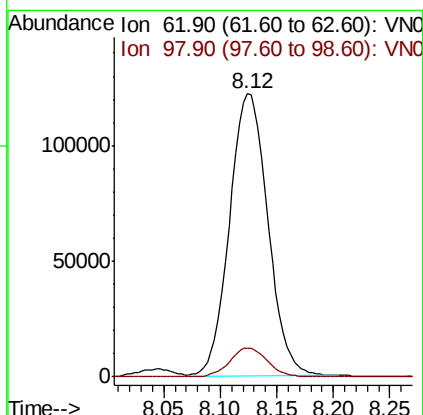
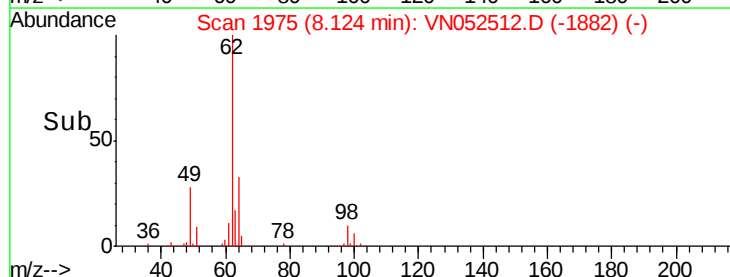
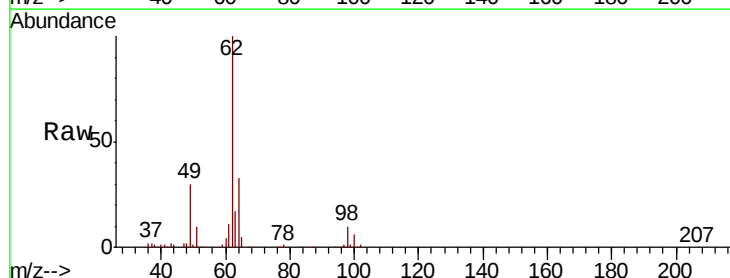
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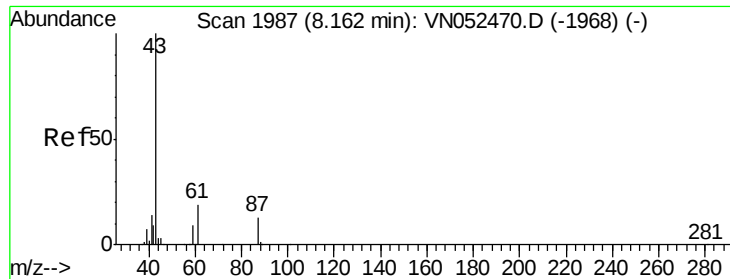
MMDadoda
11/29/2018 9:34:07 AM



#42
1,2-Dichloroethane
Concen: 20.175 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6





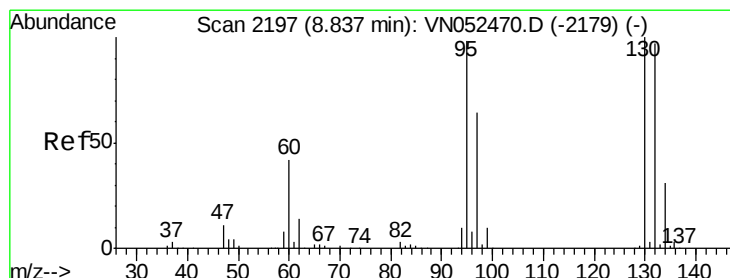
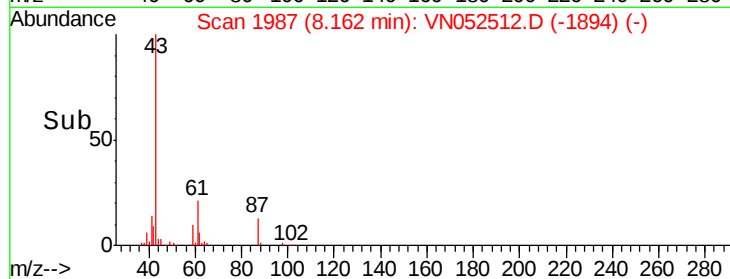
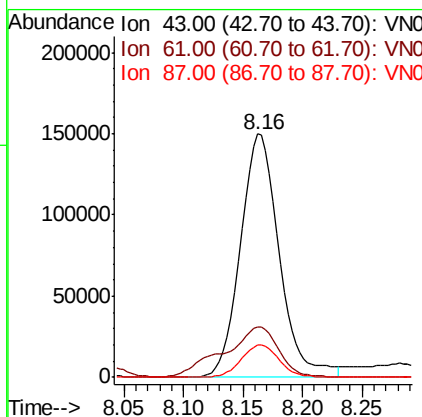
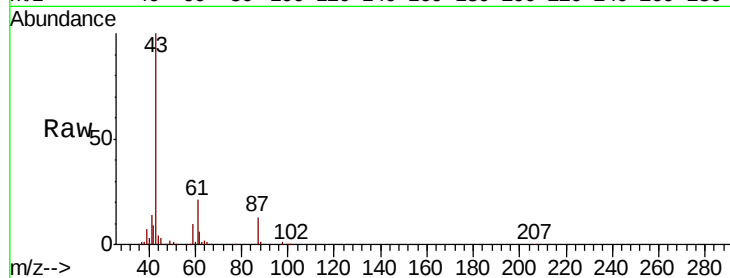
#43
Isopropyl Acetate
Concen: 20.626 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.8	24.1	36.1
87	13.0	10.6	15.8

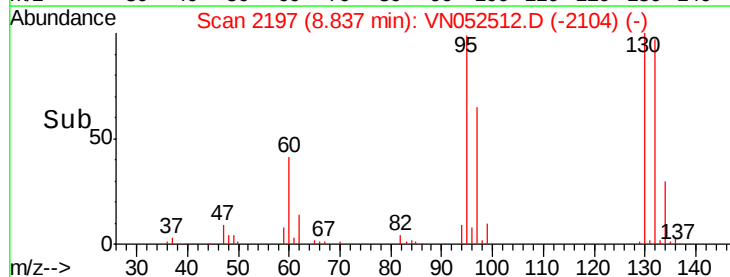
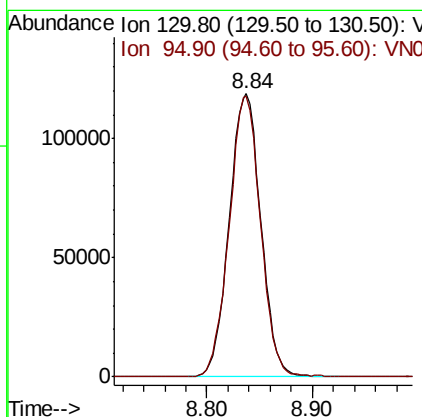
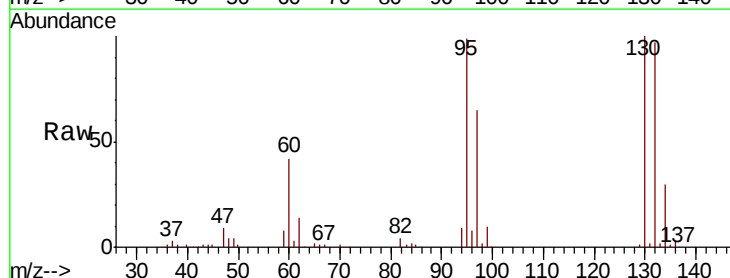
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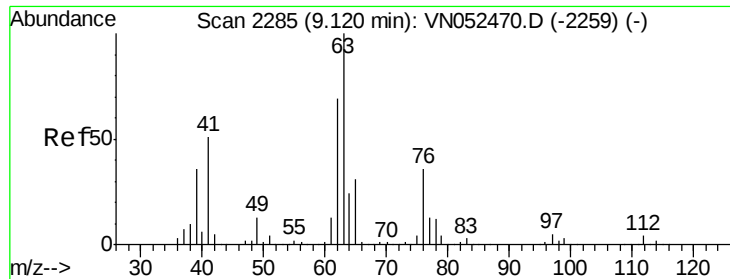
MMDadoda
11/29/2018 9:34:07 AM



#44
Trichloroethene
Concen: 20.376 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	195.6





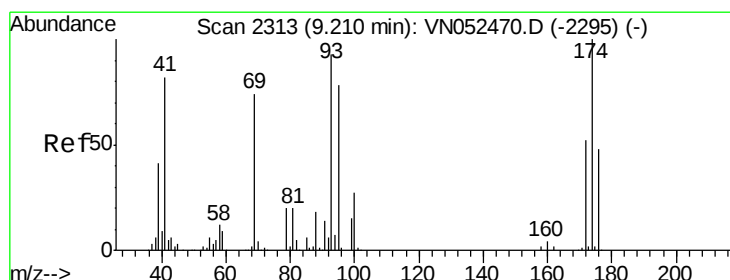
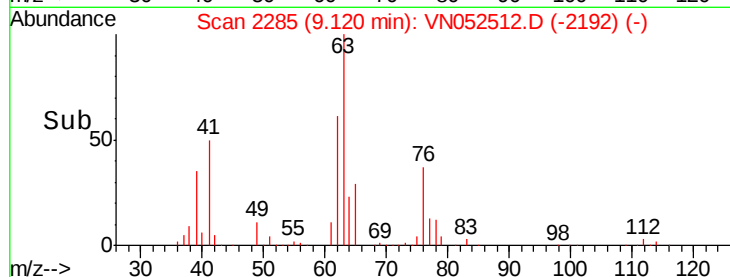
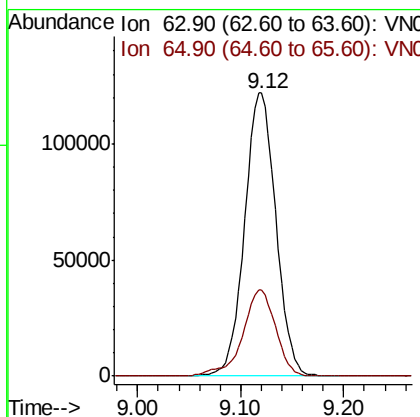
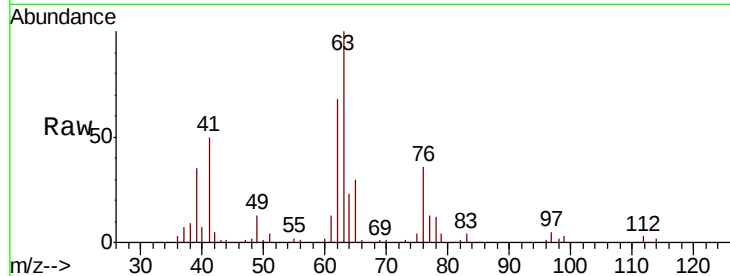
#45
 1,2-Dichloropropane
 Concen: 20.448 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBS01

Tgt Ion: 63 Resp: 256822
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

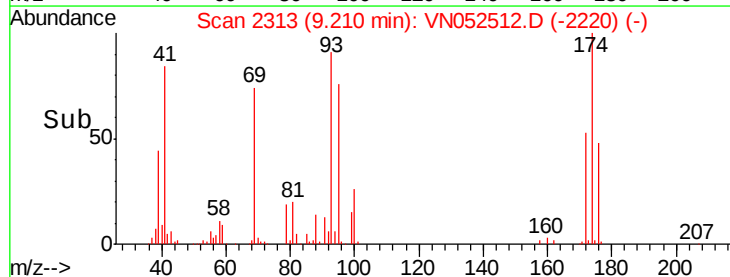
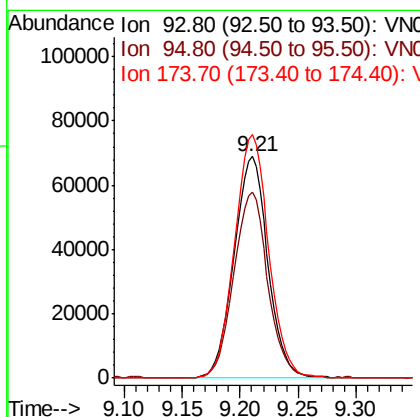
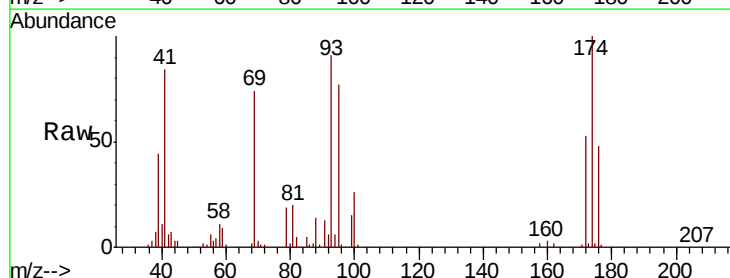
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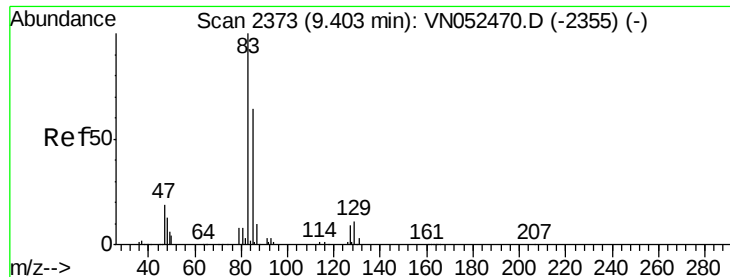
MMDadoda
 11/29/2018 9:34:07 AM



#46
 Dibromomethane
 Concen: 20.077 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Tgt Ion: 93 Resp: 139591
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.1 100.7
 174 110.7 85.8 128.8





#47

Bromodichloromethane

Concen: 19.582 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

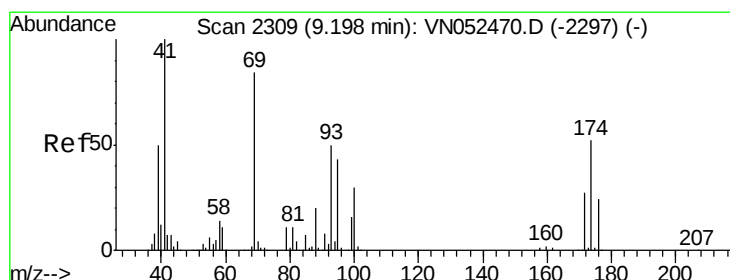
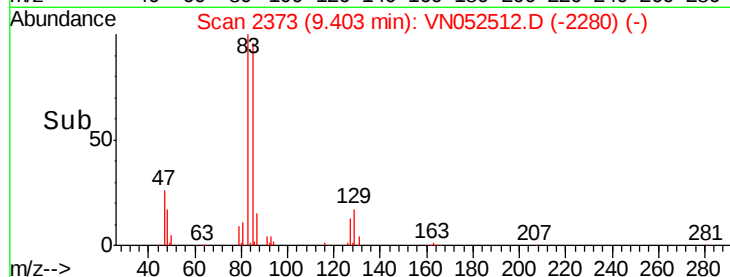
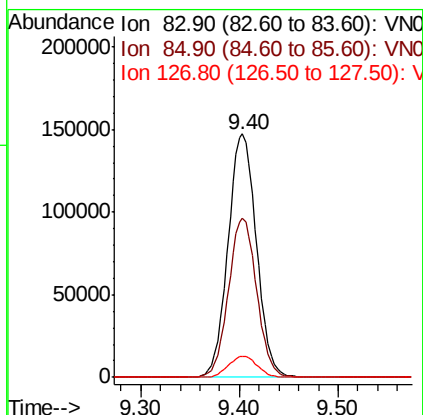
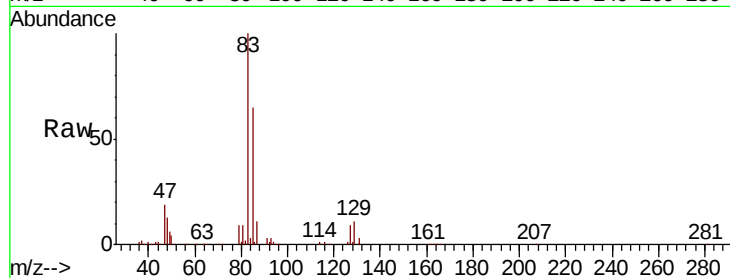
ClientSampleId :

VN1128MBS01

Tgt Ion:	83	Resp:	296023
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.3	76.9
127	8.7	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.092 ug/l

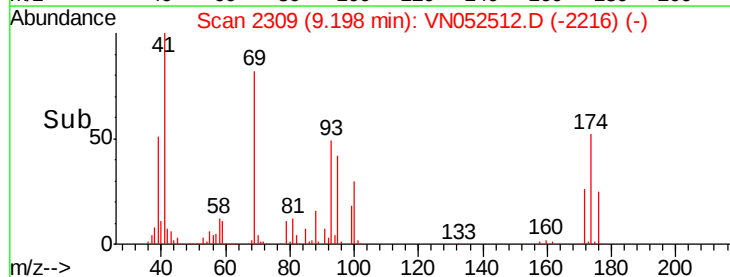
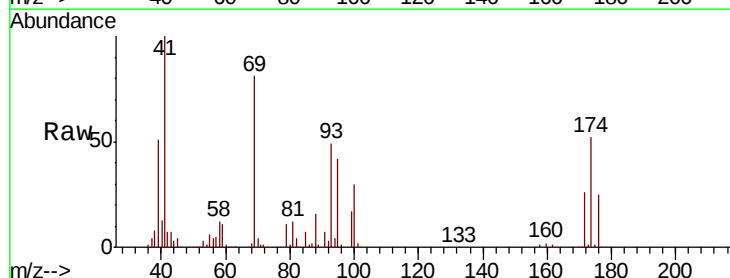
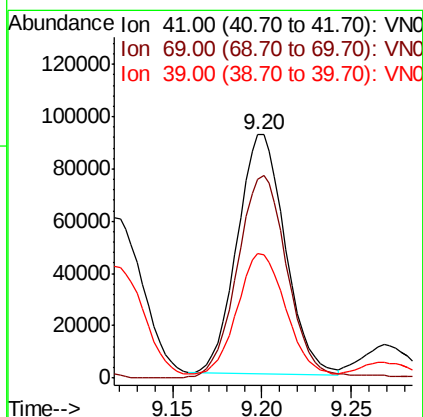
RT: 9.20 min Scan# 2309

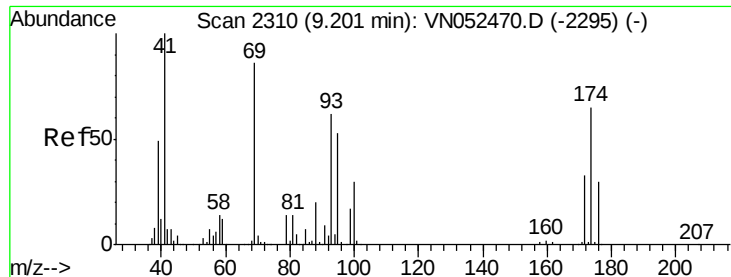
Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Tgt Ion:	41	Resp:	171522
Ion	Ratio	Lower	Upper
41	100		
69	88.2	70.0	105.0
39	51.2	42.6	64.0





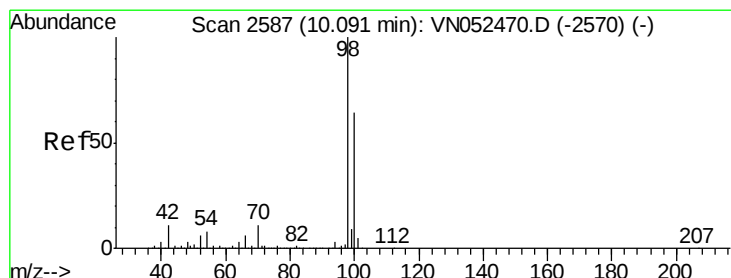
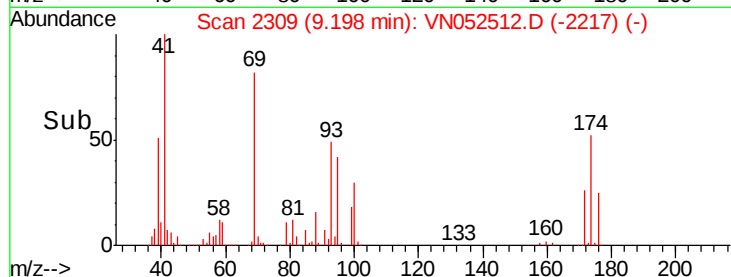
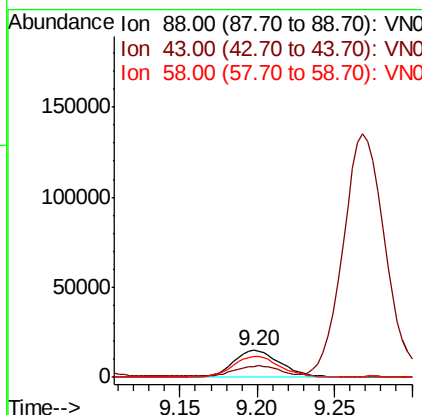
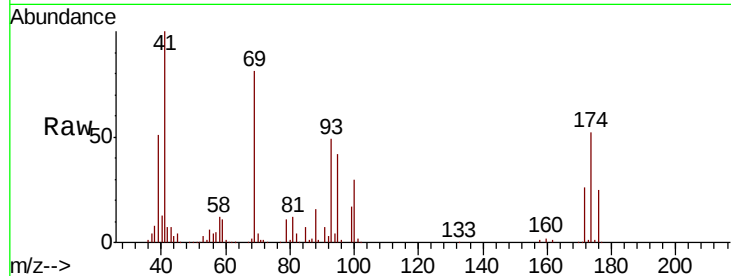
#49
1,4-Dioxane
Concen: 358.150 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion: 88 Resp: 31731
Ion Ratio Lower Upper
88 100
43 34.7 26.4 39.6
58 77.9 55.4 83.0

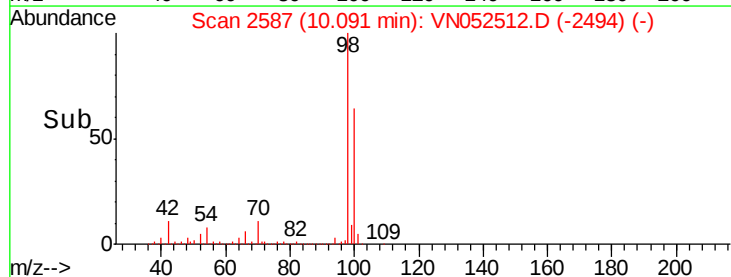
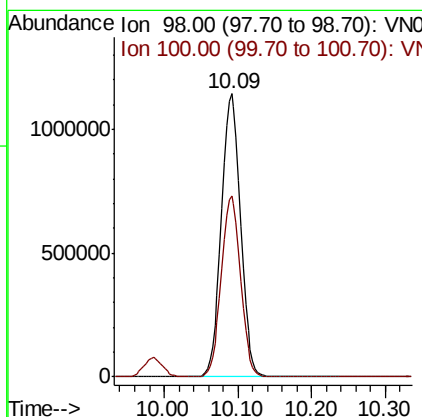
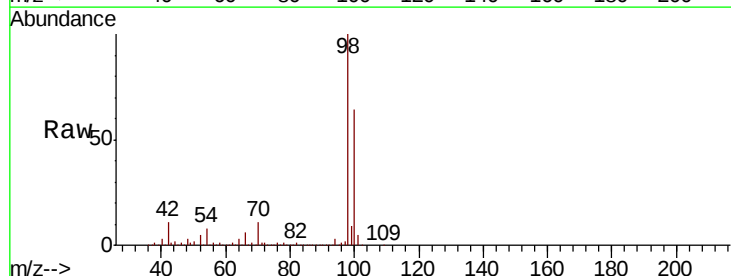
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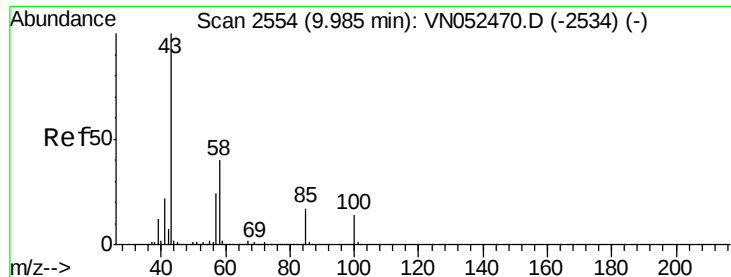
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#50
Toluene-d8
Concen: 358.150 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion: 98 Resp: 2076228
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9





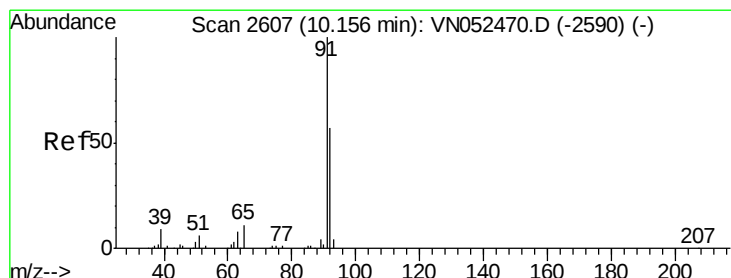
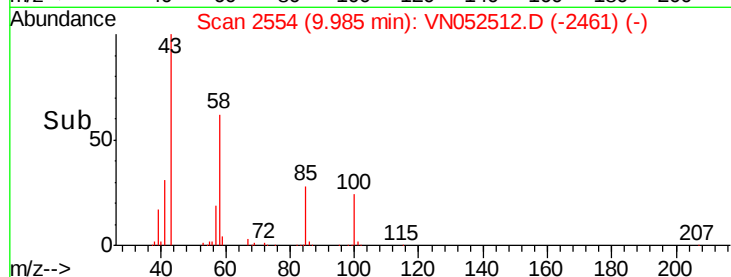
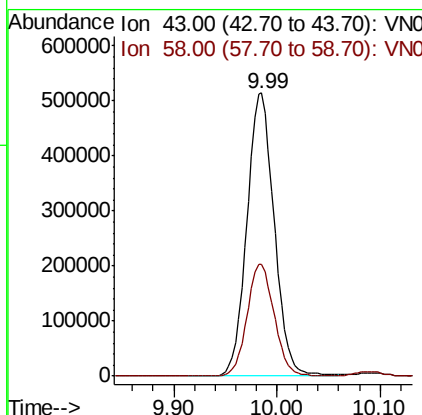
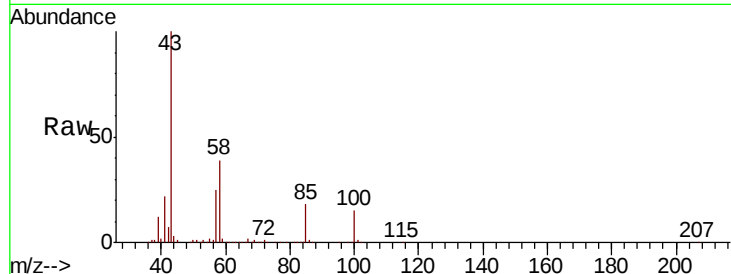
#51
 4-Methyl-2-Pentanone
 Concen: 102.375 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN1128MBS01

Tgt Ion: 43 Resp: 940397
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3

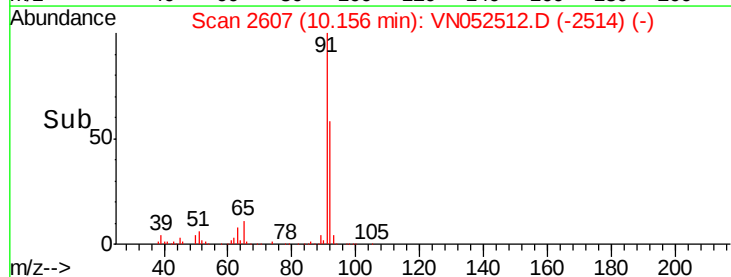
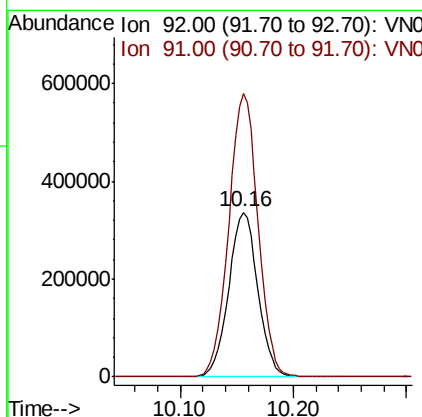
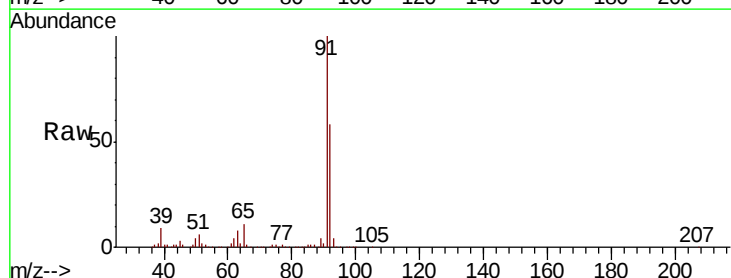
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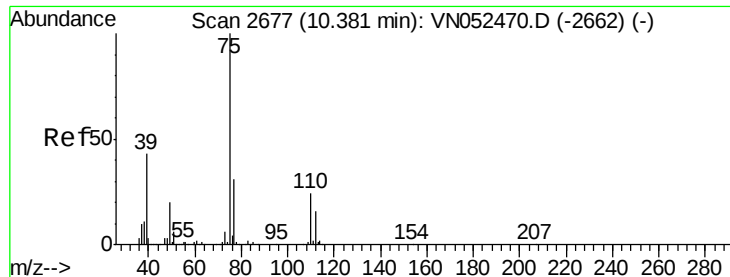
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#52
 Toluene
 Concen: 21.341 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Tgt Ion: 92 Resp: 599002
 Ion Ratio Lower Upper
 92 100
 91 173.4 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 19.972 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion: 75 Resp: 290443

Ion Ratio Lower Upper

75 100

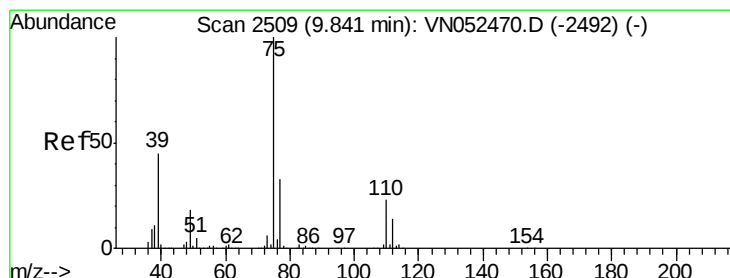
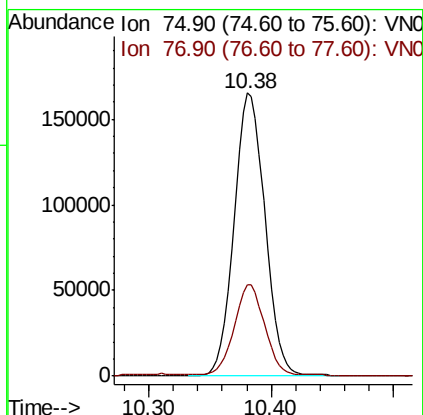
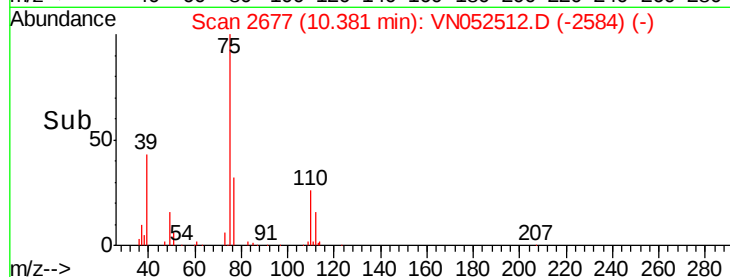
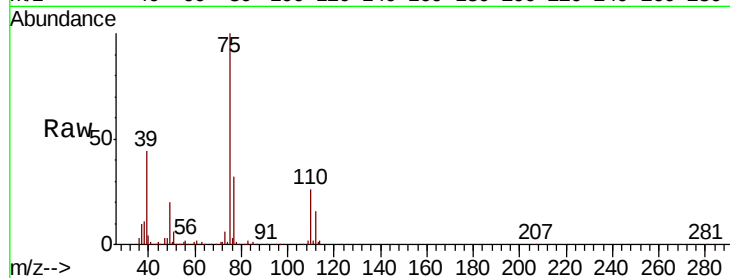
77 32.1 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 20.167 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

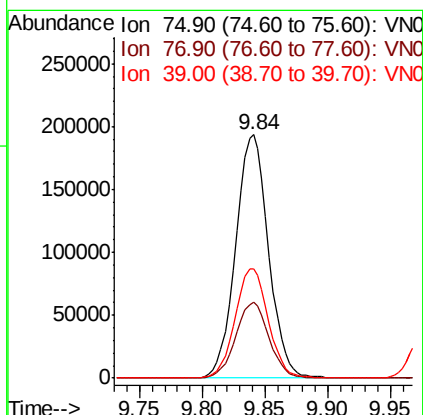
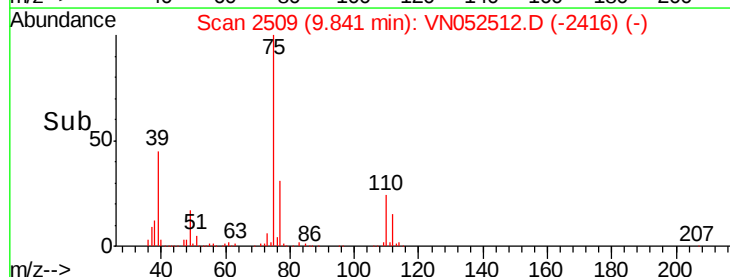
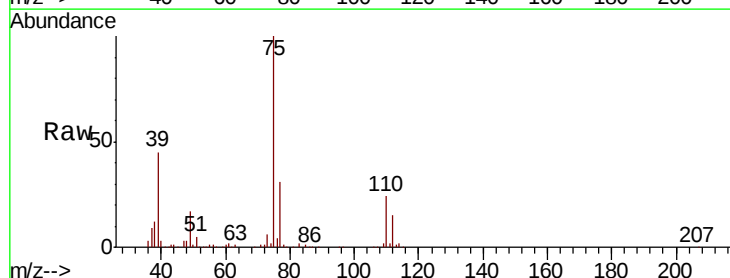
Tgt Ion: 75 Resp: 351459

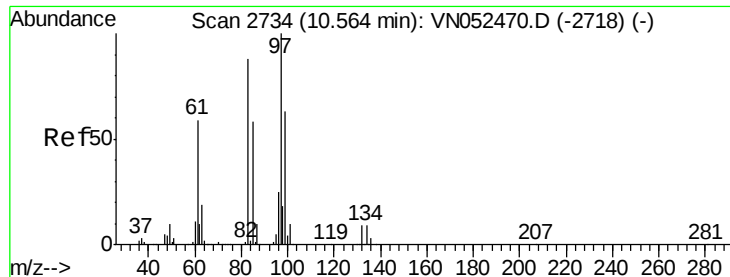
Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2

39 44.9 36.0 54.0





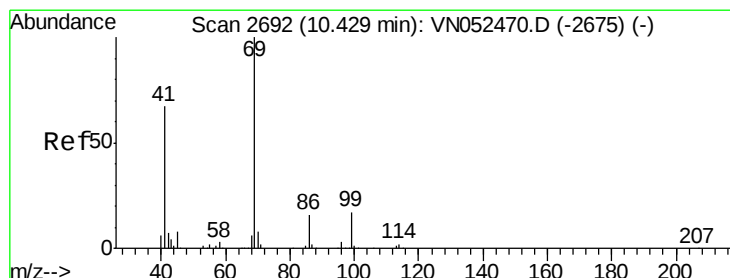
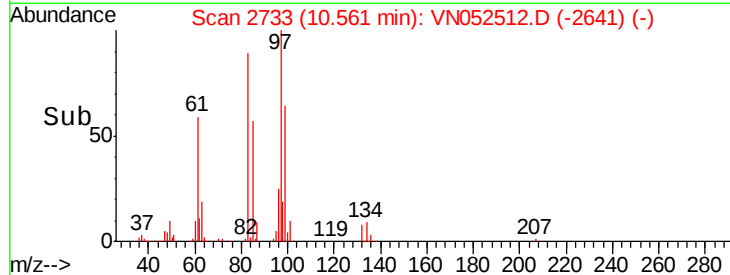
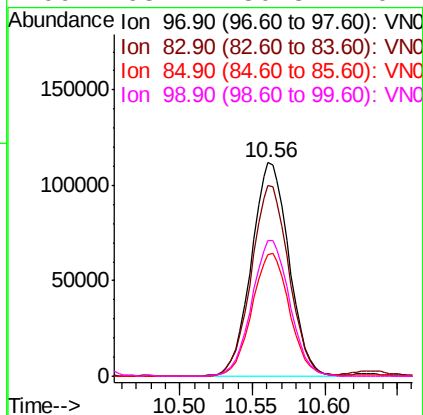
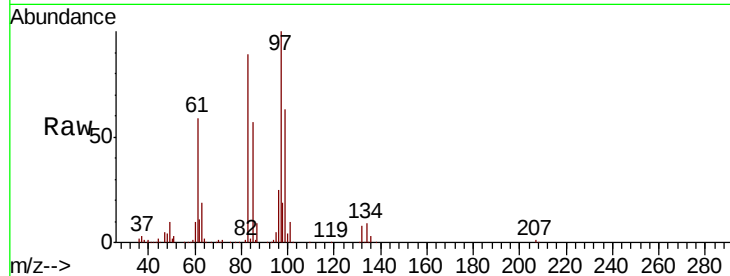
#55
 1,1,2-Trichloroethane
 Concen: 20.403 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBS01

Tgt Ion:	97	Resp:	201441
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.7	106.1
85	57.3	46.1	69.1
99	63.4	50.8	76.2

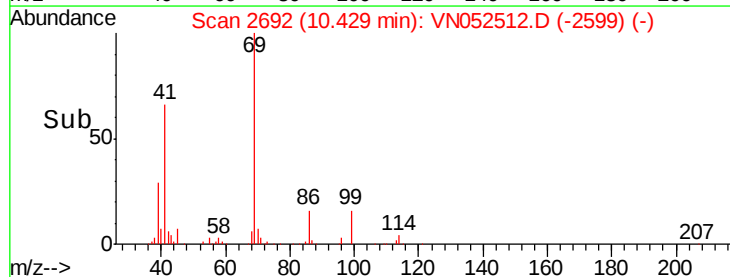
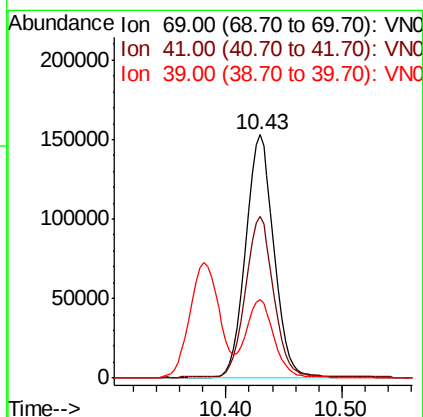
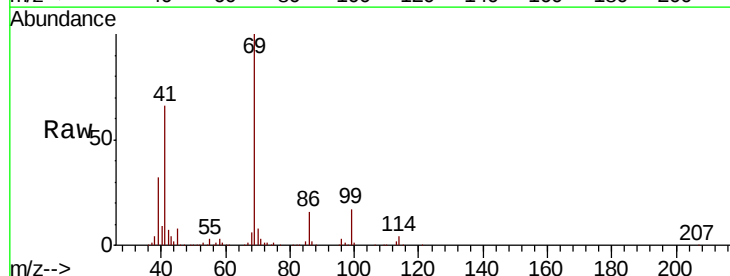
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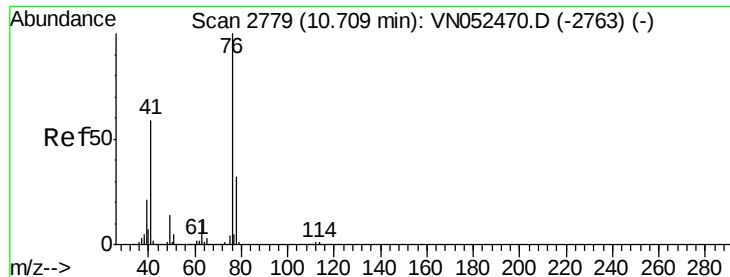
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#56
 Ethyl methacrylate
 Concen: 20.591 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Tgt Ion:	69	Resp:	259344
Ion	Ratio	Lower	Upper
69	100		
41	65.6	52.6	79.0
39	31.7	25.9	38.9





#57

1,3-Dichloropropane

Concen: 20.360 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion: 76 Resp: 354947

Ion Ratio Lower Upper

76 100

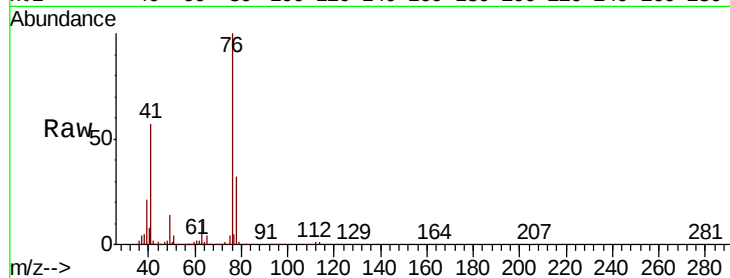
78 32.4 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

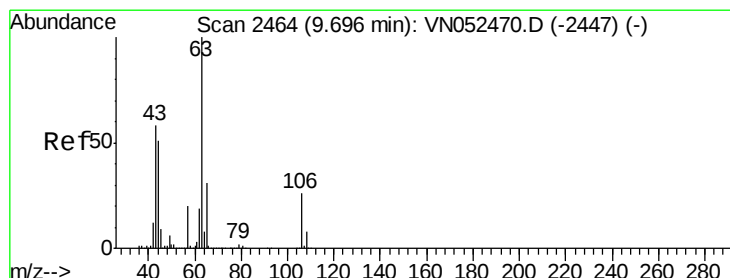
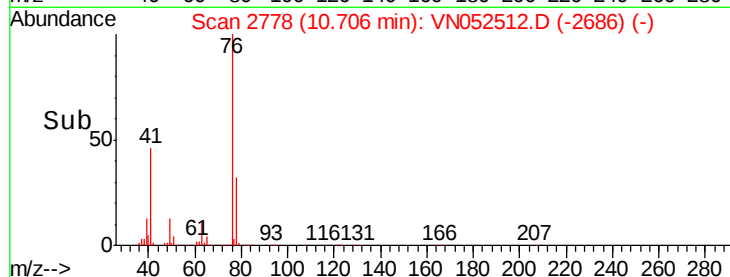
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 98.662 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052512.D

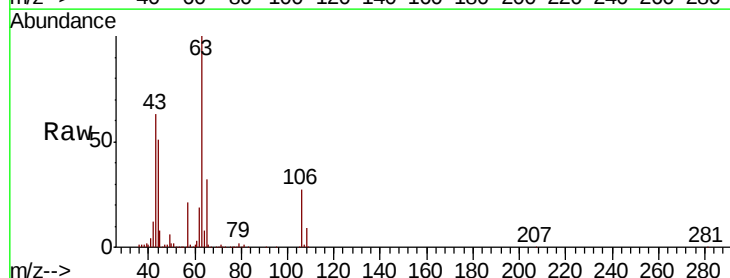
Acq: 28 Nov 2018 11:50

Tgt Ion: 63 Resp: 706839

Ion Ratio Lower Upper

63 100

106 26.3 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

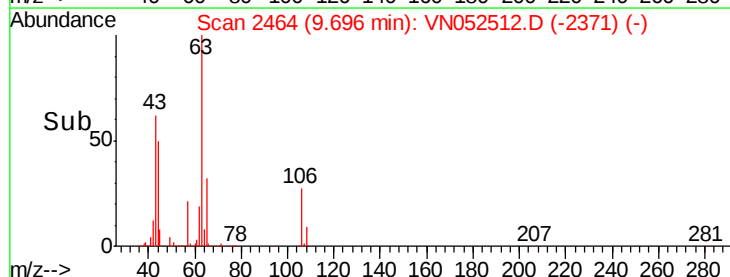
300000

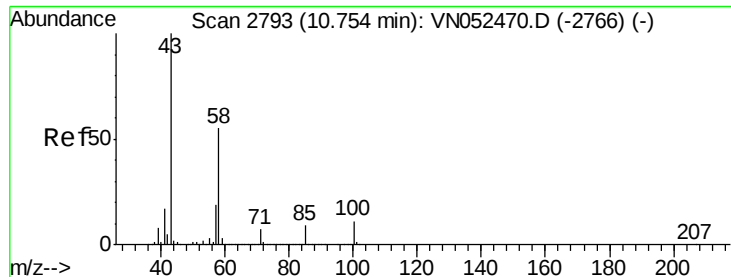
200000

100000

0

Time-->





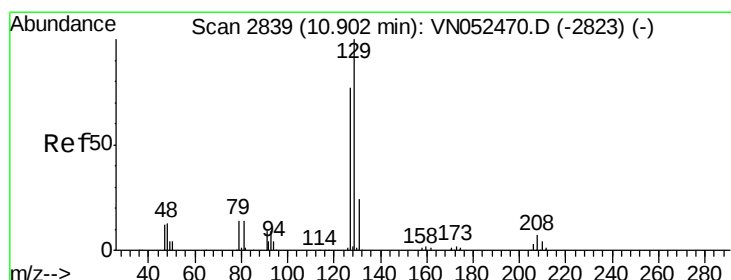
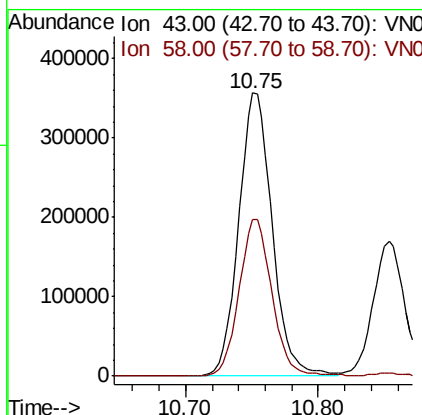
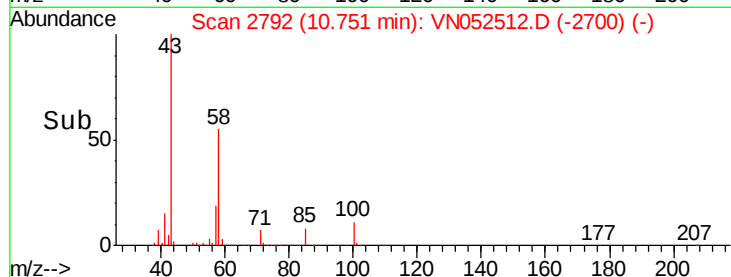
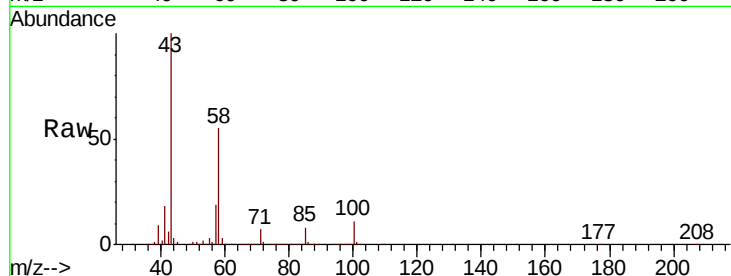
#59
2-Hexanone
Concen: 100.980 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion: 43 Resp: 622549
Ion Ratio Lower Upper
43 100
58 54.8 27.4 82.0

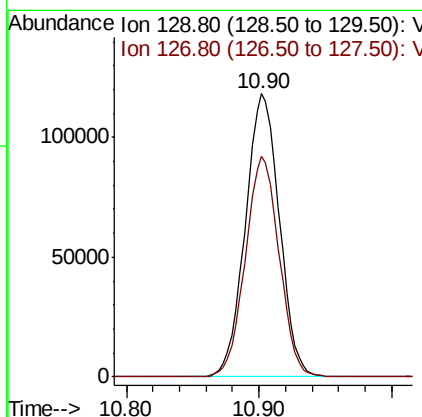
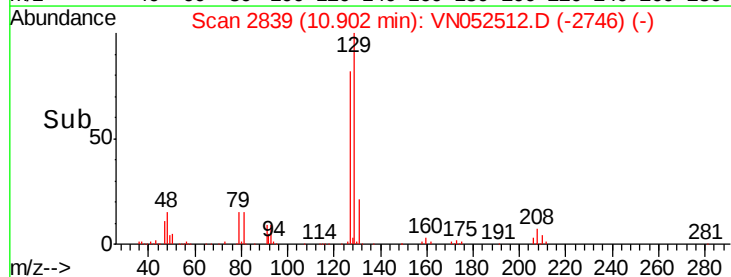
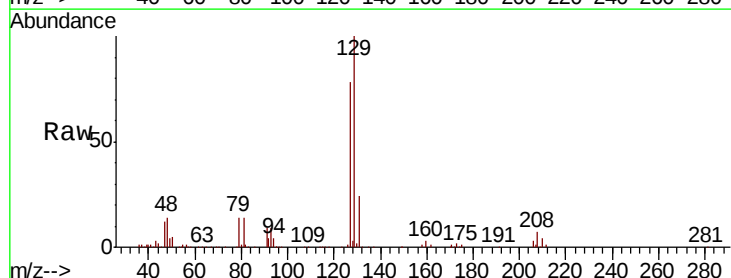
Manual Integrations
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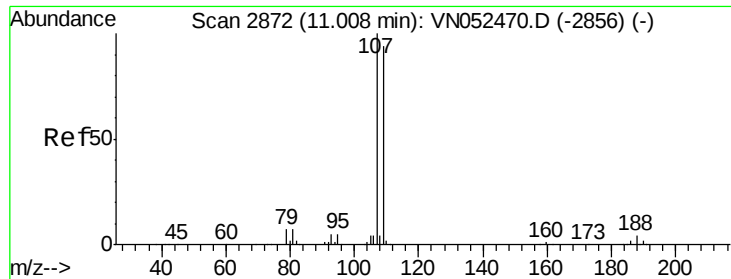
MMDadoda
11/29/2018 9:34:07 AM



#60
Dibromochloromethane
Concen: 19.699 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion: 129 Resp: 211241
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6





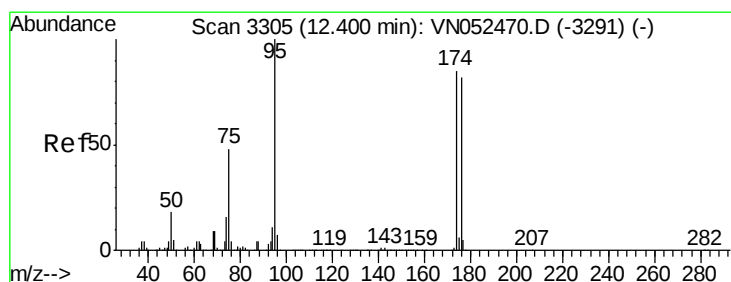
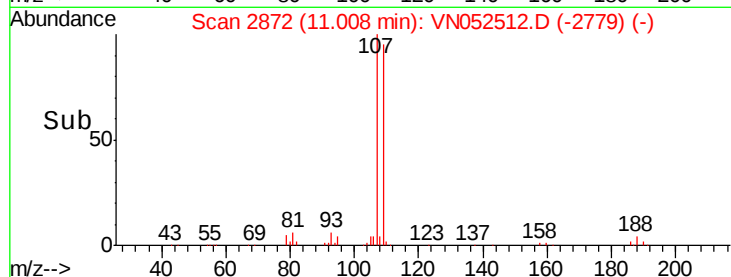
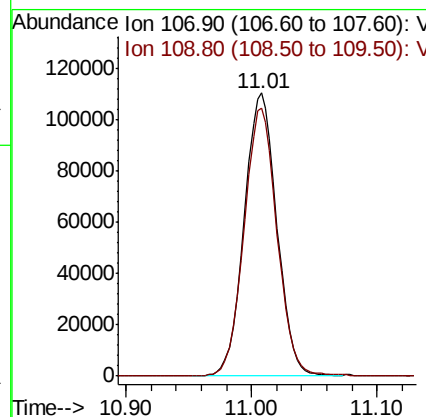
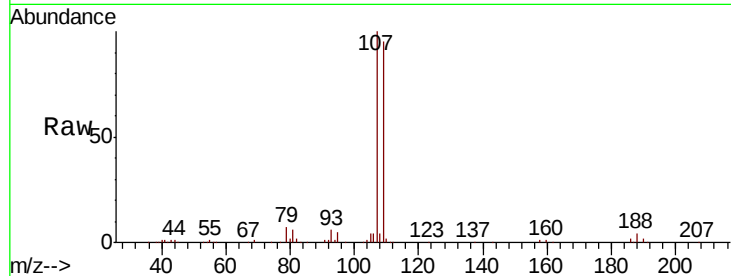
#61
 1,2-Dibromoethane
 Concen: 20.309 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBS01

Tgt Ion: 107 Resp: 199150
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.6 113.4

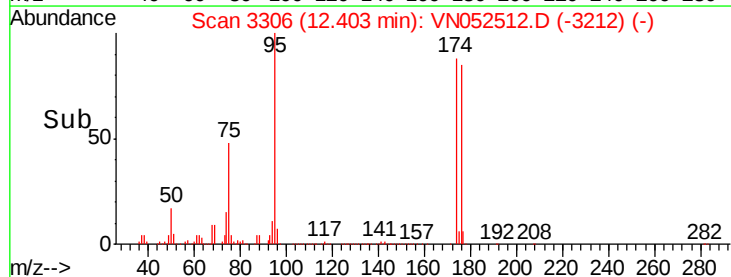
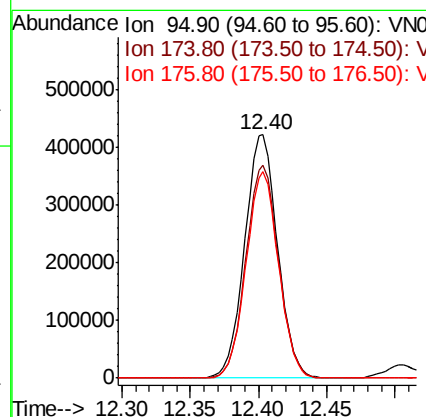
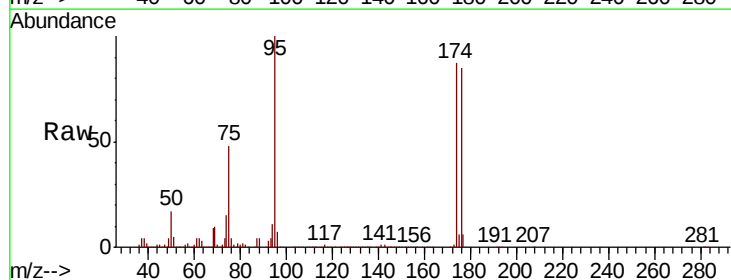
Manual Integrations
 APPROVED

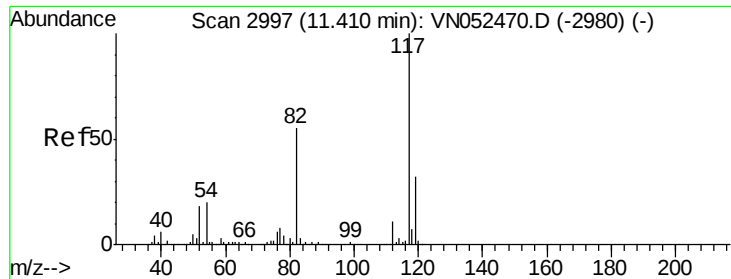
MMDadoda
 11/29/2018 9:34:07 AM



#62
 4-Bromofluorobenzene
 Concen: 20.309 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Tgt Ion: 95 Resp: 701104
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 173.0
 176 84.4 0.0 166.2





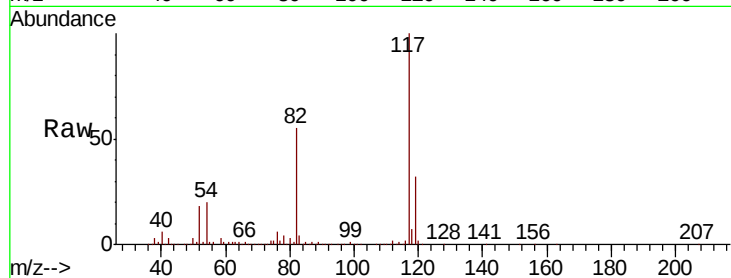
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

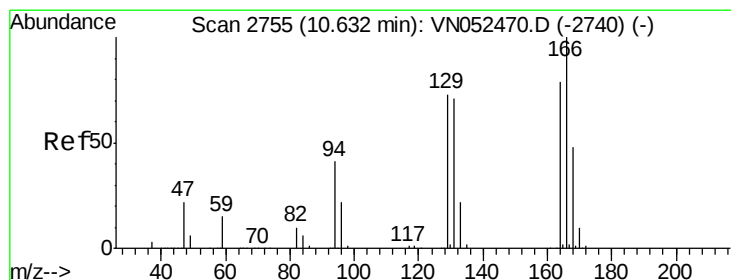
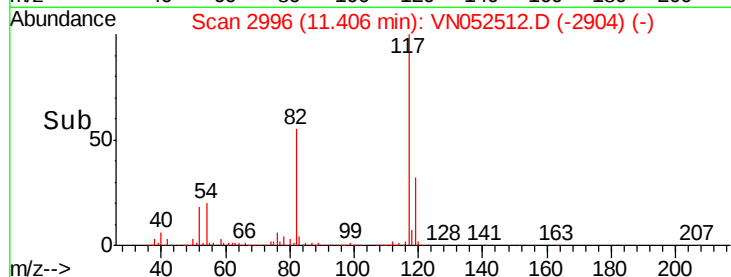
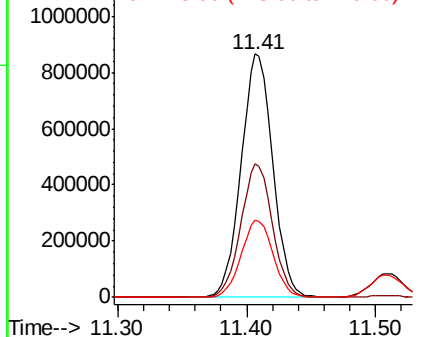
Tgt Ion:117 Resp: 1478149
Ion Ratio Lower Upper
117 100
82 54.7 43.6 65.4
119 31.8 25.4 38.2

Manual Integrations
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11/29/2018 9:34:07 AM



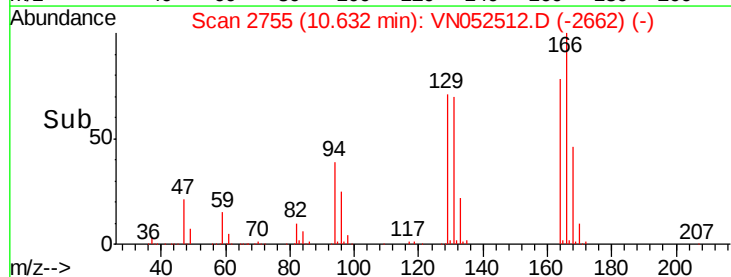
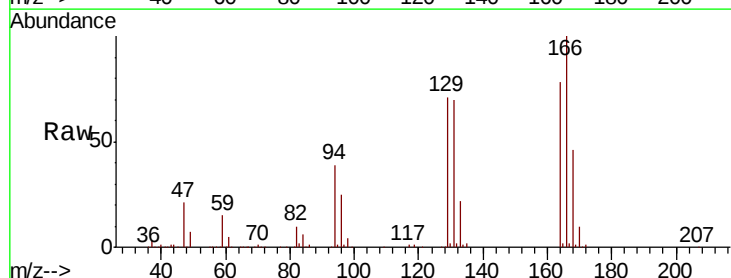
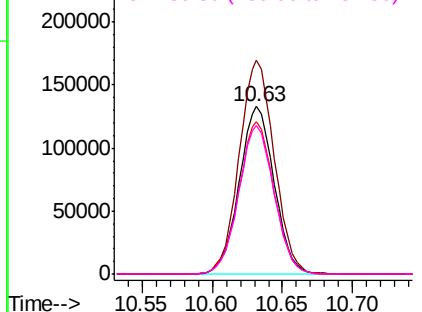
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

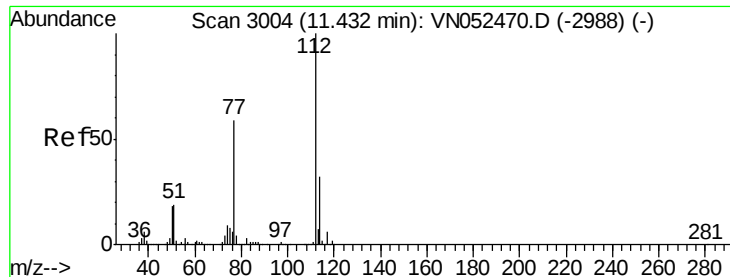


#64
Tetrachloroethene
Concen: 20.156 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion:164 Resp: 230993
Ion Ratio Lower Upper
164 100
166 127.7 101.0 151.4
129 90.9 73.8 110.6
131 88.8 71.2 106.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.598 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion:112 Resp: 627815

Ion Ratio Lower Upper

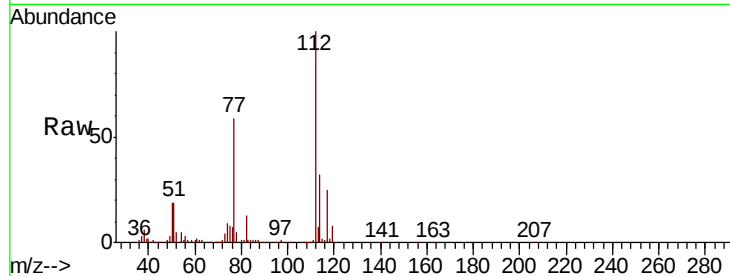
112 100

114 31.6 25.8 38.6

Manual Integrations
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11/29/2018 9:34:07 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

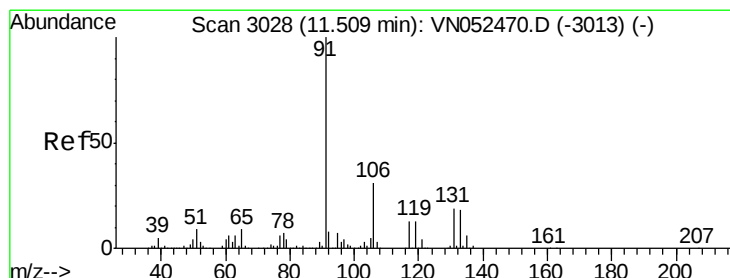
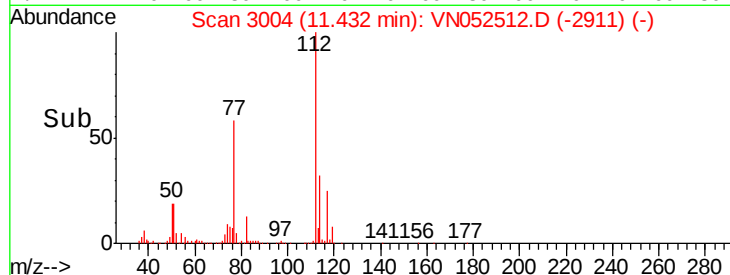
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.925 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

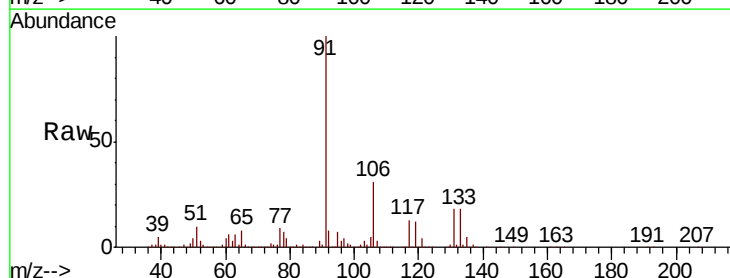
Tgt Ion:131 Resp: 211157

Ion Ratio Lower Upper

131 100

133 96.8 47.6 142.8

119 68.0 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

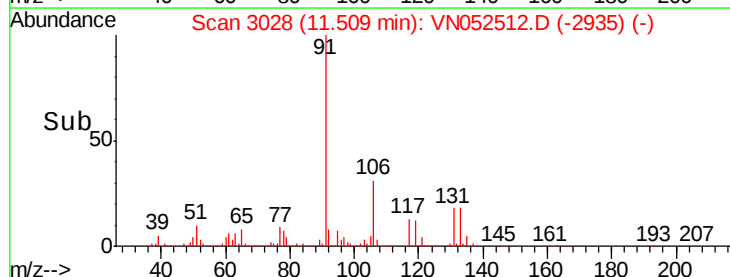
300000

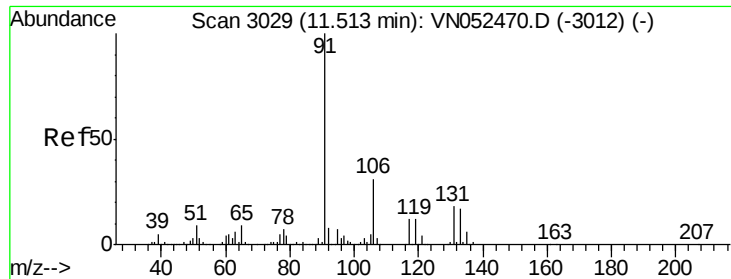
200000

100000

0

Time-->





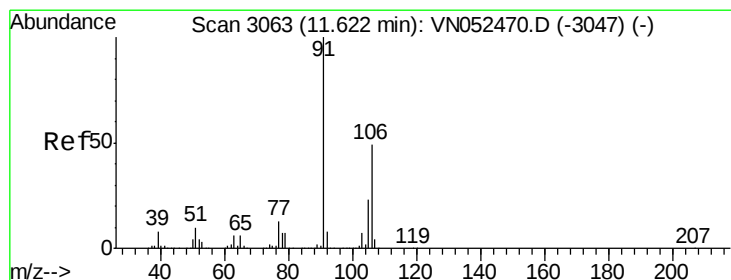
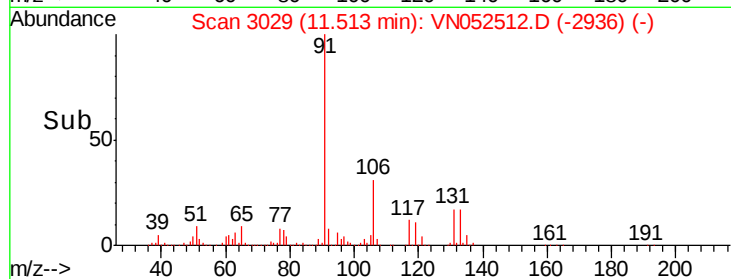
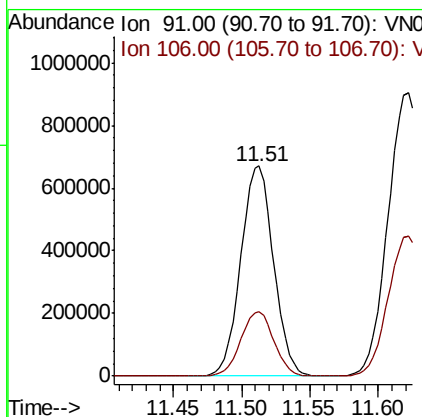
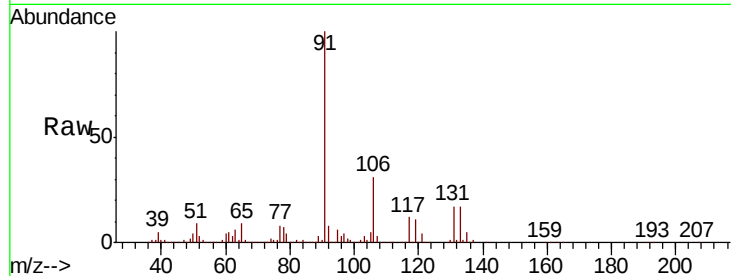
#67
Ethyl Benzene
Concen: 20.949 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion: 91 Resp: 1118159
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3

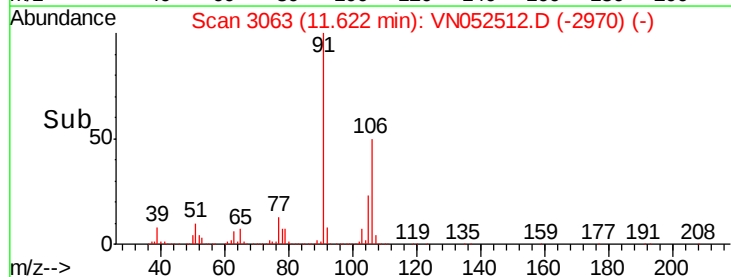
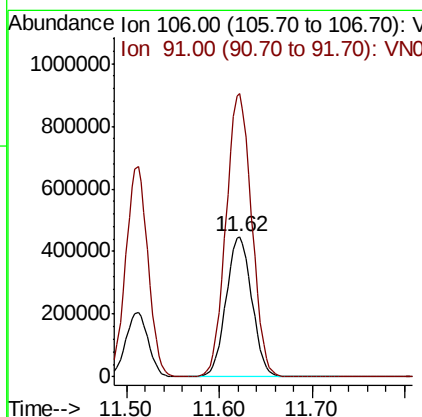
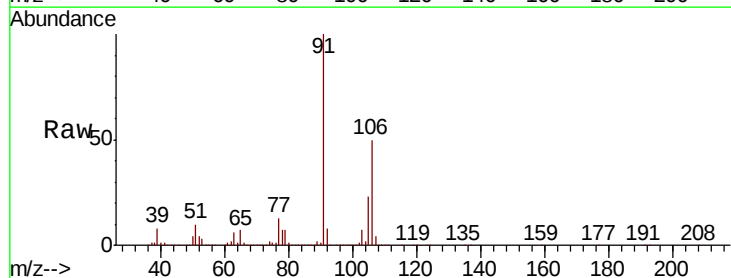
Manual Integrations
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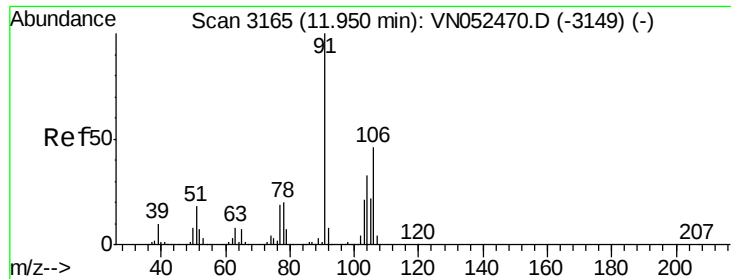
MMDadoda
11/29/2018 9:34:07 AM



#68
m/p-Xylenes
Concen: 43.134 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion: 106 Resp: 857068
Ion Ratio Lower Upper
106 100
91 202.0 163.2 244.8





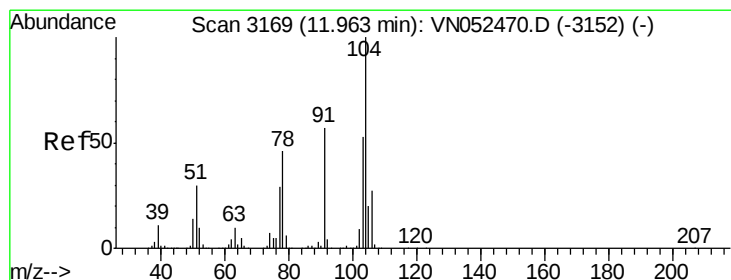
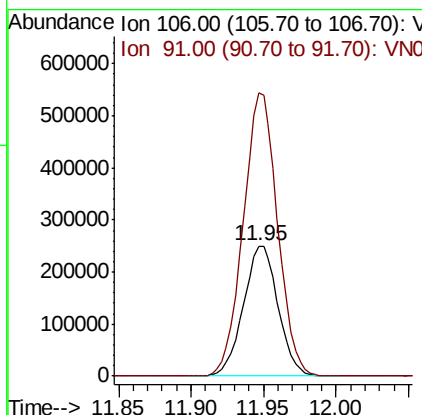
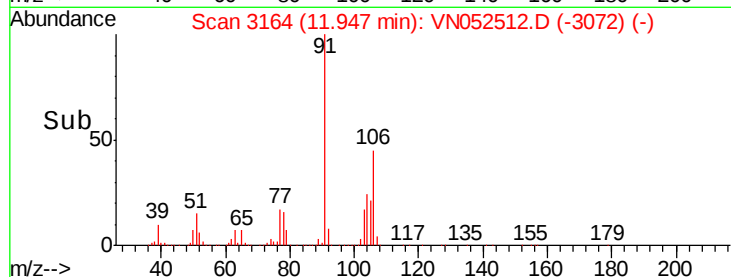
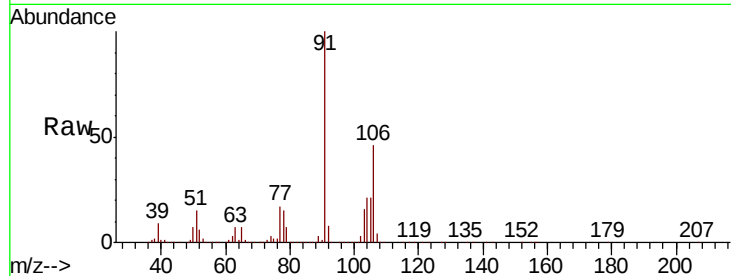
#69
o-Xylene
Concen: 21.533 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion:106 Resp: 415496
Ion Ratio Lower Upper
106 100
91 215.2 107.7 323.1

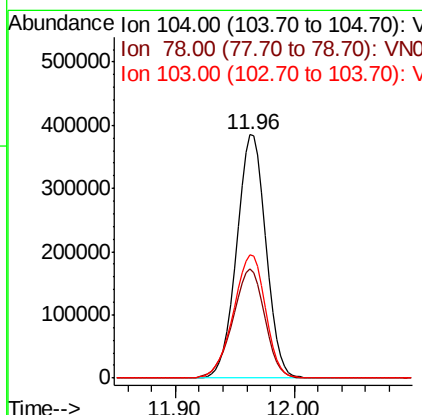
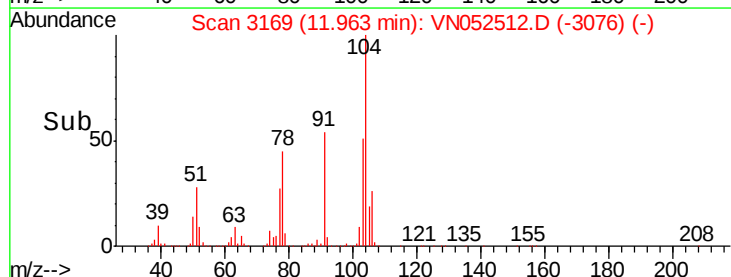
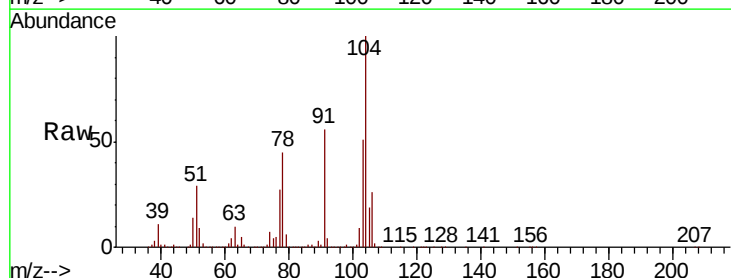
Manual Integrations
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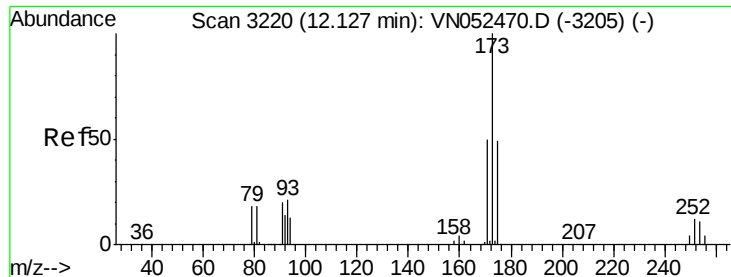
MMDadoda
11/29/2018 9:34:07 AM



#70
Styrene
Concen: 21.334 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion:104 Resp: 655661
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.2
103 55.7 44.9 67.3





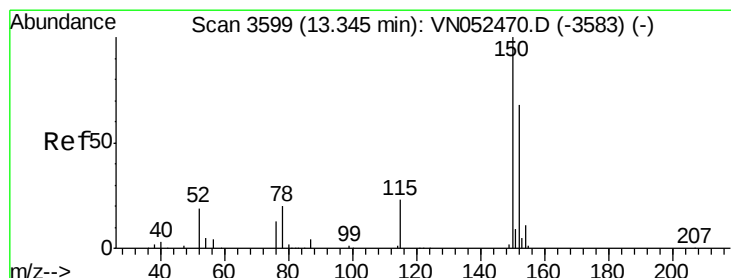
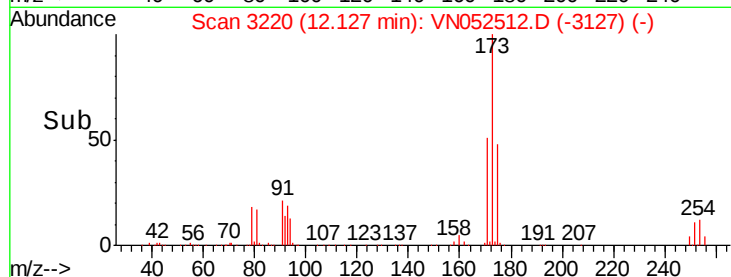
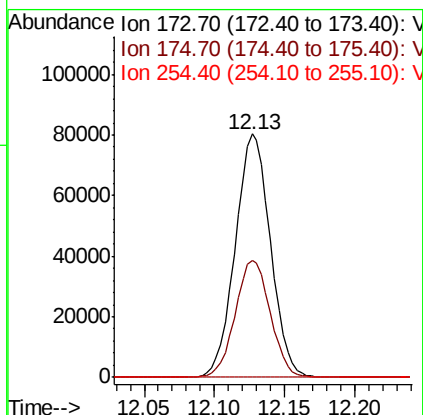
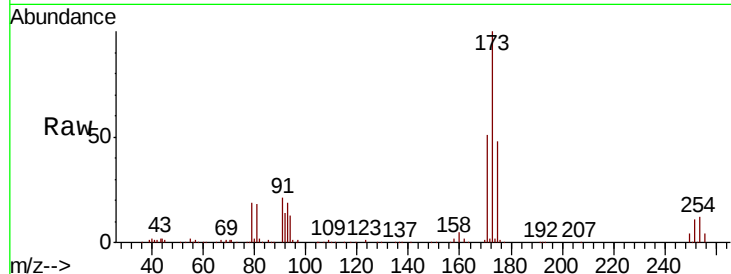
#71
Bromoform
Concen: 19.993 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.2
254	0.0	0.1	0.1#

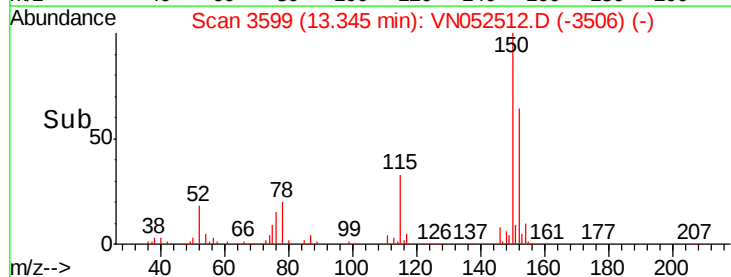
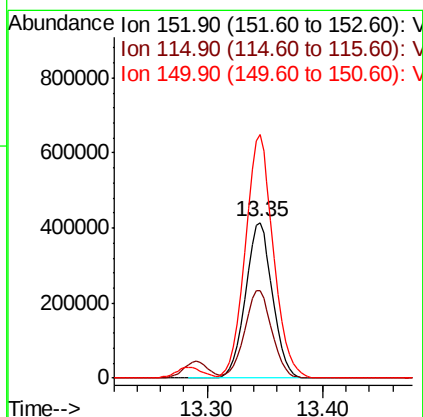
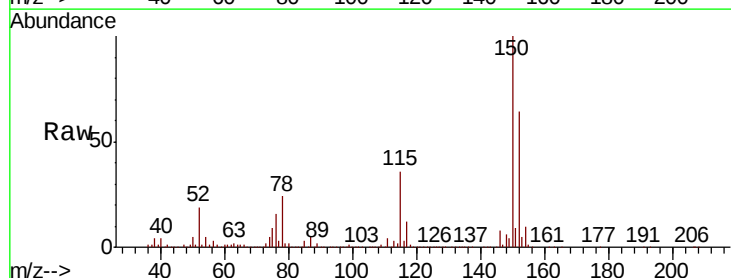
Manual Integrations
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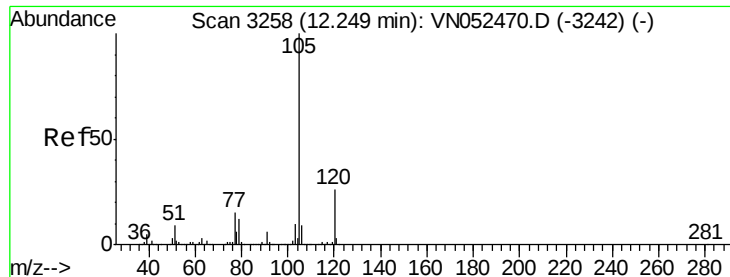
MMDadoda
11/29/2018 9:34:07 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.4	85.2
150	162.7	0.0	346.0





#73

Isopropylbenzene

Concen: 20.657 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion: 105 Resp: 1084599

Ion Ratio Lower Upper

105 100

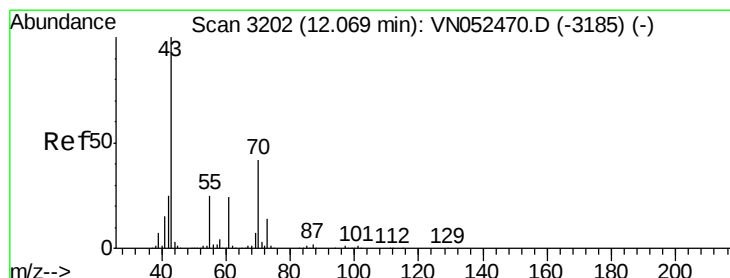
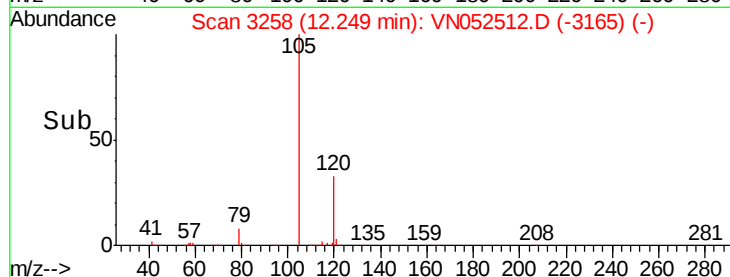
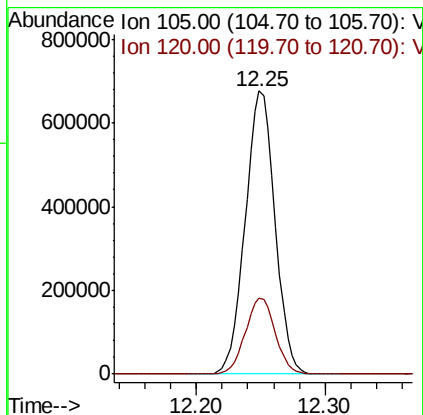
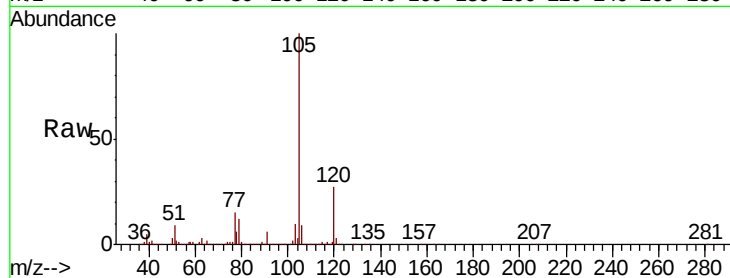
120 26.9 13.1 39.3

Manual Integrations

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11/29/2018 9:34:07 AM



#74

N-ethyl acetate

Concen: 21.468 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Tgt Ion: 43 Resp: 284771

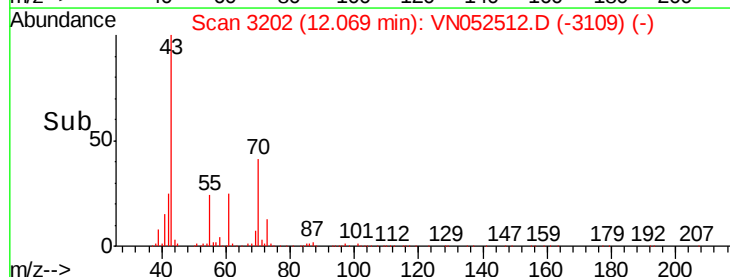
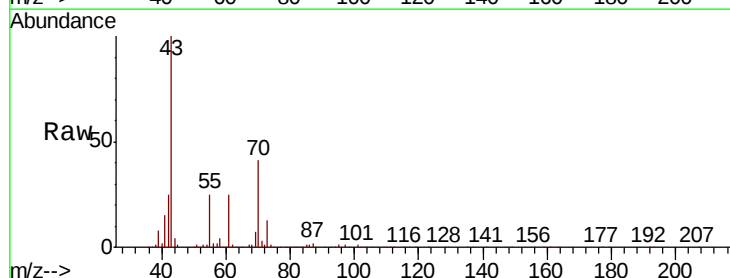
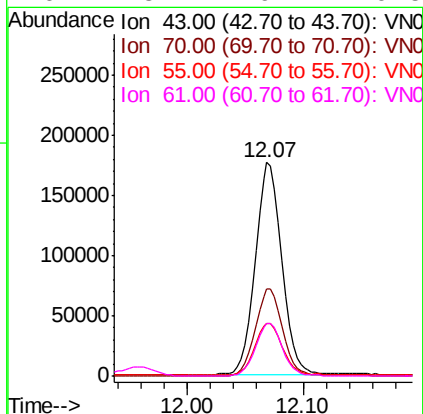
Ion Ratio Lower Upper

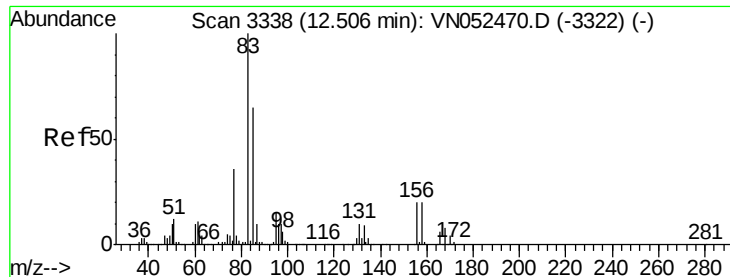
43 100

70 41.9 33.8 50.8

55 24.6 20.0 30.0

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.050 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion: 83 Resp: 239478
Ion Ratio Lower Upper

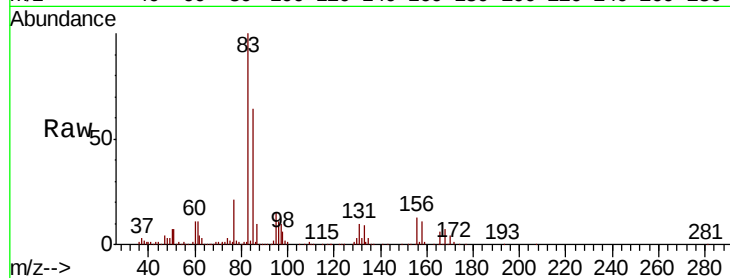
83 100

131 10.4 5.0 15.0

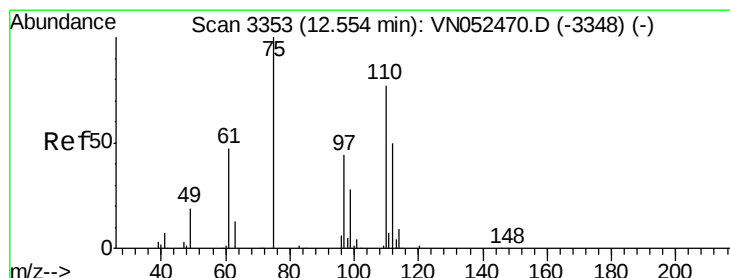
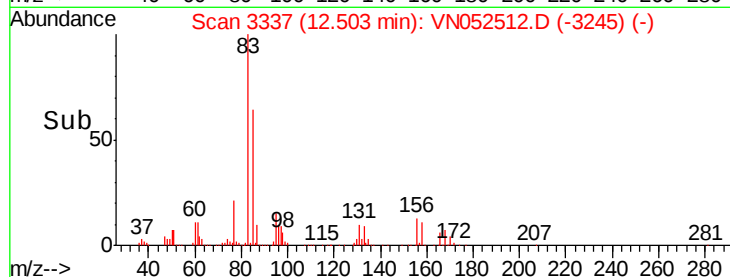
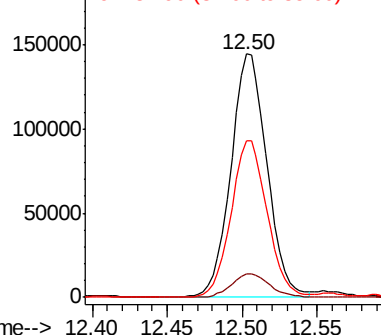
85 65.2 31.9 95.9

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



#76

1,2,3-Trichloropropane

Concen: 19.844 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

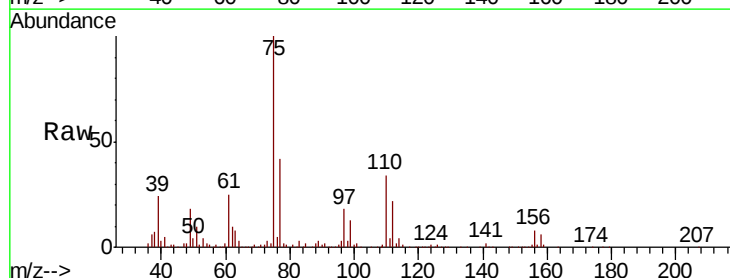
Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

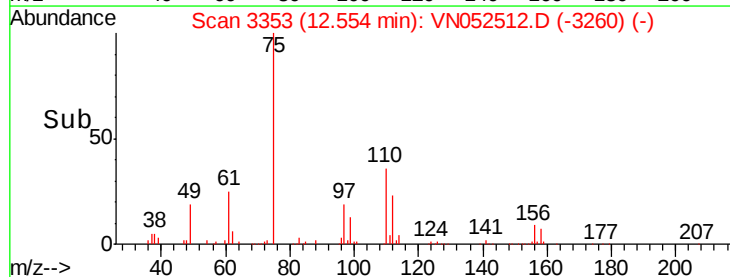
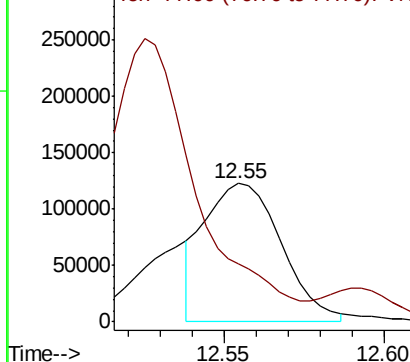
Tgt Ion: 75 Resp: 204795
Ion Ratio Lower Upper

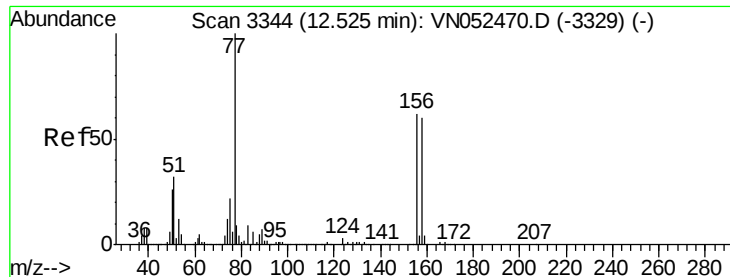
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.225 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

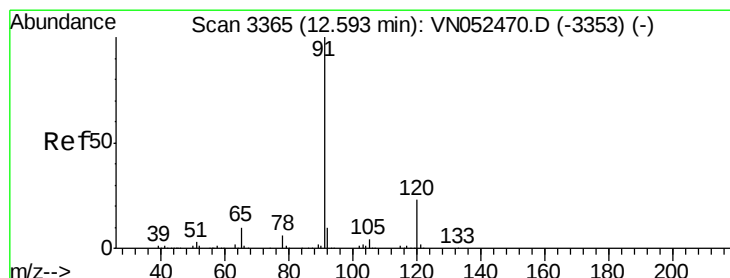
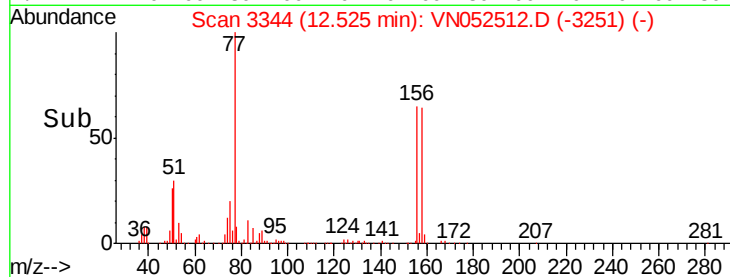
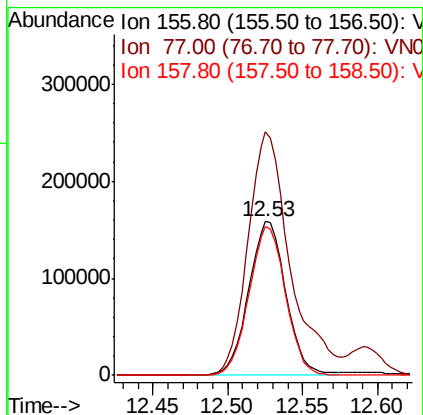
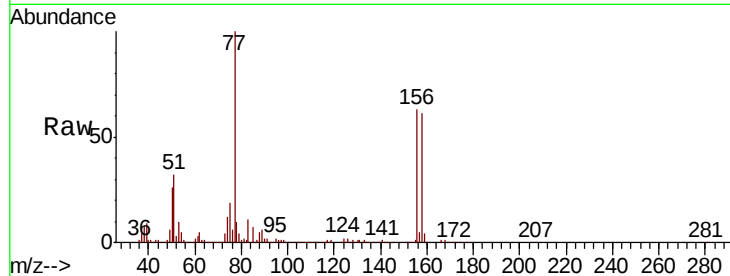
ClientSampleId :

VN1128MBS01

Tgt Ion:	156	Resp:	275462
Ion Ratio	Lower	Upper	
156	100		
77	179.2	93.5	280.4
158	94.1	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.659 ug/l

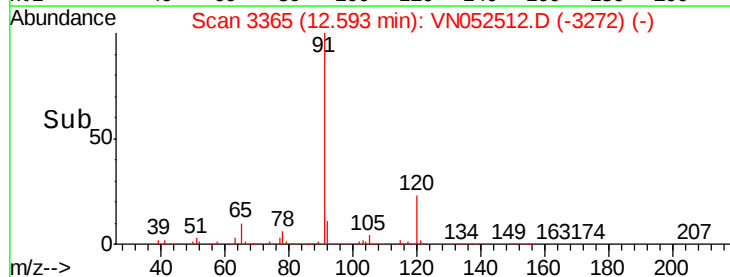
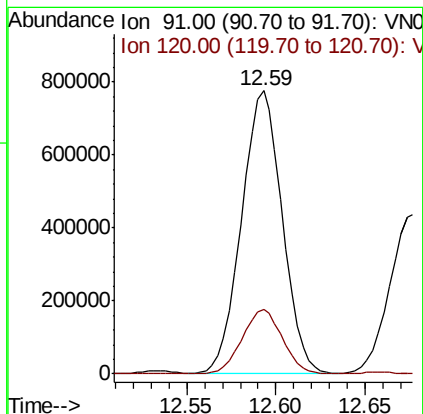
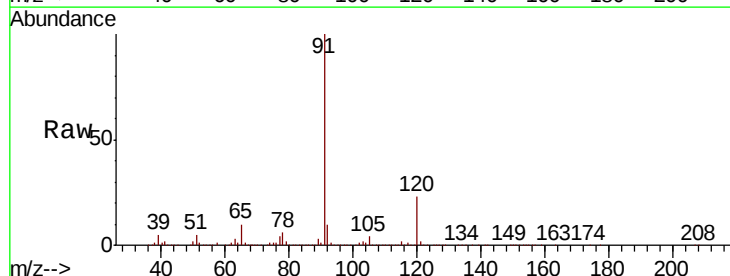
RT: 12.59 min Scan# 3365

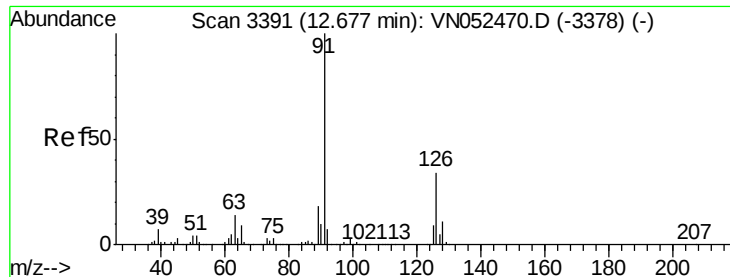
Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Tgt Ion:	91	Resp:	1232292
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9





#79

2-Chlorotoluene

Concen: 20.396 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion: 91 Resp: 724490

Ion Ratio Lower Upper

91 100

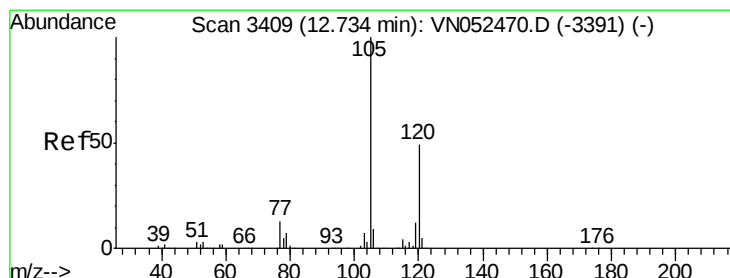
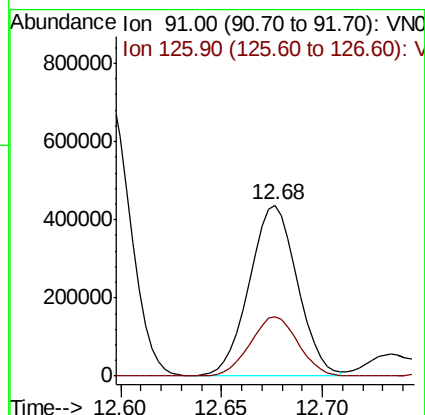
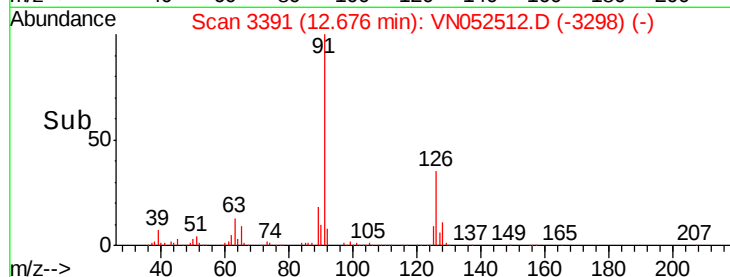
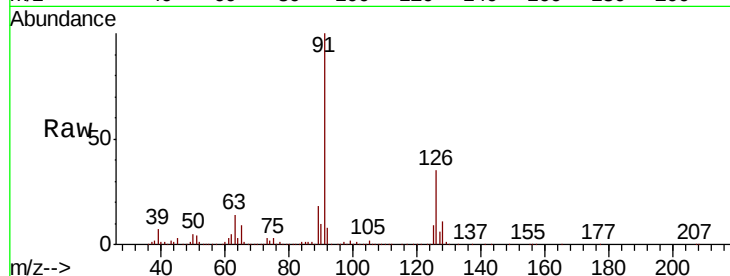
126 34.9 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 21.109 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052512.D

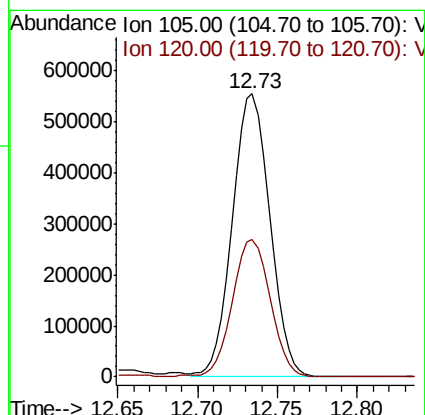
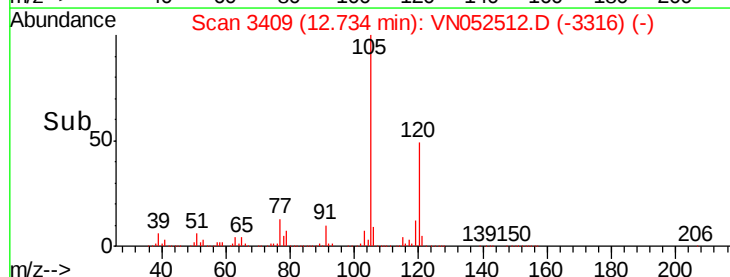
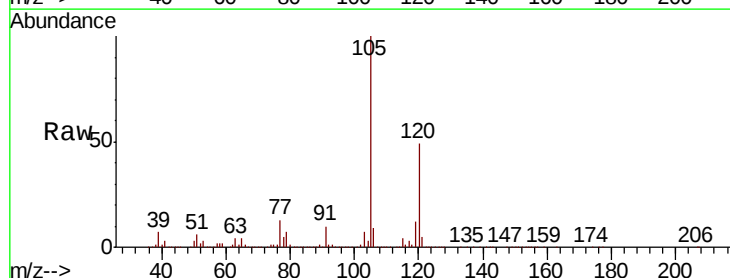
Acq: 28 Nov 2018 11:50

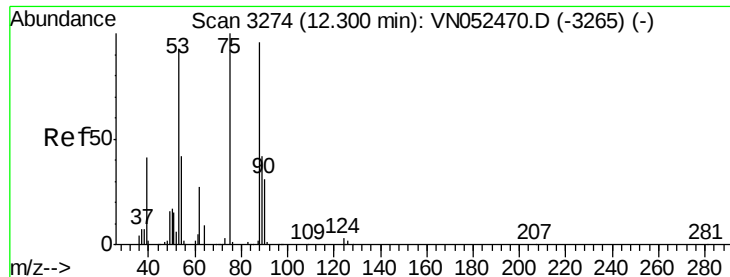
Tgt Ion: 105 Resp: 883956

Ion Ratio Lower Upper

105 100

120 49.1 24.3 73.0





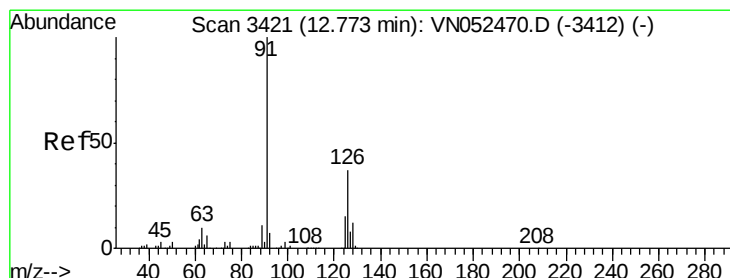
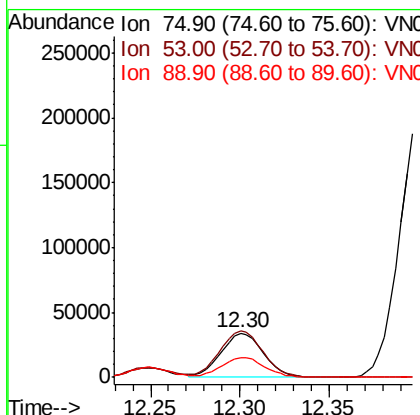
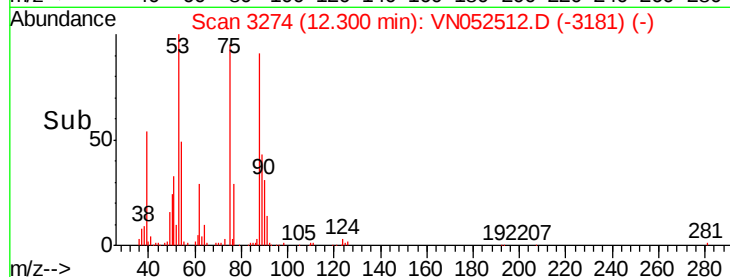
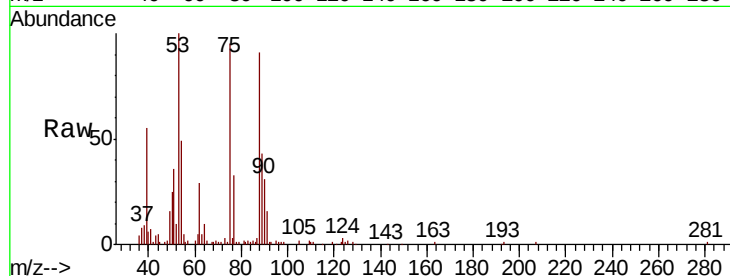
#81
trans-1,4-Dichloro-2-butene
Concen: 18.000 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.3	77.4	116.0
89	46.2	35.4	53.2

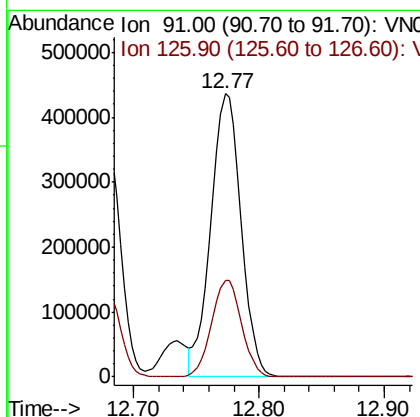
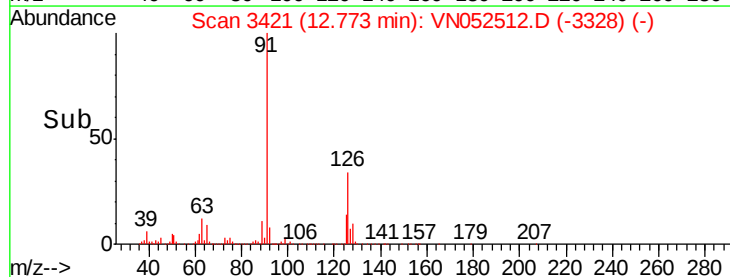
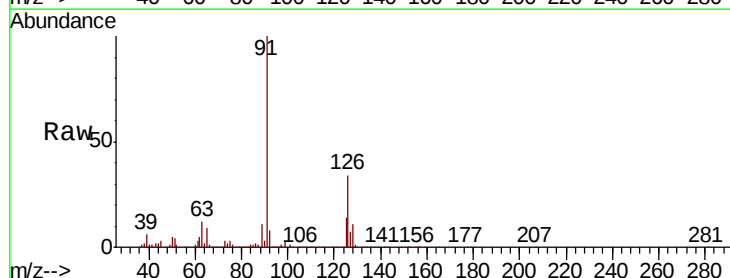
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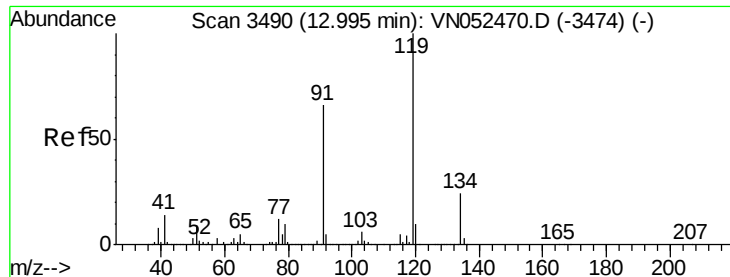
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#82
4-Chlorotoluene
Concen: 20.417 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6





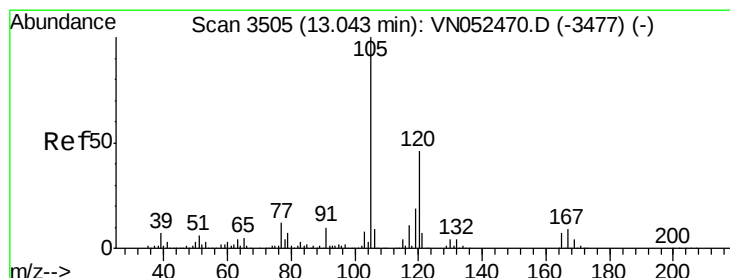
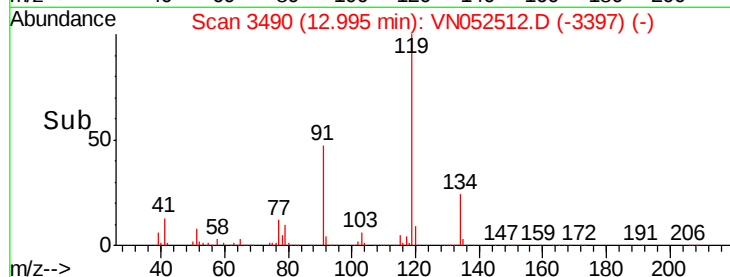
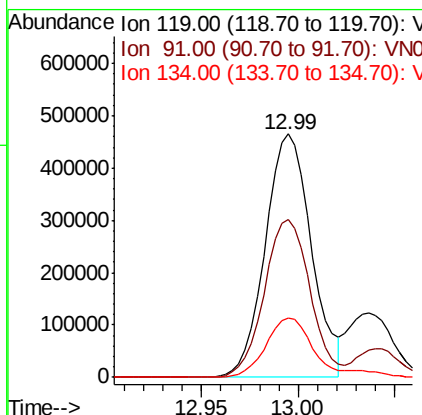
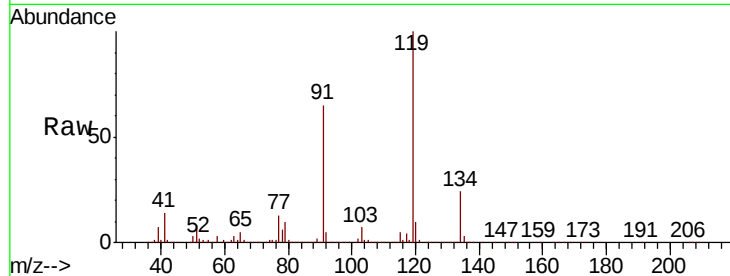
#83
 tert-Butylbenzene
 Concen: 20.632 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.3	96.9
134	26.4	13.0	38.9

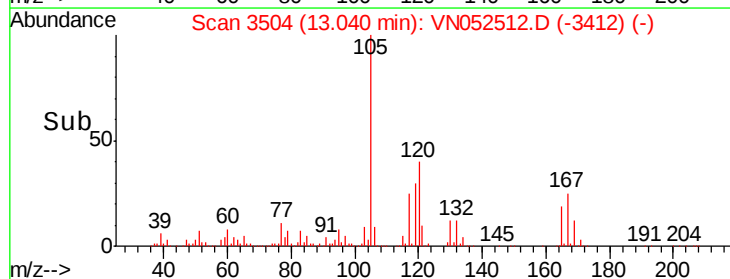
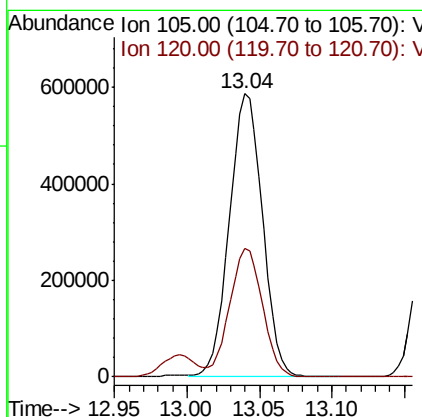
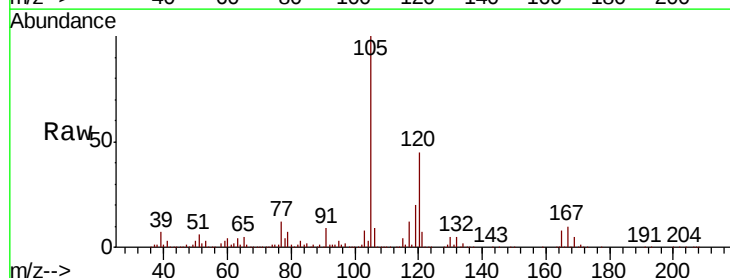
Manual Integrations
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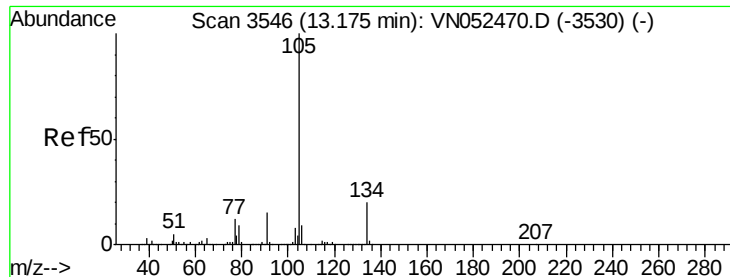
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.144 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.335 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VN1128MBS01

Tgt Ion:105 Resp: 1034007

Ion Ratio Lower Upper

105 100

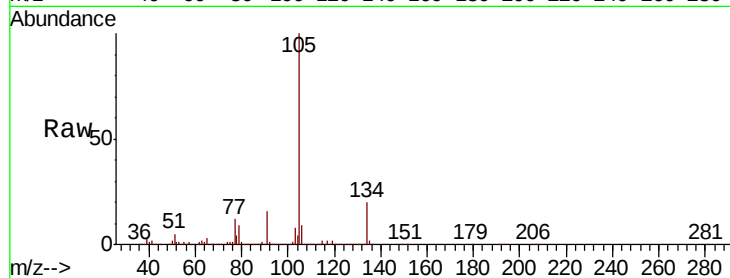
134 20.3 9.9 29.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

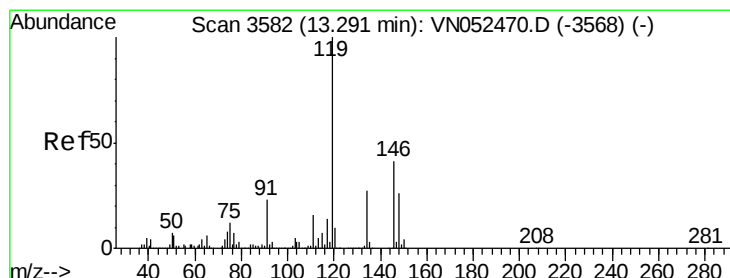
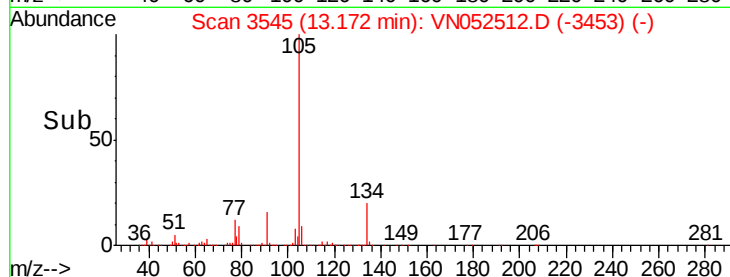
400000

200000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 20.560 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

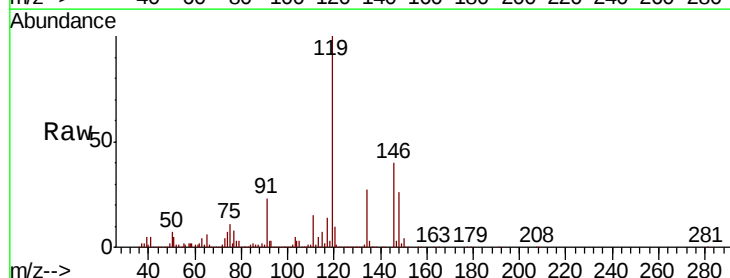
Tgt Ion:119 Resp: 890411

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

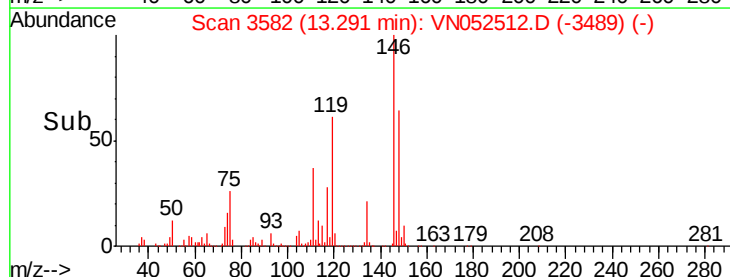
400000

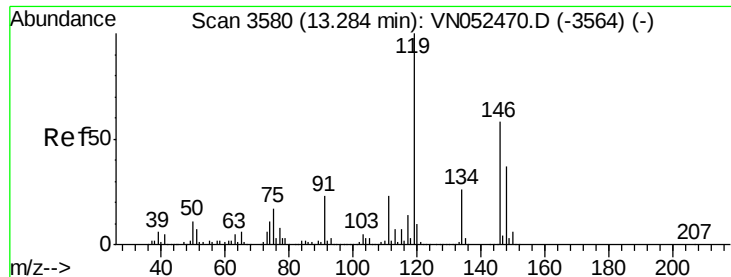
200000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.473 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

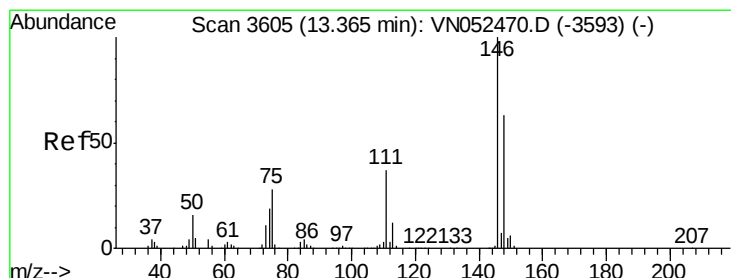
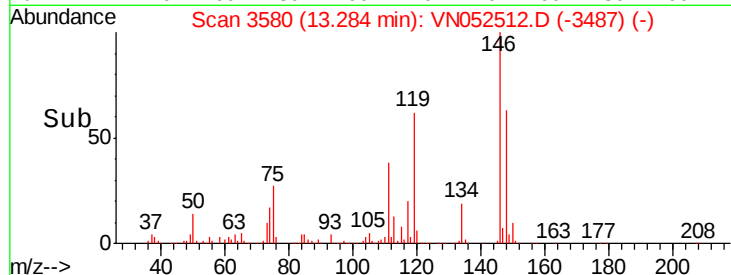
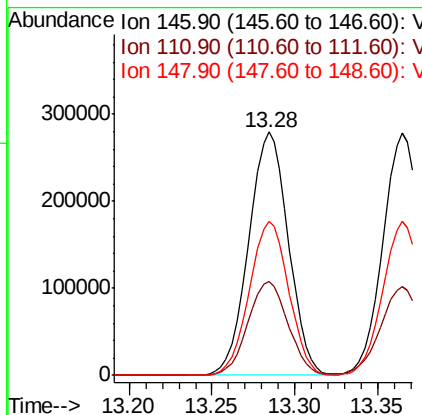
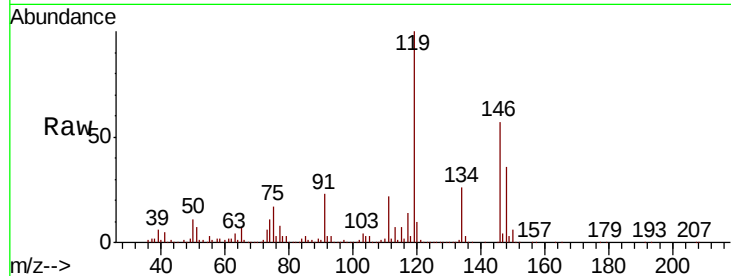
ClientSampleId :

VN1128MBS01

Tgt Ion:	146	Resp:	464770
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.4	58.4
148	62.8	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 20.156 ug/l

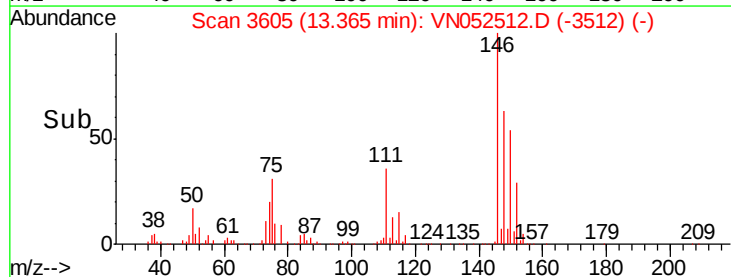
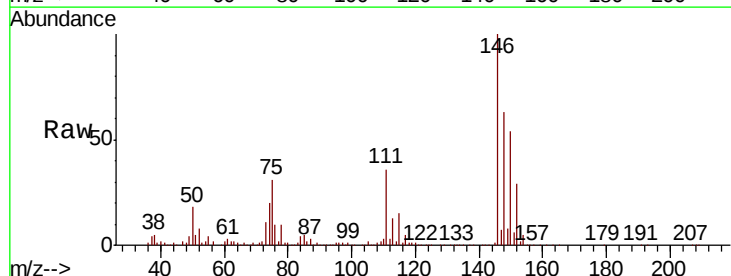
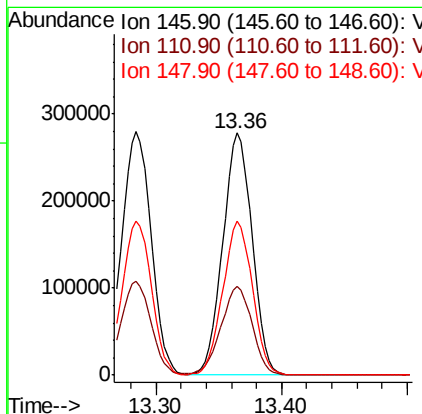
RT: 13.36 min Scan# 3605

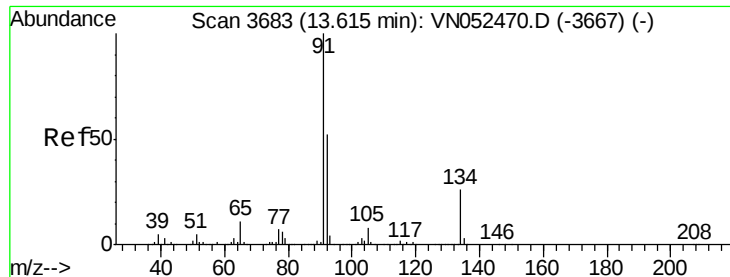
Delta R.T. -0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Tgt Ion:	146	Resp:	450718
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.6	56.0
148	64.5	31.9	95.9





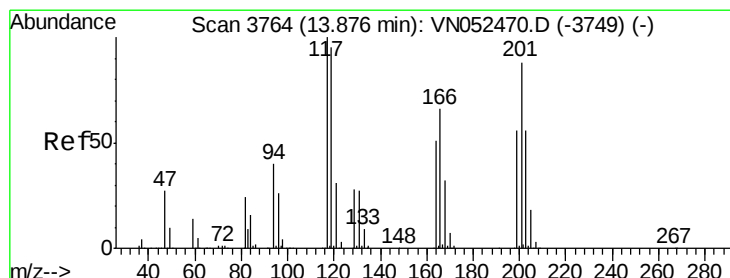
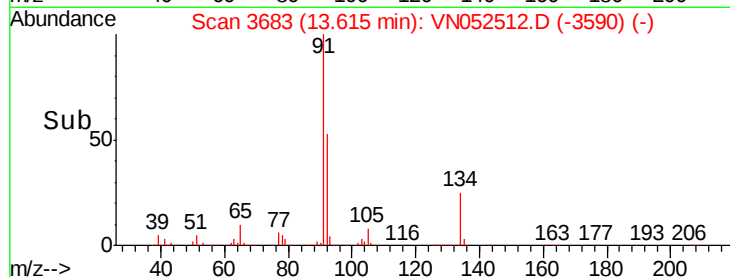
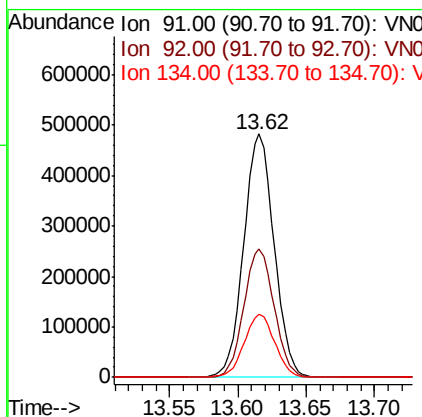
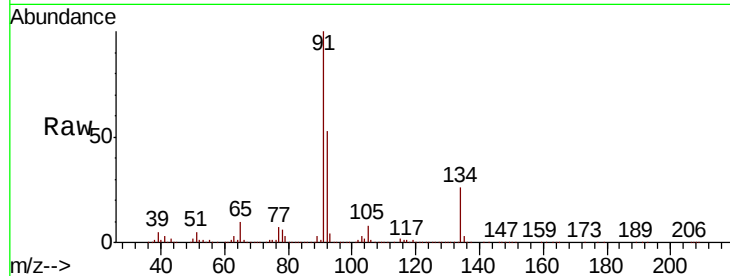
#89
n-Butylbenzene
Concen: 20.572 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VN1128MBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.1	78.3
134	26.2	13.0	38.9

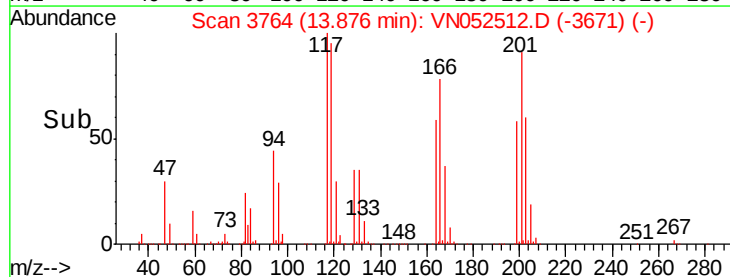
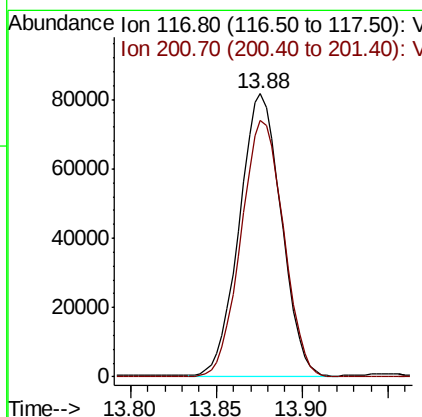
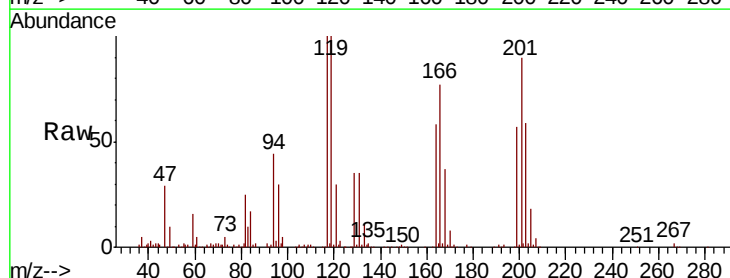
Manual Integrations
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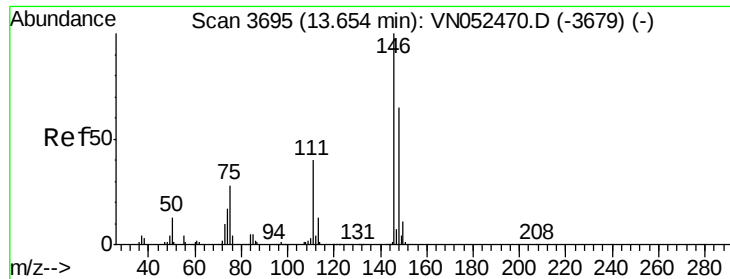
MMDadoda
11/29/2018 9:34:07 AM



#90
Hexachloroethane
Concen: 18.777 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052512.D
Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	43.6	130.9





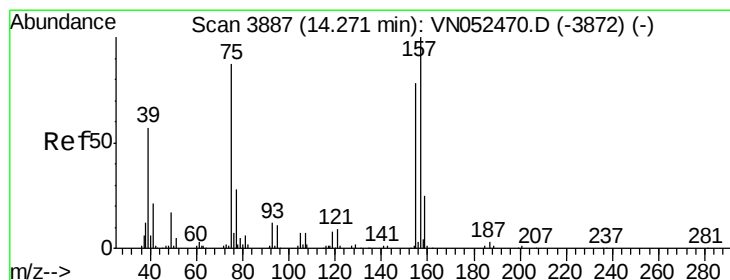
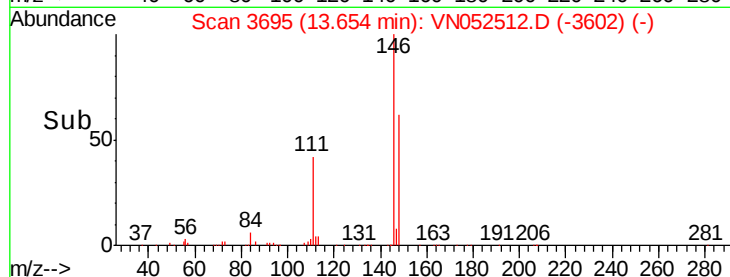
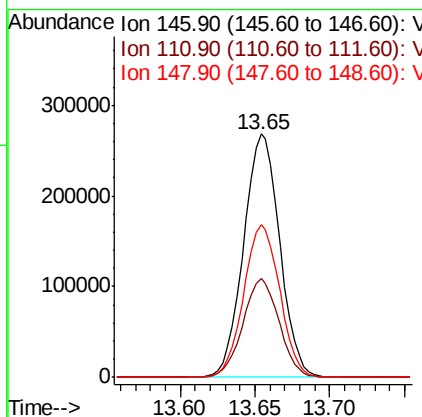
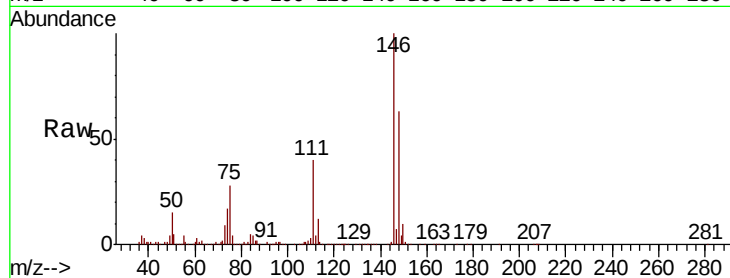
#91
 1,2-Dichlorobenzene
 Concen: 20.762 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	450298		
111	40.2	20.0	60.0	
148	62.7	32.0	96.2	

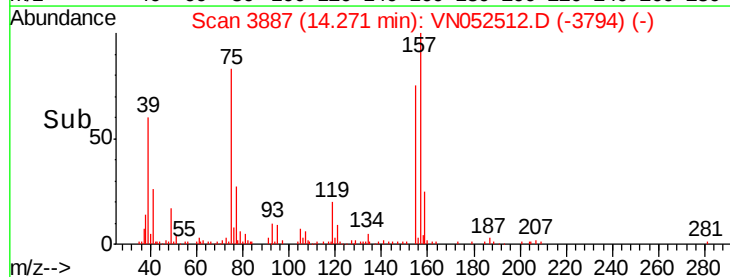
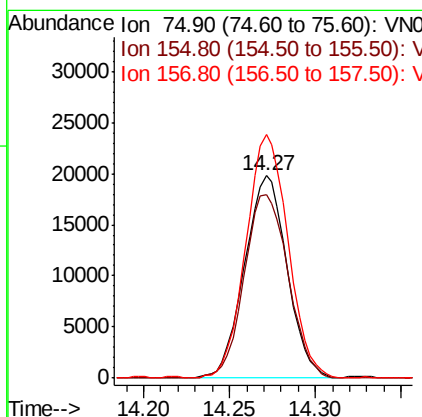
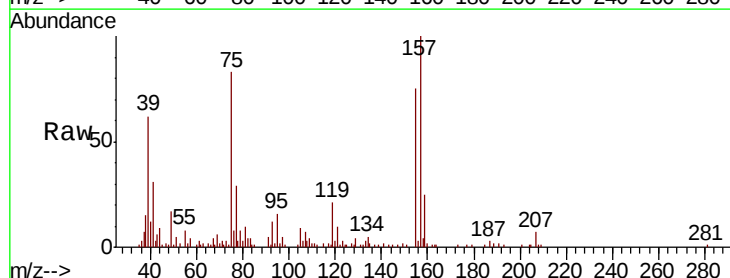
Manual Integrations
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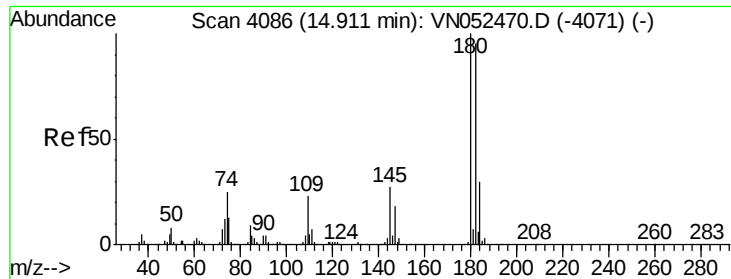
MMDadoda
 11/29/2018 9:34:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.815 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33850		
155	94.0	45.3	135.9	
157	119.6	58.1	174.2	





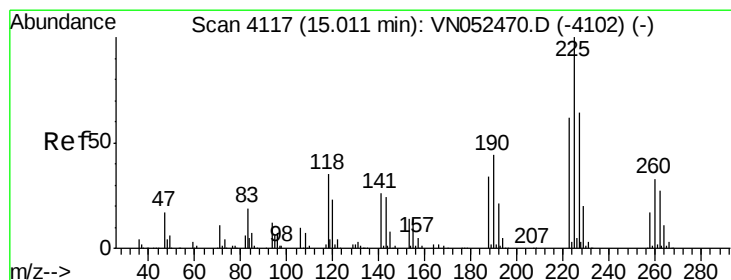
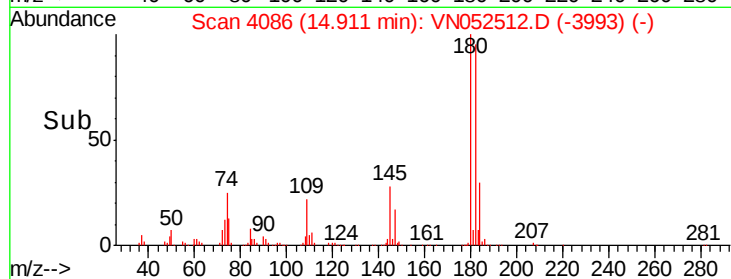
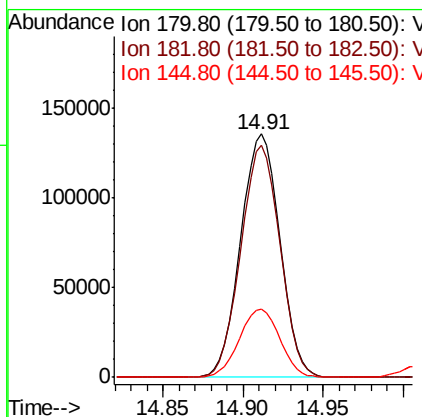
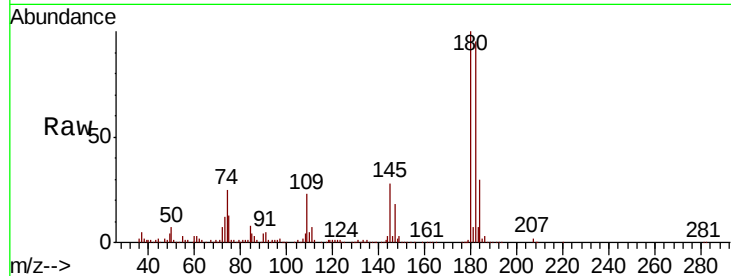
#93
 1,2,4-Trichlorobenzene
 Concen: 20.892 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128MBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	227482		
182	95.1	47.8	143.4	
145	28.6	14.1	42.3	

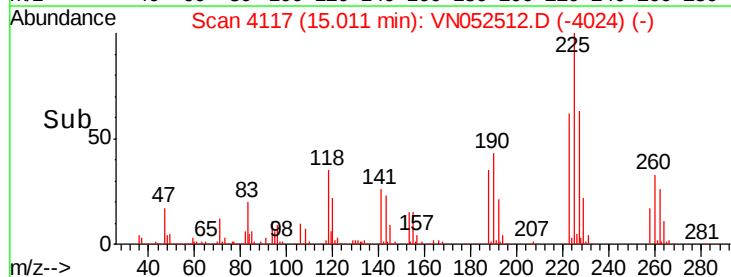
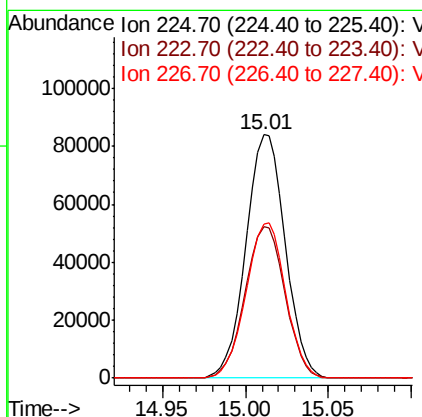
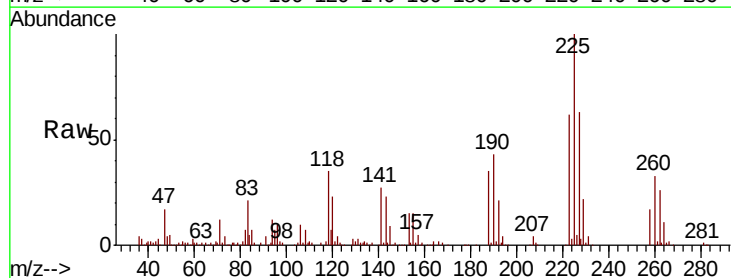
Manual Integrations
 APPROVED

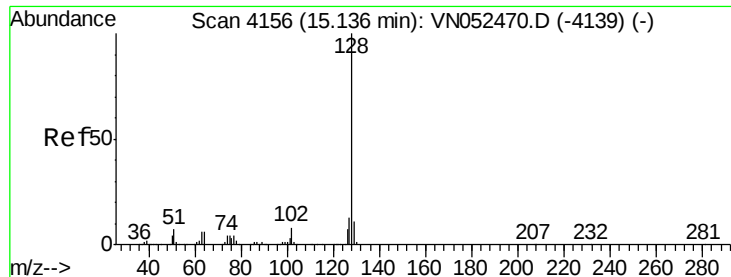
MMDadoda
 11/29/2018 9:34:07 AM



#94
 Hexachlorobutadiene
 Concen: 19.831 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052512.D
 Acq: 28 Nov 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138372		
223	63.2	31.4	94.2	
227	64.0	32.5	97.4	





#95

Naphthalene

Concen: 23.443 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Instrument :

MSVOA_N

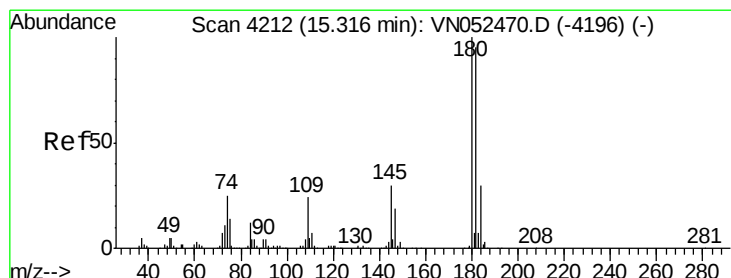
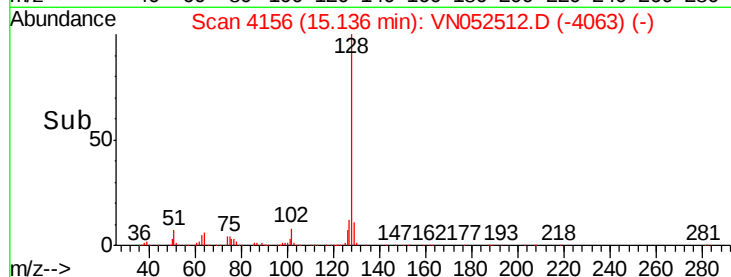
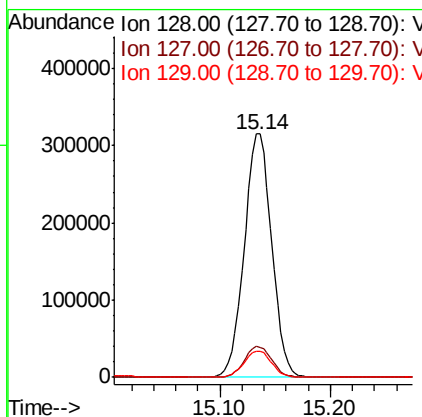
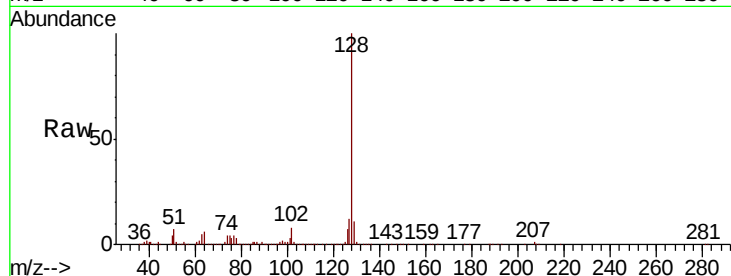
ClientSampleId :

VN1128MBS01

Tgt Ion:	128	Resp:	541434
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/29/2018 9:34:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.327 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052512.D

Acq: 28 Nov 2018 11:50

Tgt Ion:	180	Resp:	214914
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.8	143.3
145	30.5	15.2	45.5

