

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052499.D
 Acq On : 28 Nov 2018 1:12
 Operator : MD\SY
 Sample : VN1127WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1127WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:32:36 AM

Quant Time: Nov 28 07:31:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	174411	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1012127	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	870463	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	349254	29.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.97%
60) 4-Bromofluorobenzene	12.40	95	392468	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	1214292	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	188277	18.95	ug/l	100
3) Chloromethane	2.06	50	250535	19.02	ug/l	99
4) Vinyl Chloride	2.19	62	257268	19.35	ug/l	98
5) Bromomethane	2.58	94	147830	19.50	ug/l	99
6) Chloroethane	2.71	64	155707	19.69	ug/l	100
7) Trichlorofluoromethane	3.02	101	316441	19.28	ug/l	100
8) Diethyl Ether	3.41	74	118021	19.48	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	193565	18.61	ug/l	97
10) 1,1-Dichloroethene	3.74	96	190388	19.47	ug/l	97
11) Methyl Iodide	3.96	142	263486	19.40	ug/l	99
12) Methyl Acetate	4.33	43	158126	19.03	ug/l	96
13) Acrolein	3.61	56	90645	92.86	ug/l	100
14) Acrylonitrile	4.99	53	344049	97.17	ug/l	99
15) Acetone	3.82	58	74211	80.93	ug/l	98
16) Carbon Disulfide	4.06	76	555443	17.94	ug/l	100
17) Allyl chloride	4.33	41	293690	17.22	ug/l	97
18) Methylene Chloride	4.56	84	219105	19.35	ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	204461	19.43	ug/l	95
20) Diisopropyl ether	5.95	45	684762	19.10	ug/l	98
21) 1,1-Dichloroethane	5.85	63	393653	19.27	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	234206	19.42	ug/l	97
23) tert-Butyl Alcohol	4.78	59	57198	108.59	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	517512	20.17	ug/l	99
25) Chloroform	7.37	83	394682	20.02	ug/l	100
26) Cyclohexane	7.65	56	361717	18.77	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	293937	19.02	ug/l	100
30) 2-Butanone	6.83	43	374112	90.46	ug/l	97
31) 2,2-Dichloropropane	6.83	77	236148	16.60	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	311360	19.36	ug/l	98
33) Carbon Tetrachloride	7.77	117	268680	19.09	ug/l	99
34) Benzene	8.04	78	901447	19.40	ug/l	99
35) Methacrylonitrile	7.17	41	92151	17.96	ug/l	97
36) 1,2-Dichloroethane	8.12	62	270681	19.22	ug/l	99
37) Trichloroethene	8.84	130	230371	19.55	ug/l	97
38) Methylcyclohexane	9.08	83	352092	18.40	ug/l	98
39) 1,2-Dichloropropane	9.12	63	237131	19.04	ug/l	97
40) Dibromomethane	9.21	93	134476	19.98	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	285168	19.17	ug/l	98
42) Vinyl Acetate	5.90	43	2111552	94.36	ug/l	98
43) Ethyl Acetate	6.93	43	183267	20.84	ug/l #	72
44) Isopropyl Acetate	8.16	43	316765	20.54	ug/l	98
45) 1,4-Dioxane	9.20	88	35709	423.21	ug/l	94
46) Methyl methacrylate	9.20	41	157788	19.70	ug/l	98
47) n-amyl Acetate	12.07	43	241333	18.87	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	264427	18.34	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	322222	18.34	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	190788	19.99	ug/l	99
51) Ethyl methacrylate	10.43	69	236892	19.77	ug/l	96
52) 1,3-Dichloropropane	10.71	76	332808	19.60	ug/l	98
53) Dibromochloromethane	10.90	129	202503	19.28	ug/l	97
54) 1,2-Dibromoethane	11.01	107	185185	19.86	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	702245	100.11	ug/l	99
56) Bromoform	12.13	173	132456	19.29	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	878343	104.08	ug/l	99
59) 2-Hexanone	10.75	43	561716	97.44	ug/l	98
61) Tetrachloroethene	10.63	164	226035	21.08	ug/l	95
62) Toluene	10.16	91	969520	20.20	ug/l	100
64) Chlorobenzene	11.44	112	581089	19.84	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	201436	19.81	ug/l	99
66) Ethyl Benzene	11.51	91	1022217	19.77	ug/l	98
67) m/p-Xylenes	11.62	106	777255	40.34	ug/l	99
68) o-Xylene	11.95	106	382094	20.43	ug/l	98
69) Styrene	11.97	104	591872	19.61	ug/l	99
70) Isopropylbenzene	12.25	105	1001629	20.13	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	225090	20.80	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	190030m	20.45	ug/l	
73) Bromobenzene	12.53	156	242421	20.14	ug/l	97
74) n-propylbenzene	12.59	91	1125596	19.41	ug/l	99
75) 2-Chlorotoluene	12.68	91	677198	20.12	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	806797	20.07	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	51722	17.62	ug/l	93
78) 4-Chlorotoluene	12.77	91	652948	19.43	ug/l	100
79) tert-butylbenzene	12.99	119	712015	20.34	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	807016	20.07	ug/l	100
81) sec-Butylbenzene	13.17	105	955906	19.61	ug/l	100
82) p-Isopropyltoluene	13.29	119	811936	19.56	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	412855	19.51	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	397689	19.45	ug/l	99
85) n-Butylbenzene	13.62	91	640091	17.95	ug/l	99
86) Hexachloroethane	13.88	117	130578	18.56	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	401920	19.95	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30651	20.22	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	180548	18.19	ug/l	99
90) Hexachlorobutadiene	15.01	225	125410	19.27	ug/l	99
91) Naphthalene	15.14	128	374132	18.67	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	172781	18.89	ug/l	97

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

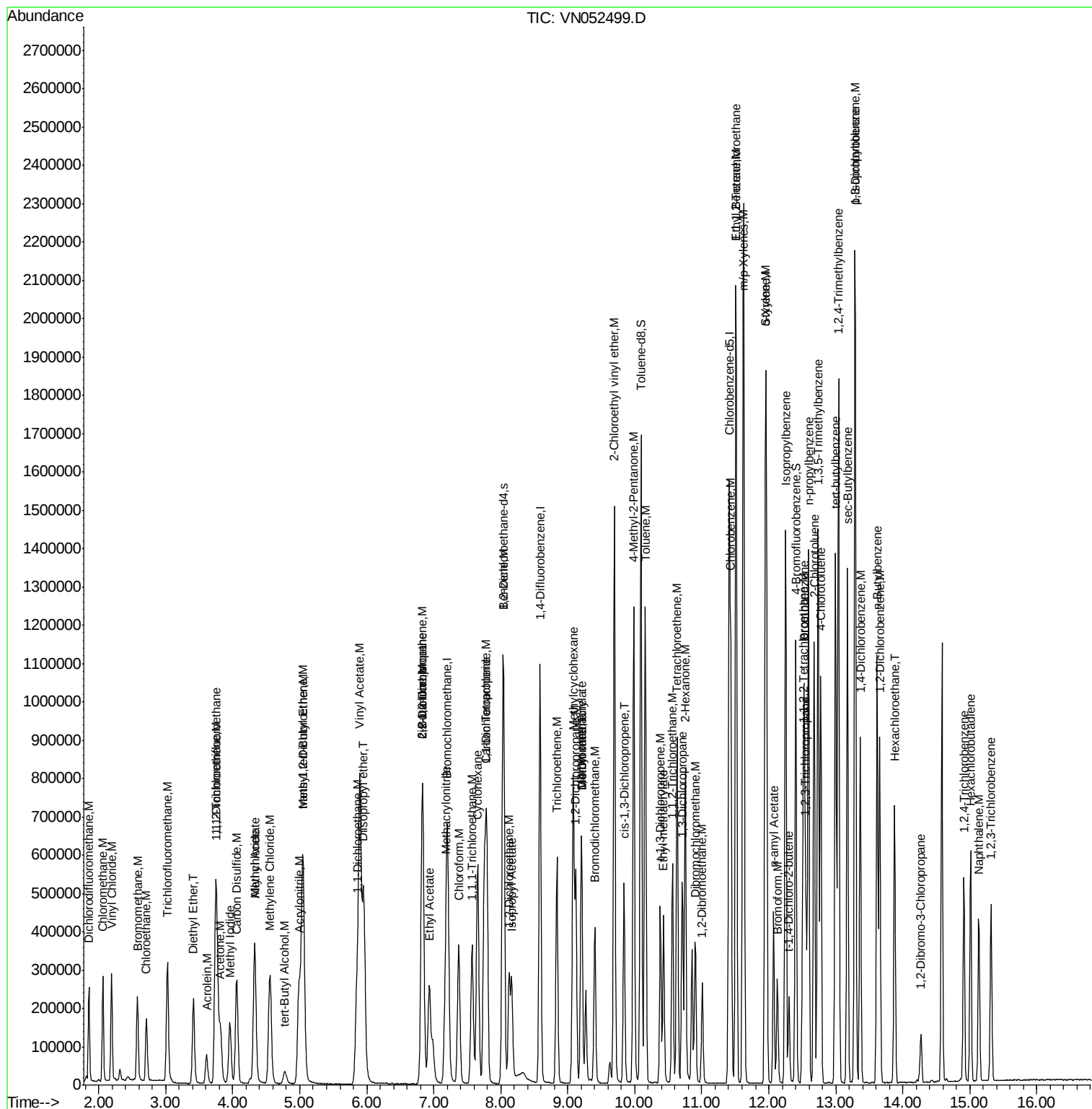
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
Data File : VN052499.D
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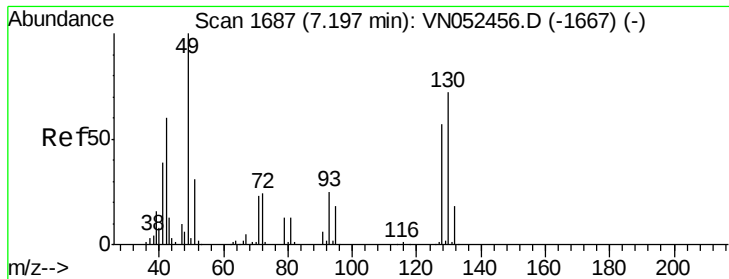
Instrument :
MSVOA_N
Client Sample Id :
VN1127WBSD02

Manual Integrations
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

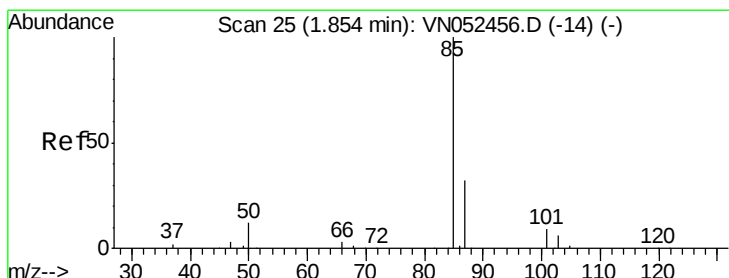
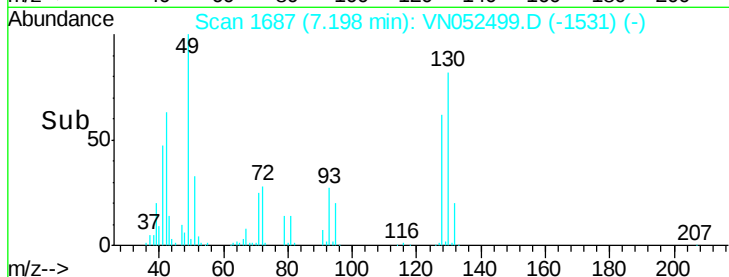
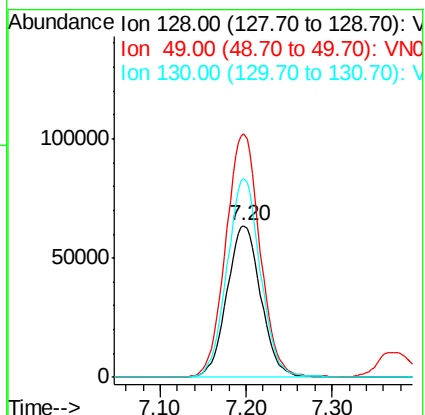
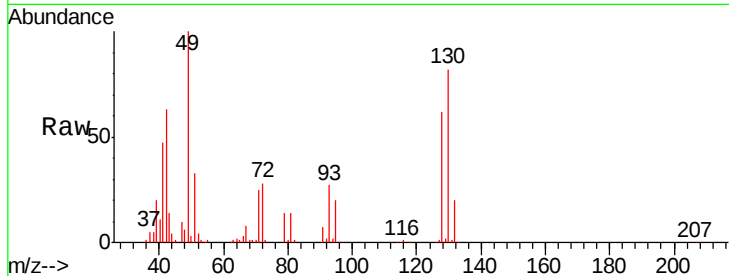
ClientSampleId :

VN1127WBSD02

Tgt	Ion	128	Resp:	174411
Ion	Ratio	Lower	Upper	
128	100			
49	161.2	0.0	431.8	
130	129.1	0.0	317.0	

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.95 ug/l

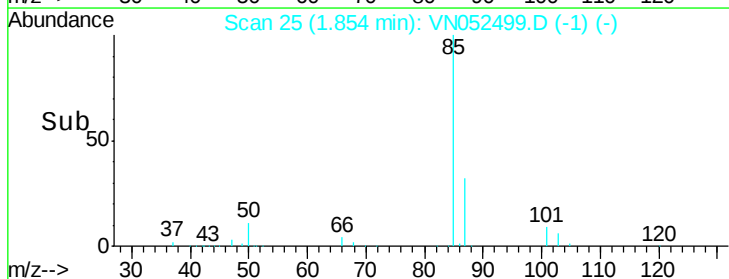
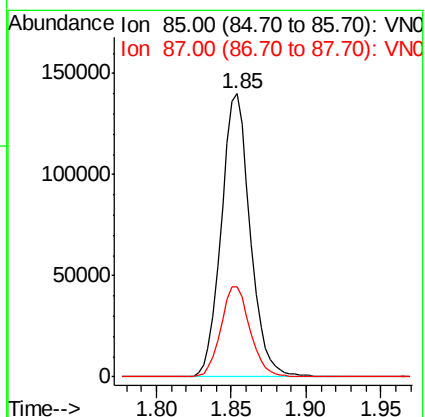
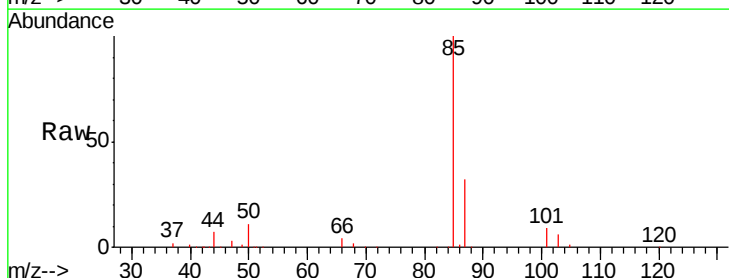
RT: 1.85 min Scan# 25

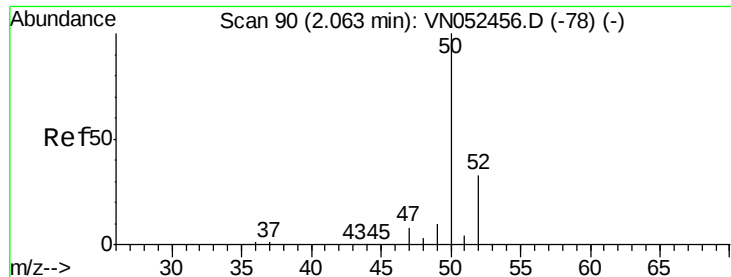
Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Tgt	Ion	85	Resp:	188277
Ion	Ratio	Lower	Upper	
85	100			
87	32.1	16.1	48.3	





#3

Chloromethane

Concen: 19.02 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 50 Resp: 250535

Ion Ratio Lower Upper

50 100

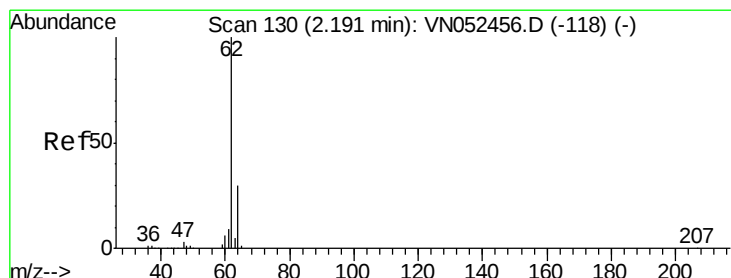
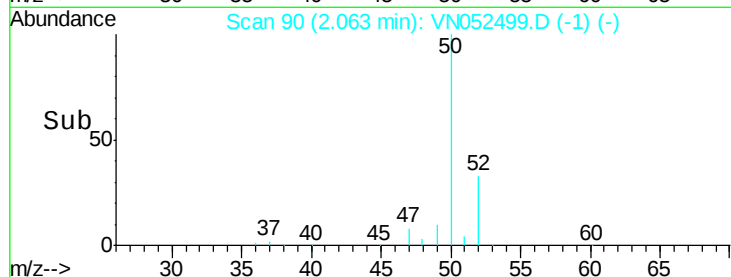
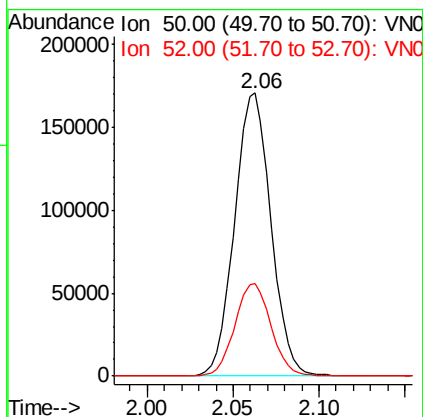
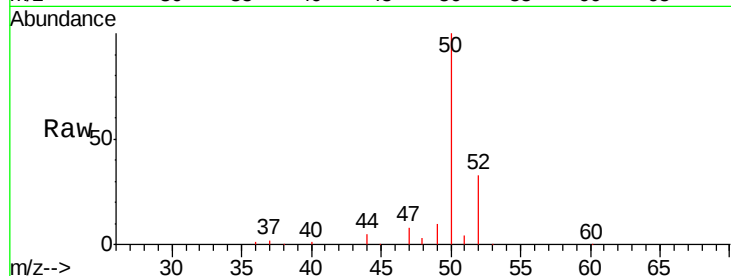
52 32.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.35 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052499.D

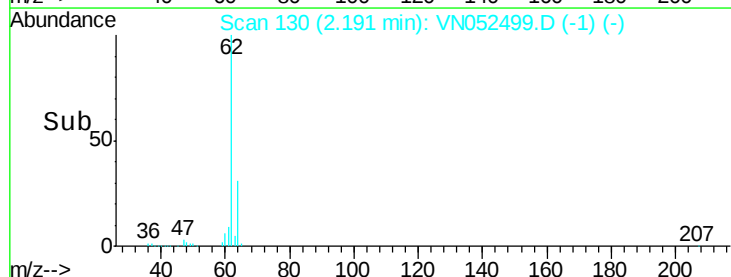
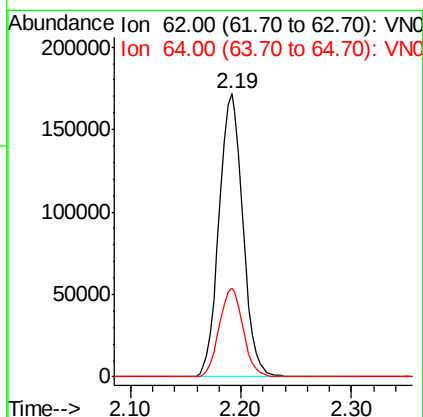
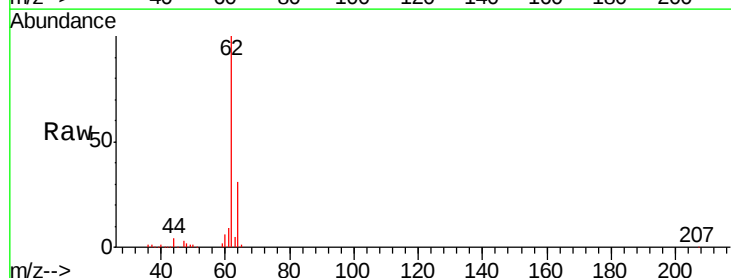
Acq: 28 Nov 2018 1:12

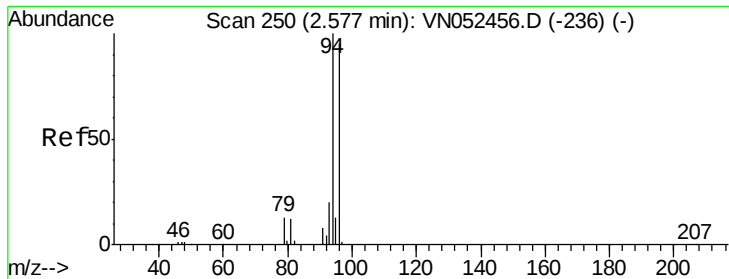
Tgt Ion: 62 Resp: 257268

Ion Ratio Lower Upper

62 100

64 31.5 24.2 36.4





#5

Bromomethane

Concen: 19.50 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 94 Resp: 147830

Ion Ratio Lower Upper

94 100

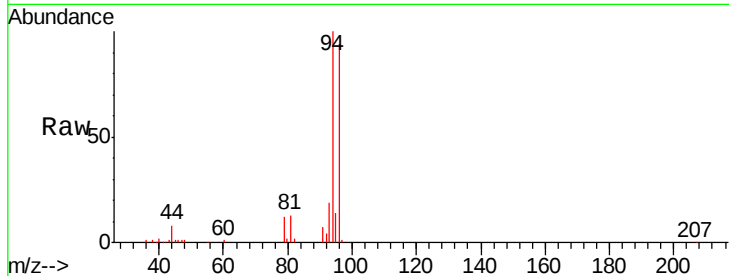
96 94.1 76.2 114.2

Manual Integrations

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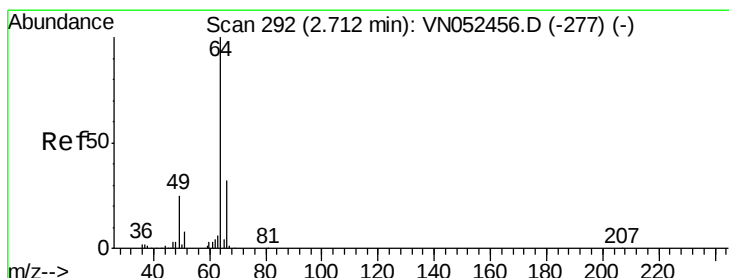
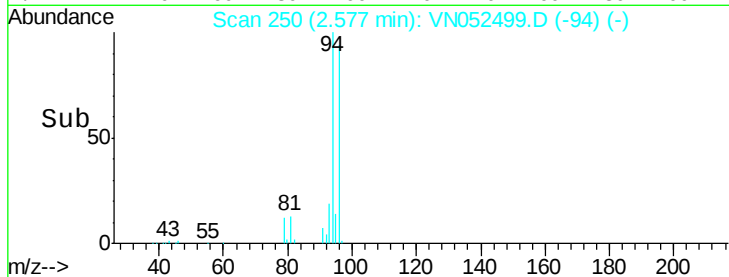
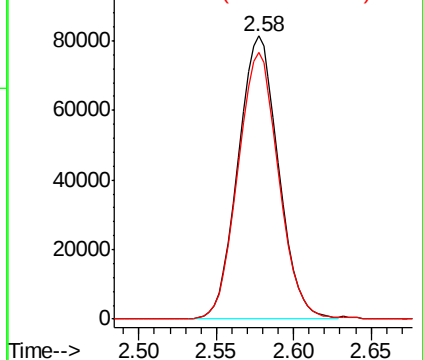
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.69 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052499.D

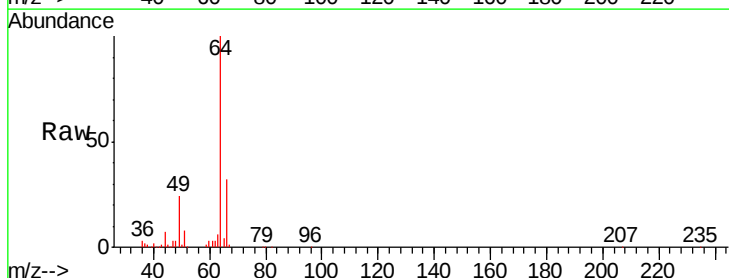
Acq: 28 Nov 2018 1:12

Tgt Ion: 64 Resp: 155707

Ion Ratio Lower Upper

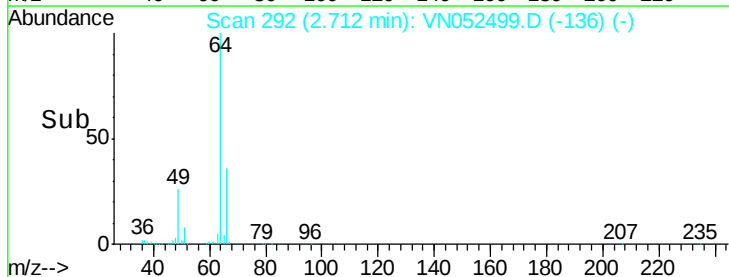
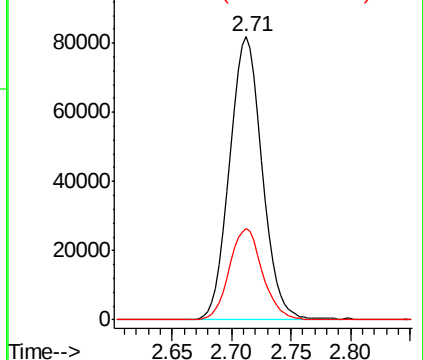
64 100

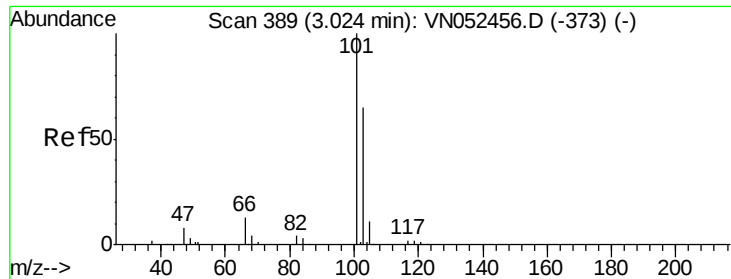
66 32.1 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

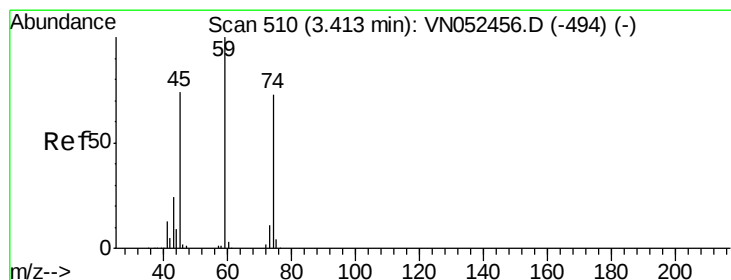
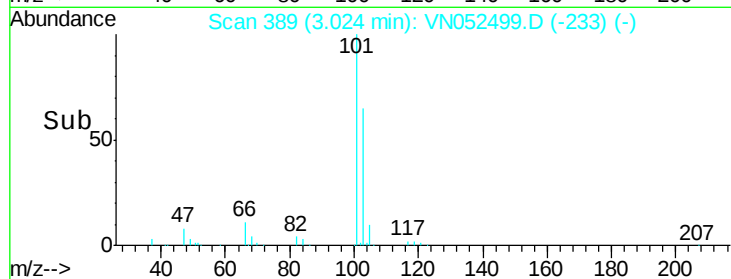
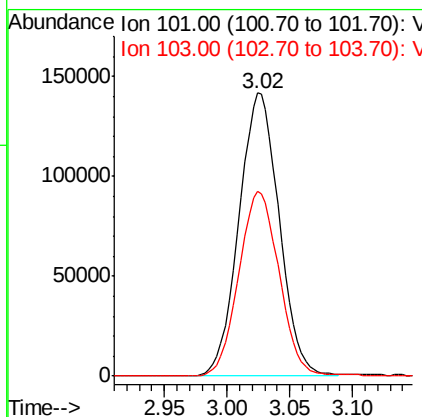
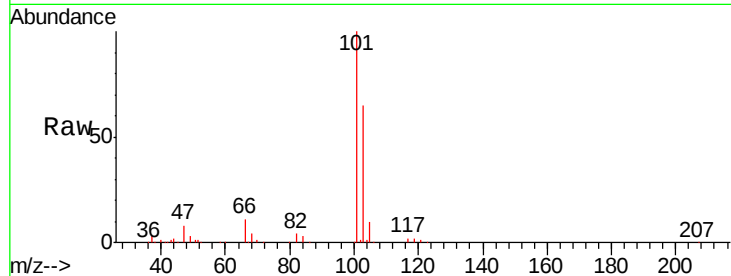
Trichlorofluoromethane
 Concen: 19.28 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
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 ClientSampleId :
 VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

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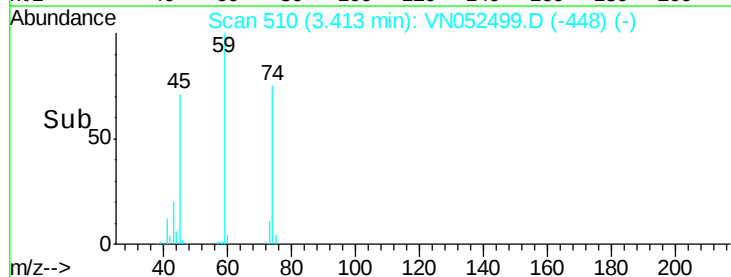
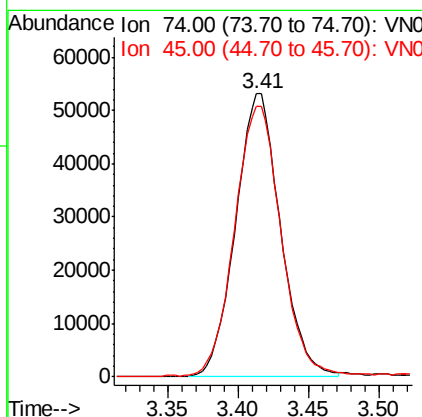
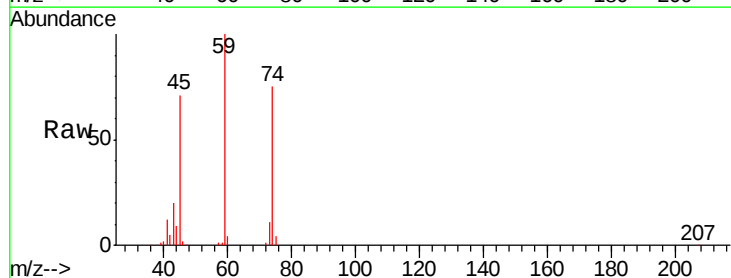
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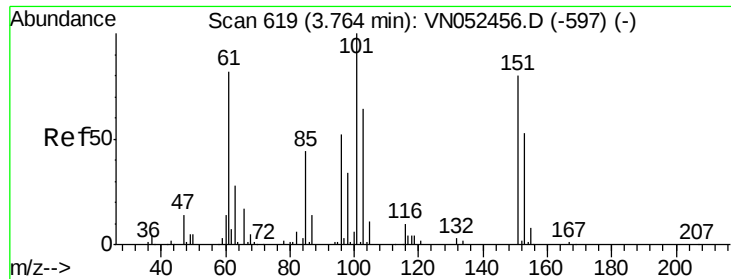


#8

Diethyl Ether
 Concen: 19.48 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.61 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

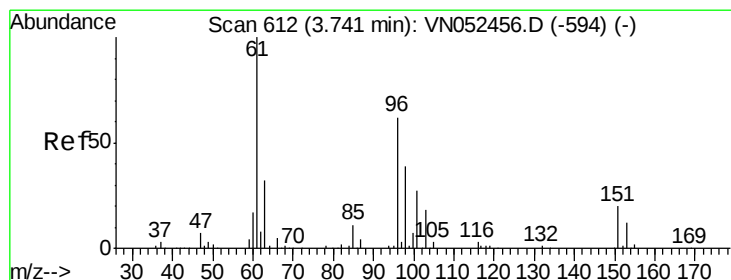
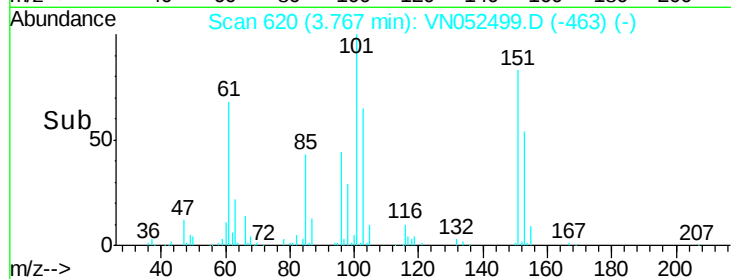
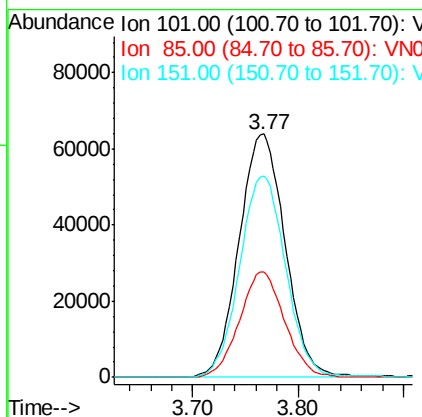
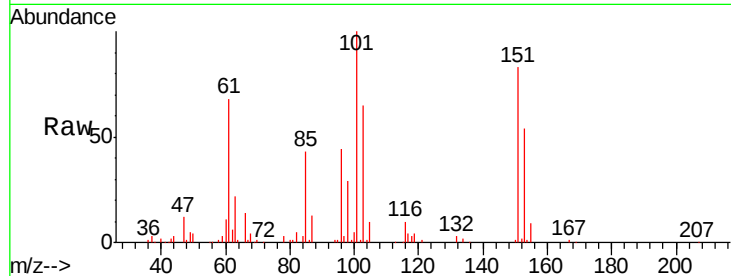
ClientSampleId :

VN1127WBSD02

Tgt Ion:	101	Resp:	193565
Ion Ratio	Lower	Upper	
101	100		
85	42.5	0.0	82.6
151	82.9	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 19.47 ug/l

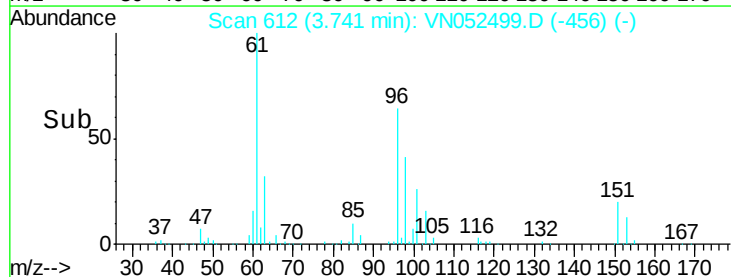
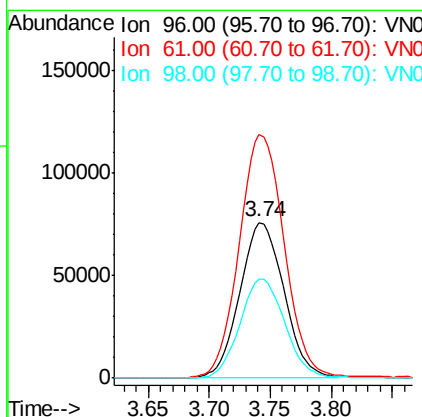
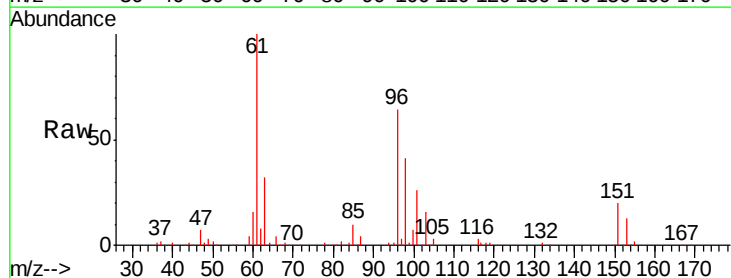
RT: 3.74 min Scan# 612

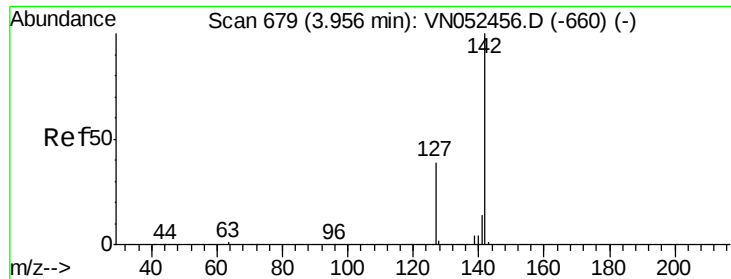
Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Tgt Ion:	96	Resp:	190388
Ion Ratio	Lower	Upper	
96	100		
61	156.3	129.4	194.2
98	64.0	50.4	75.6





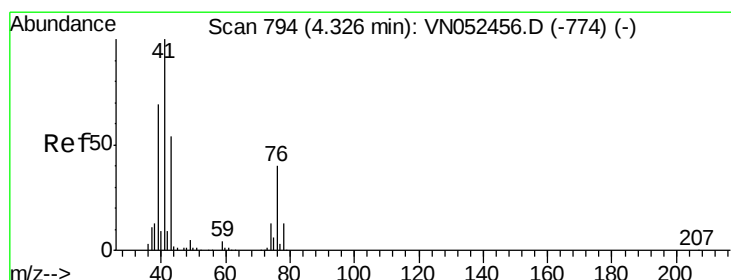
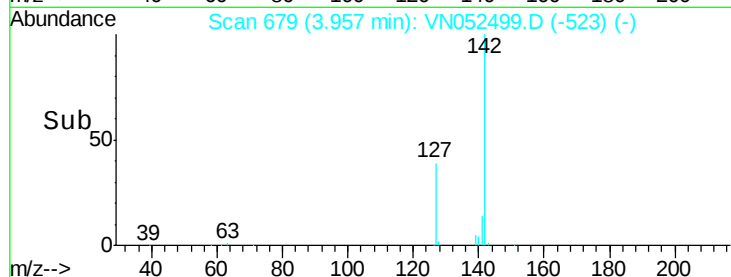
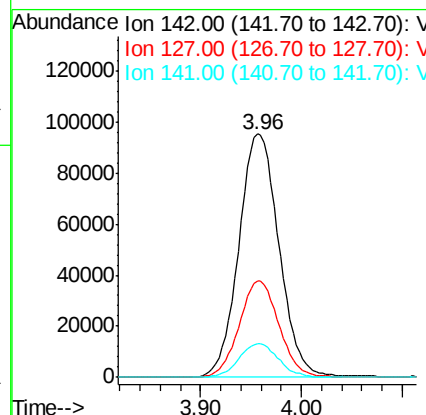
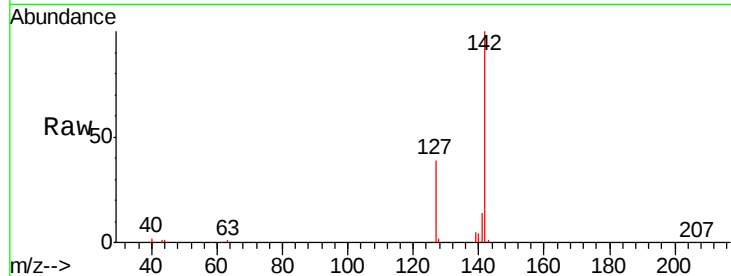
#11
Methyl Iodide
Concen: 19.40 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.5	19.4	58.1
141	13.8	7.2	21.6

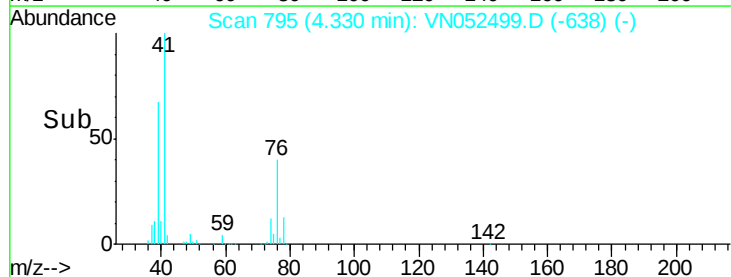
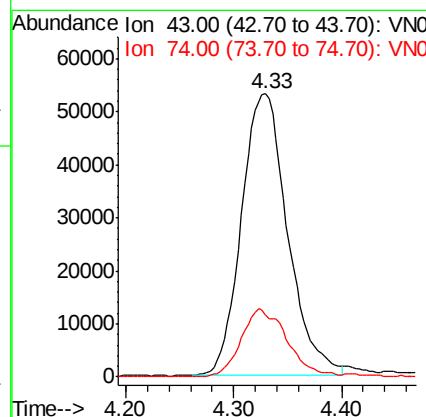
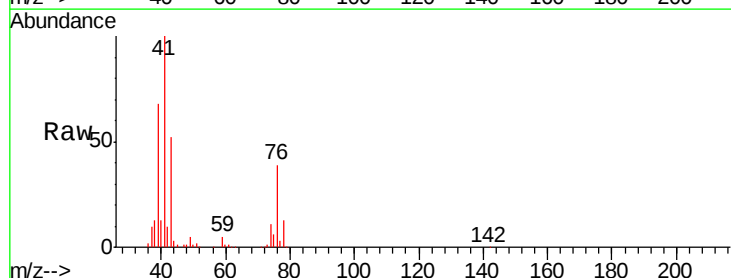
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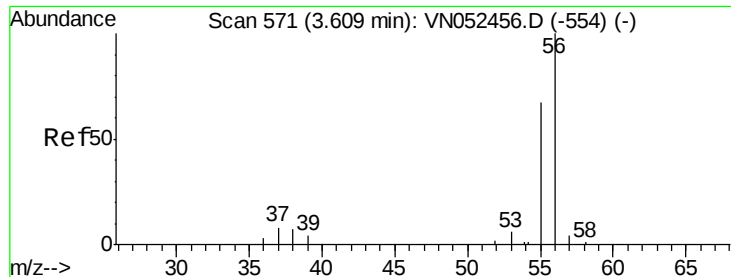
MMDadoda
11/28/2018 9:32:36 AM



#12
Methyl Acetate
Concen: 19.03 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	18.9	28.3





#13

Acrolein

Concen: 92.86 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 56 Resp: 90645

Ion Ratio Lower Upper

56 100

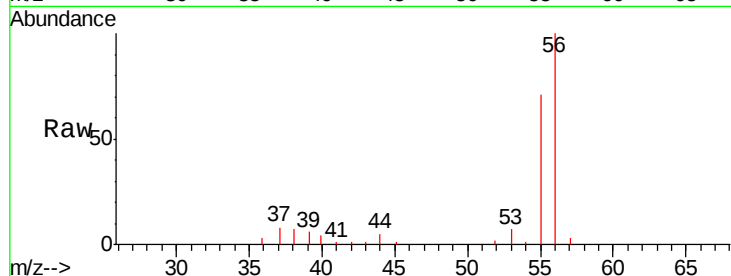
55 70.7 56.7 85.1

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

30000

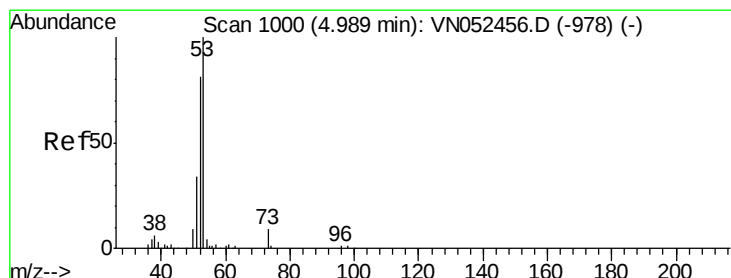
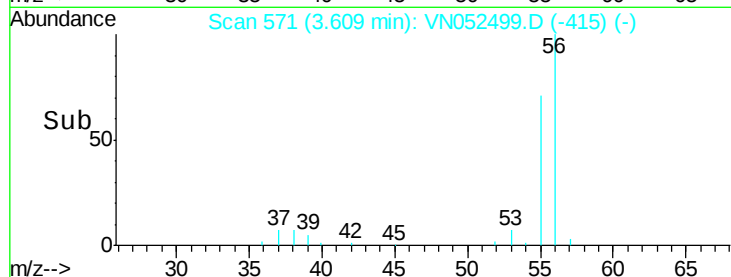
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Acrylonitrile

Concen: 97.17 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

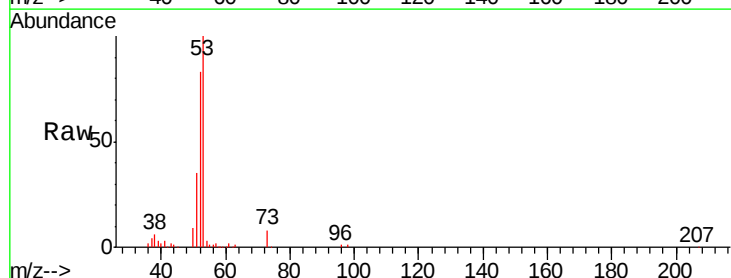
Tgt Ion: 53 Resp: 344049

Ion Ratio Lower Upper

53 100

52 81.3 39.9 119.7

51 35.4 17.6 52.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

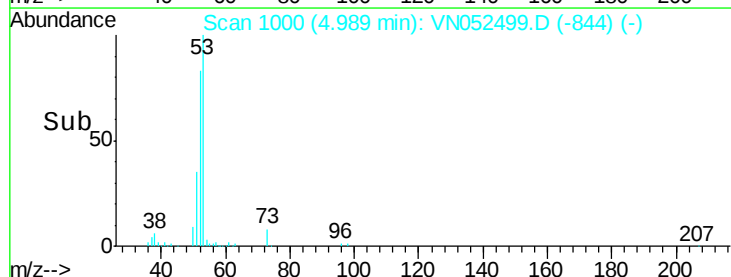
100000

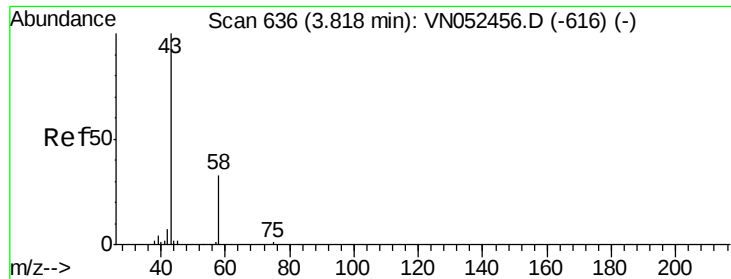
50000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 80.93 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 58 Resp: 74211

Ion Ratio Lower Upper

58 100

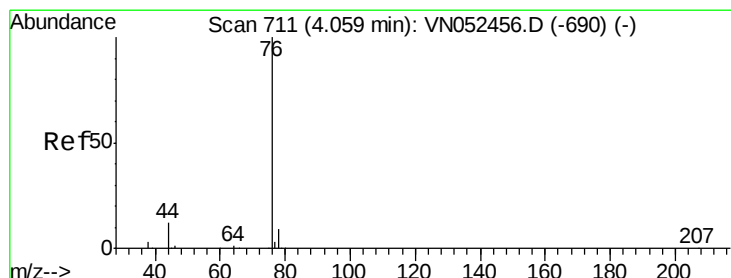
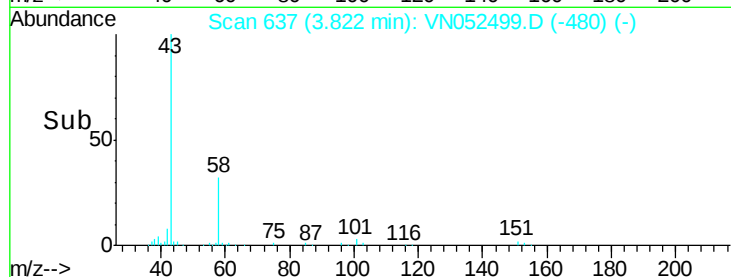
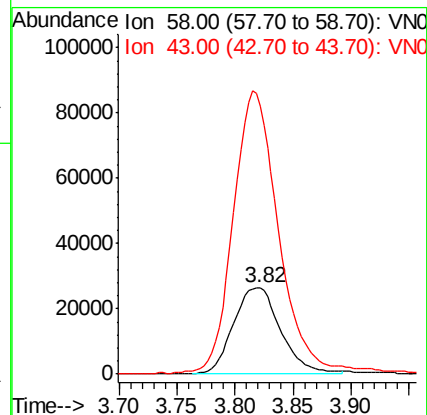
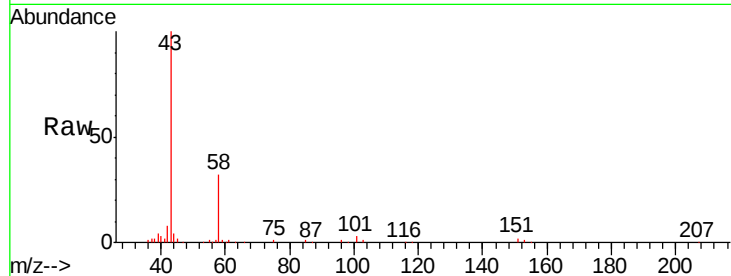
43 308.5 243.6 365.4

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.94 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052499.D

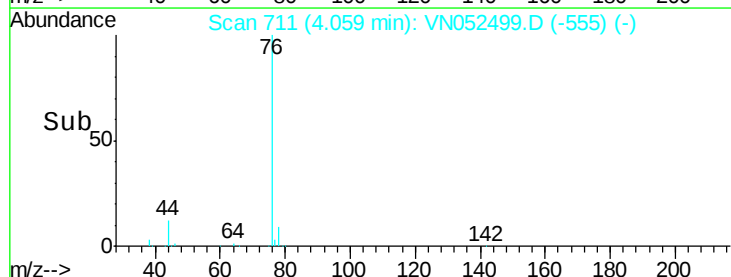
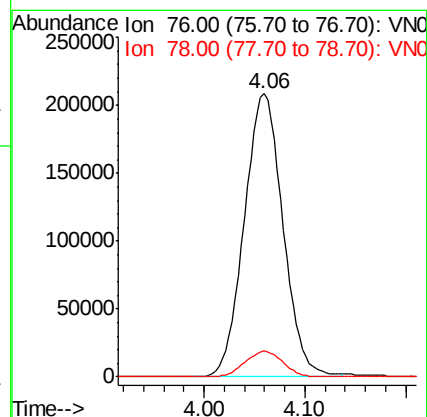
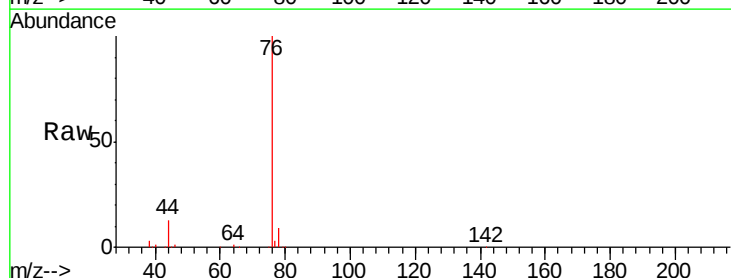
Acq: 28 Nov 2018 1:12

Tgt Ion: 76 Resp: 555443

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#17

Allyl chloride

Concen: 17.22 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

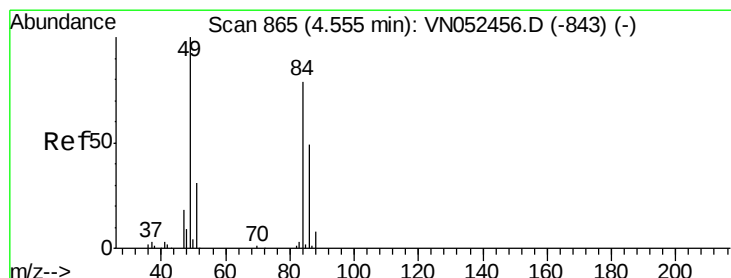
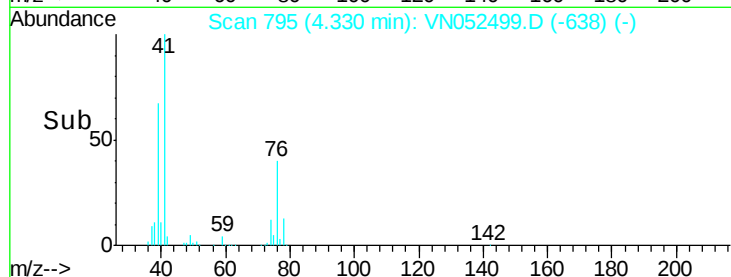
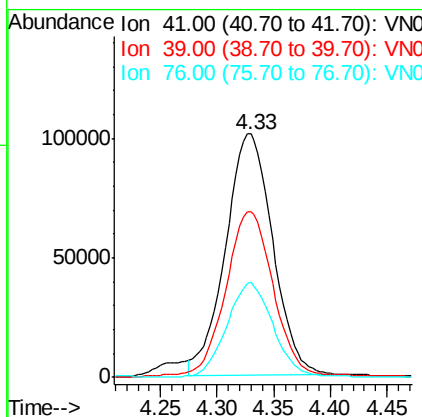
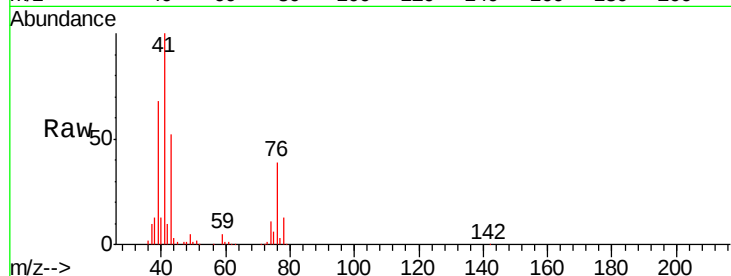
ClientSampleId :

VN1127WBSD02

Tgt Ion:	41	Resp:	293690
Ion Ratio		Lower	Upper
41	100		
39	68.1	32.8	98.3
76	39.1	18.6	55.8

Manual Integrations
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#18

Methylene Chloride

Concen: 19.35 ug/l

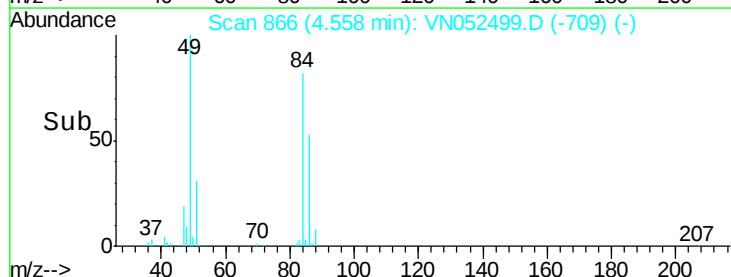
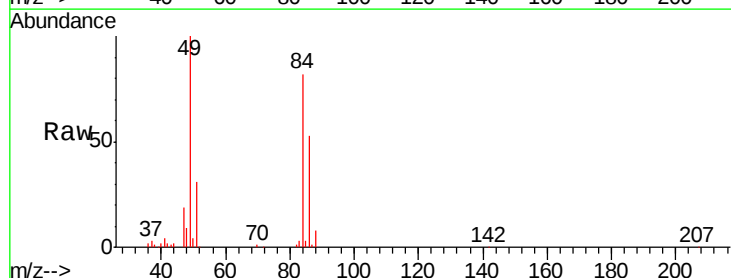
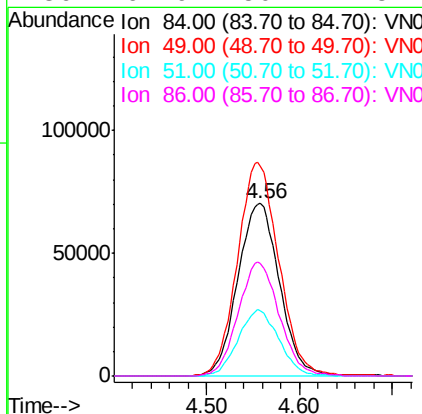
RT: 4.56 min Scan# 866

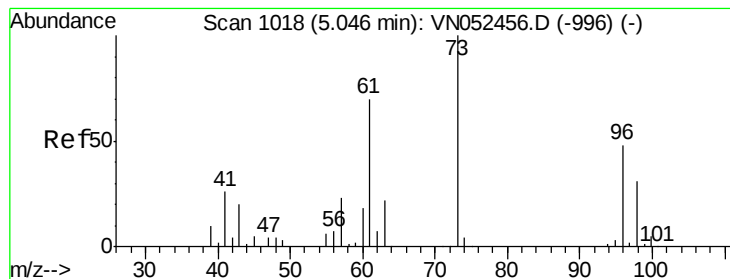
Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Tgt Ion:	84	Resp:	219105
Ion Ratio		Lower	Upper
84	100		
49	121.8	101.4	152.0
51	37.8	31.7	47.5
86	64.9	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.43 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 96 Resp: 204461

Ion Ratio Lower Upper

96 100

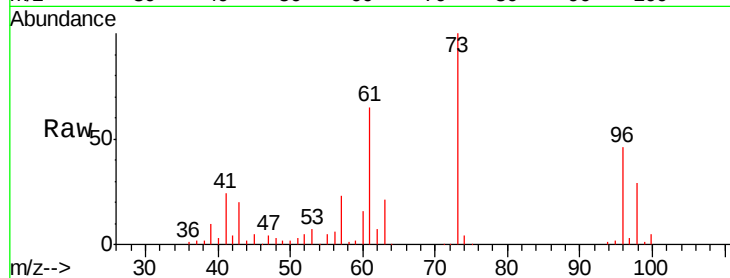
61 139.7 118.2 177.4

98 63.0 51.4 77.2

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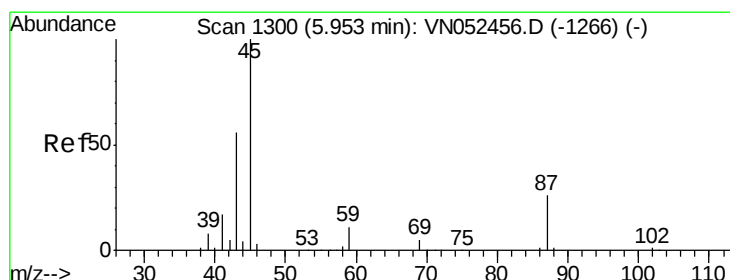
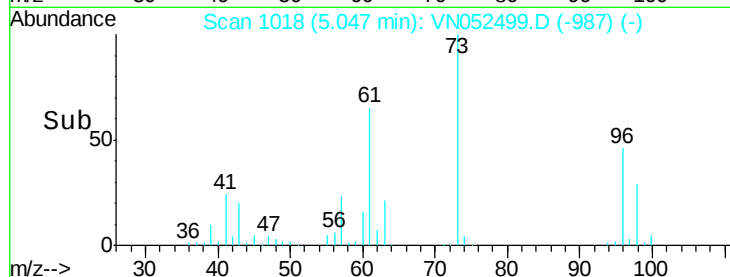
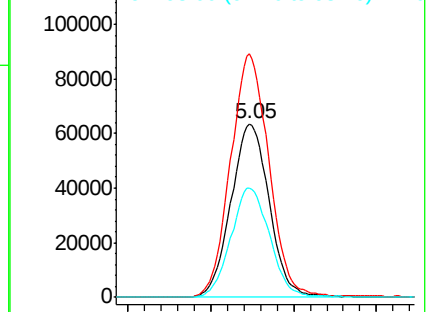


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 19.10 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Tgt Ion: 45 Resp: 684762

Ion Ratio Lower Upper

45 100

43 61.7 47.8 71.8

87 27.2 21.3 31.9

59 11.7 8.9 13.3

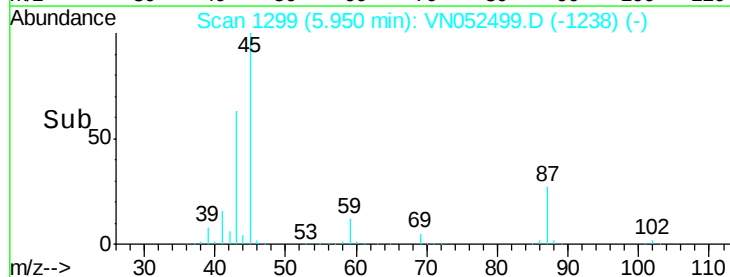
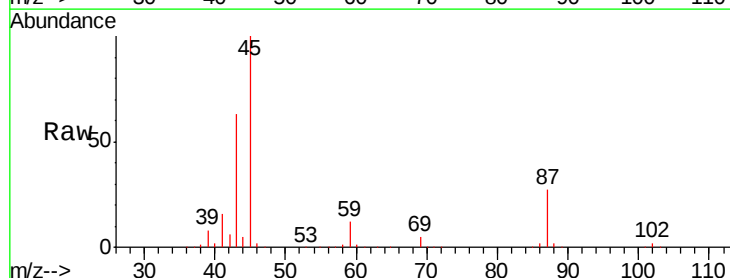
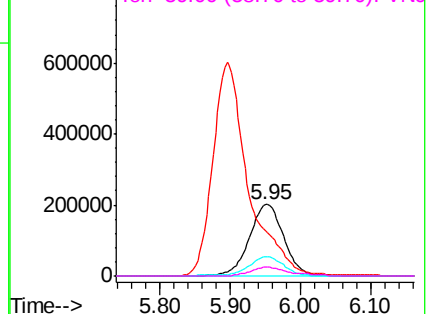
Abundance

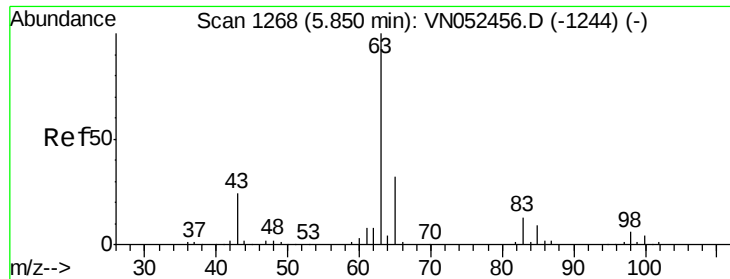
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





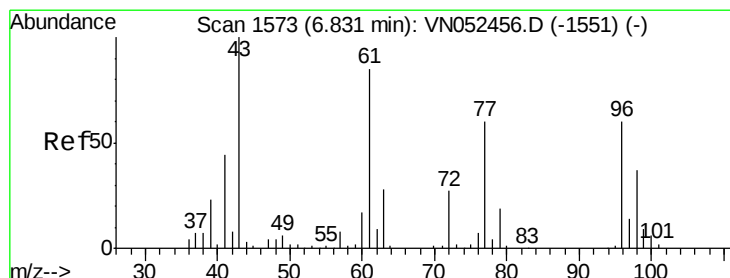
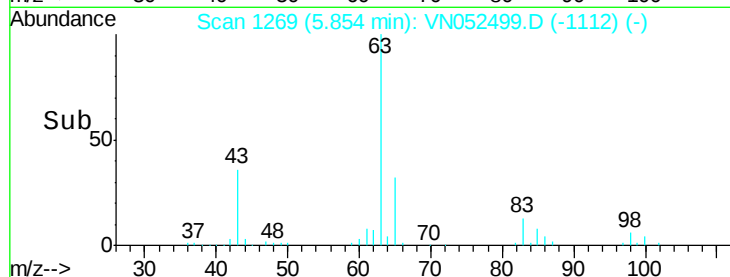
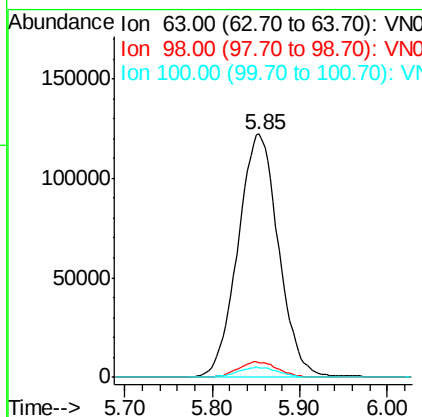
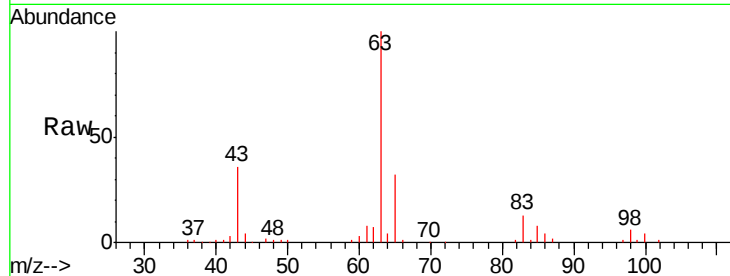
#21
 1,1-Dichloroethane
 Concen: 19.27 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	6.1	3.0	9.2
100	4.1	1.8	5.5

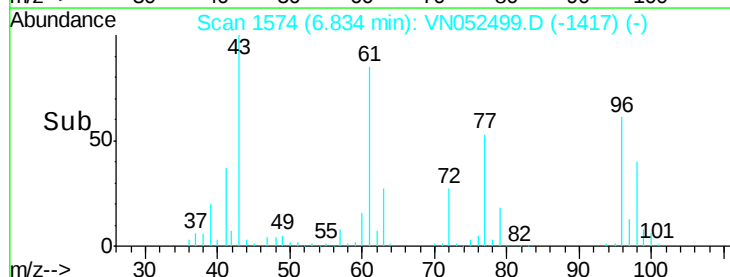
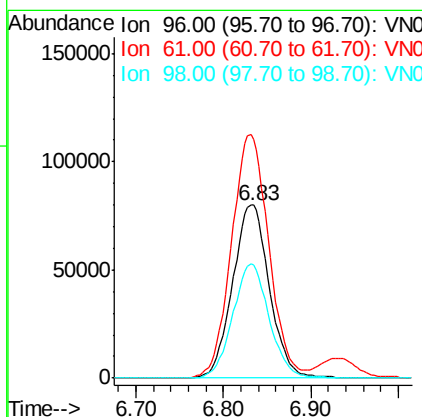
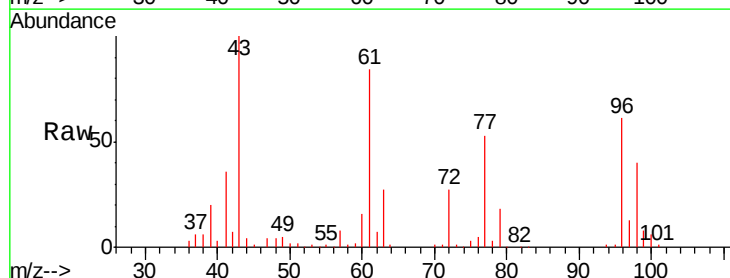
Manual Integrations
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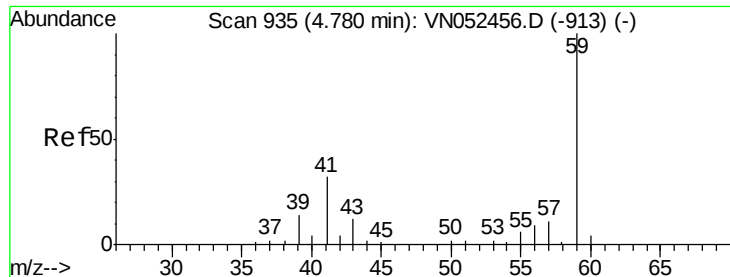
MMDadoda
 11/28/2018 9:32:36 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.42 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	142.3	116.7	175.1
98	64.9	50.8	76.2





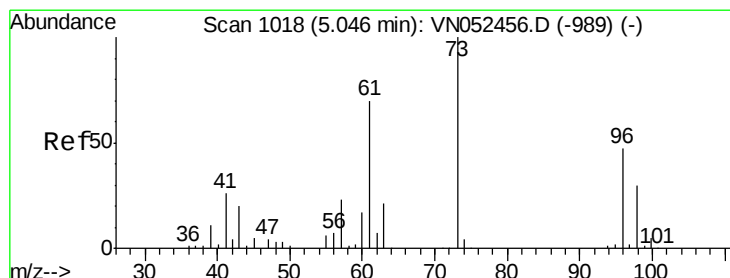
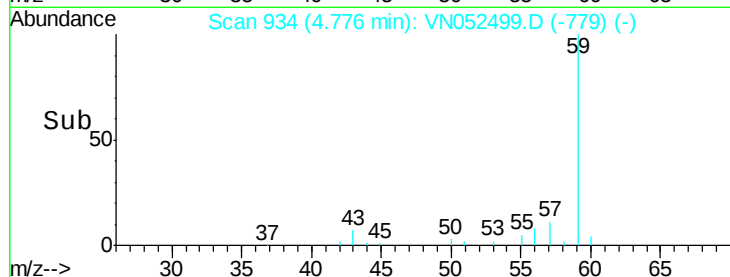
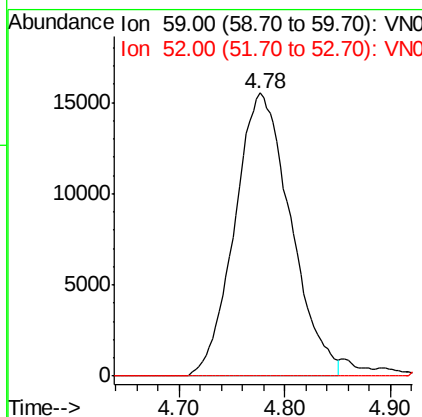
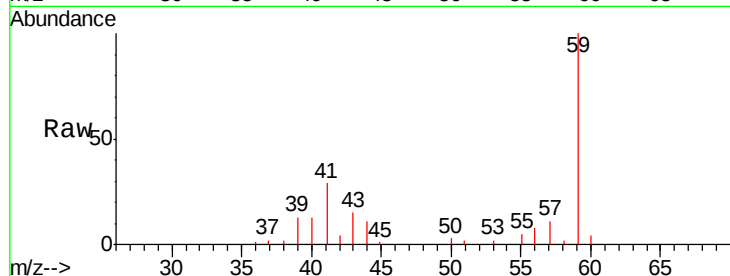
#23
 tert-Butyl Alcohol
 Concen: 108.59 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

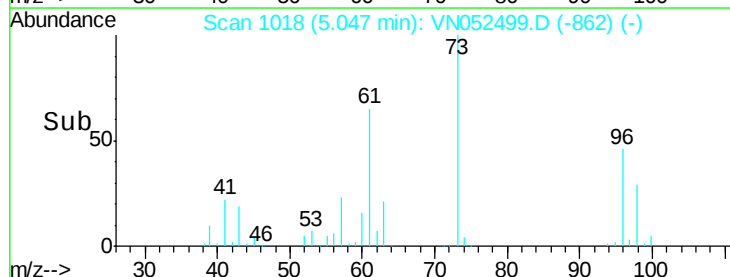
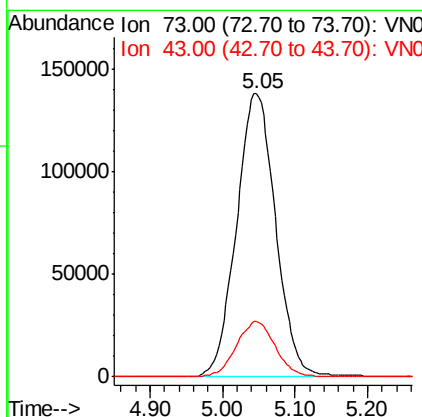
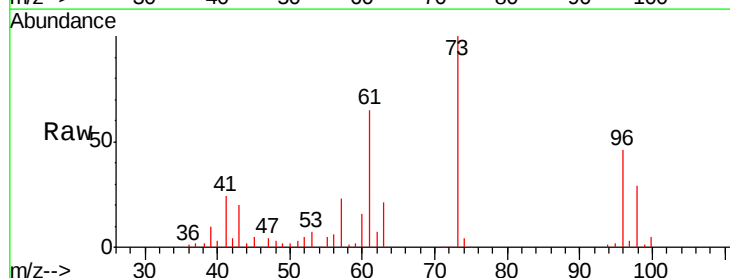
Manual Integrations
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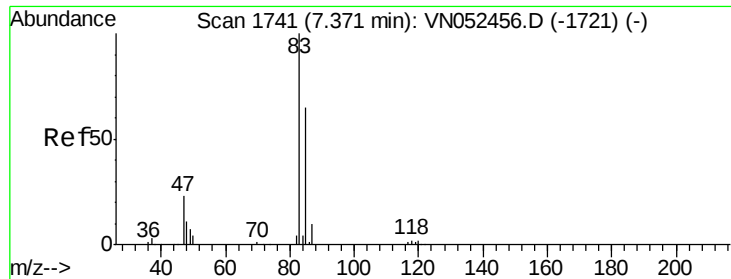
MMDadoda
 11/28/2018 9:32:36 AM



#24
 Methyl tert-Butyl Ether
 Concen: 20.17 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.8	23.8





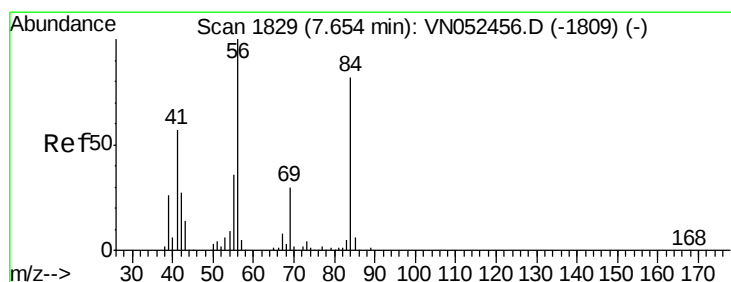
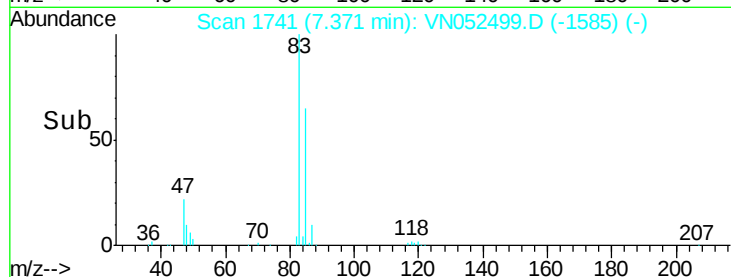
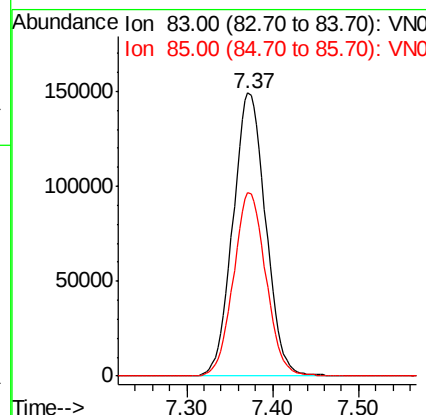
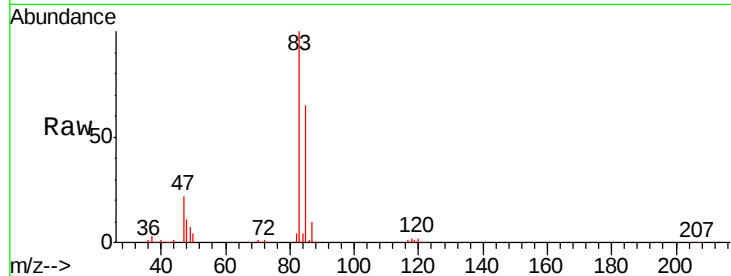
#25
Chloroform
Concen: 20.02 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion: 83 Resp: 394682
Ion Ratio Lower Upper
83 100
85 64.9 51.7 77.5

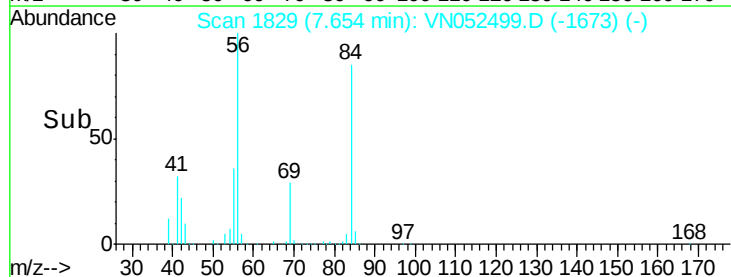
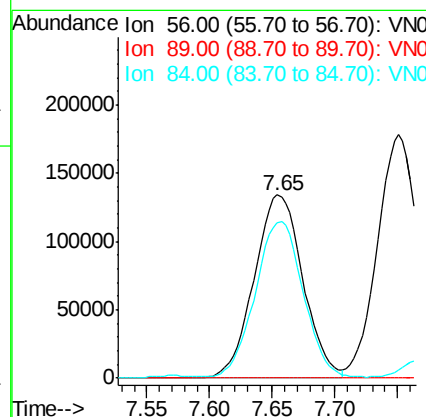
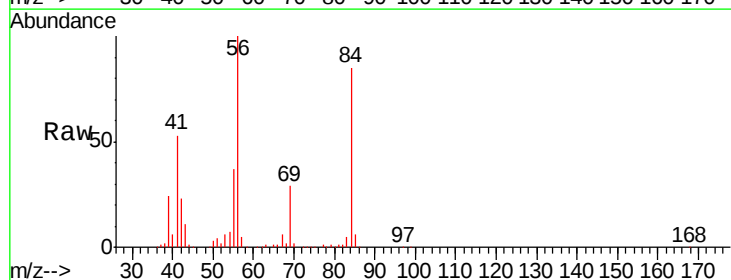
Manual Integrations
APPROVED

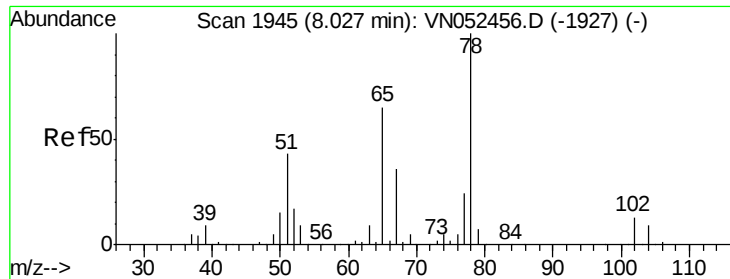
MMDadoda
11/28/2018 9:32:36 AM



#26
Cyclohexane
Concen: 18.77 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion: 56 Resp: 361717
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 84.7 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 18.77 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 65 Resp: 349254

Ion Ratio Lower Upper

65 100

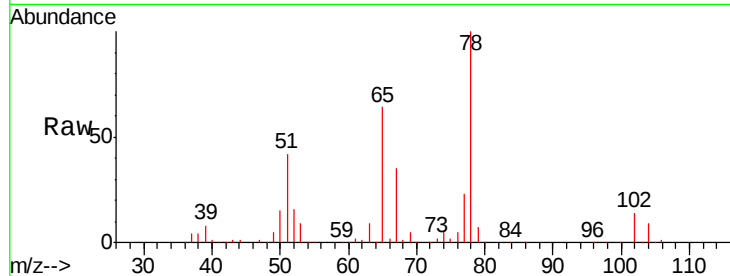
67 55.1 44.6 66.8

Manual Integrations

APPROVED

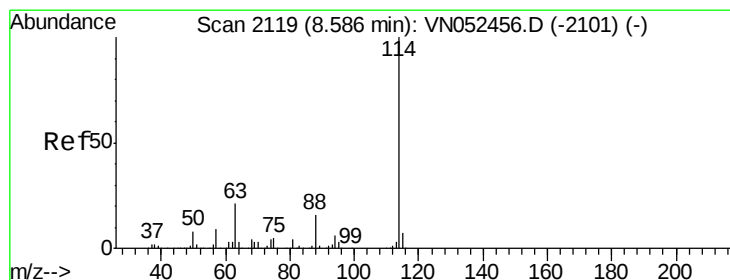
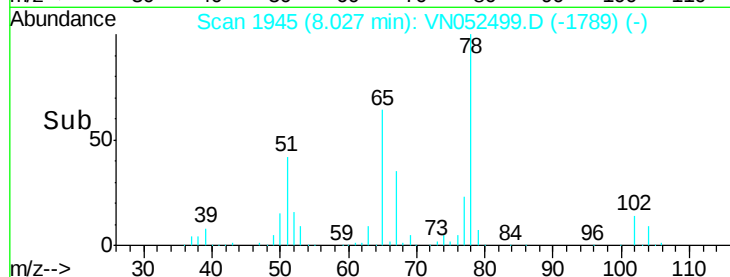
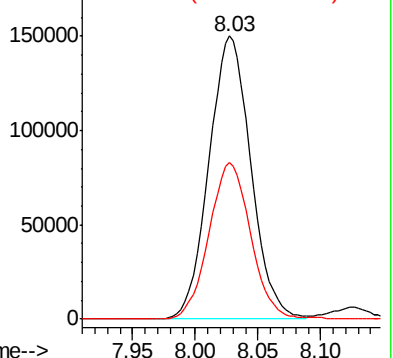
MMDadoda

11/28/2018 9:32:36 AM



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

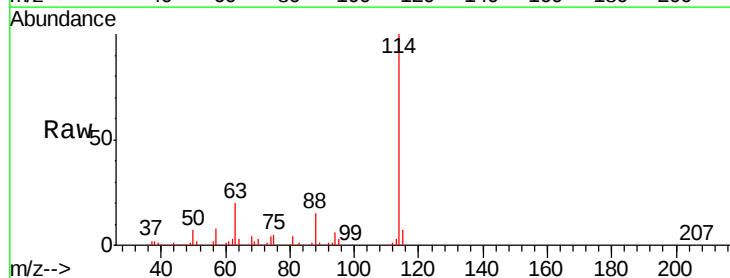
Tgt Ion: 114 Resp: 1012127

Ion Ratio Lower Upper

114 100

63 20.0 16.9 25.3

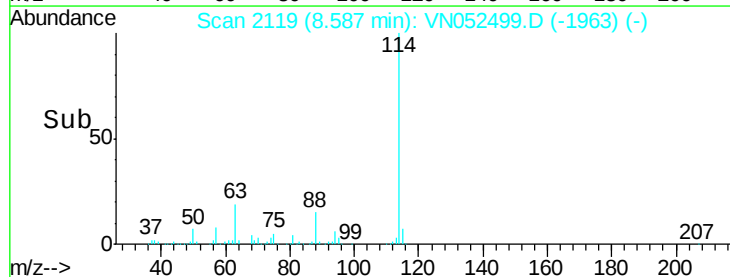
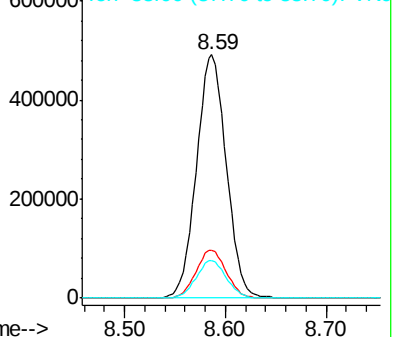
88 15.6 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





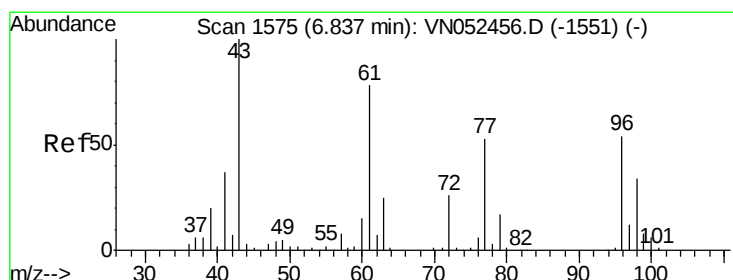
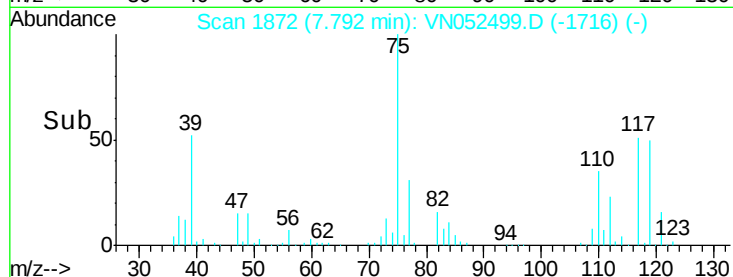
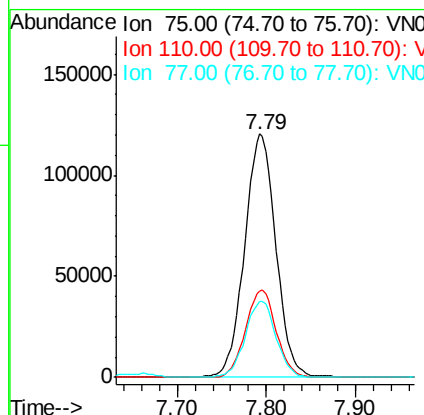
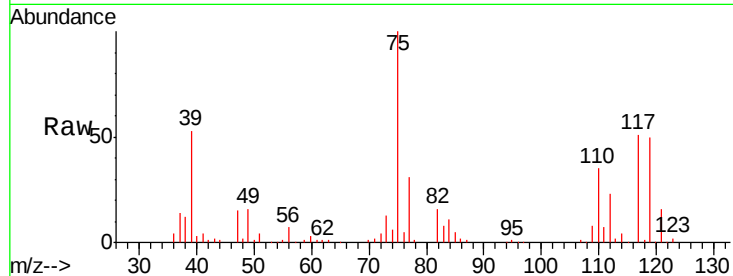
#29
 1,1-Dichloropropene
 Concen: 19.02 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	35.2	0.0	70.2
77	31.0	0.0	62.6

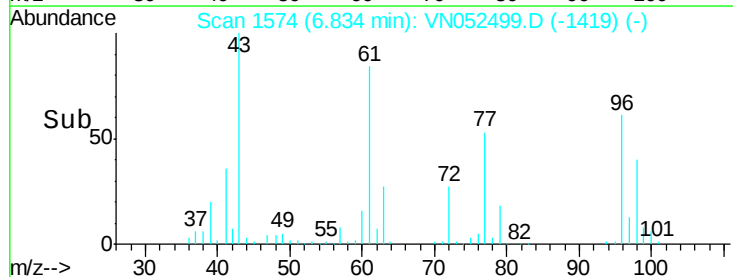
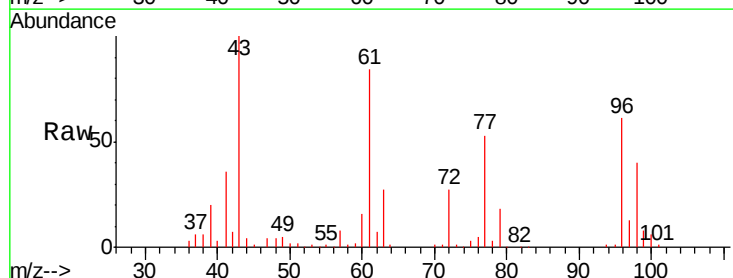
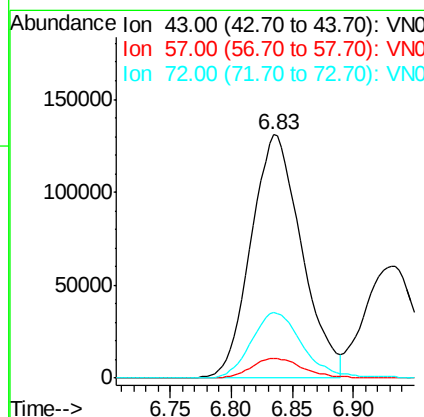
Manual Integrations
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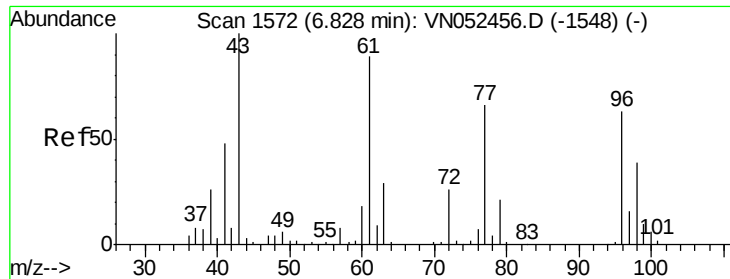
MMDadoda
 11/28/2018 9:32:36 AM



#30
 2-Butanone
 Concen: 90.46 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.3	6.2	9.4
72	27.8	21.0	31.6





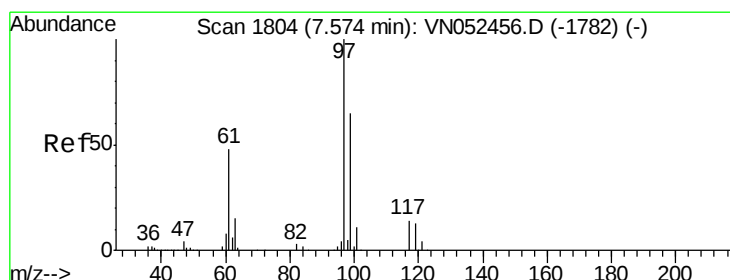
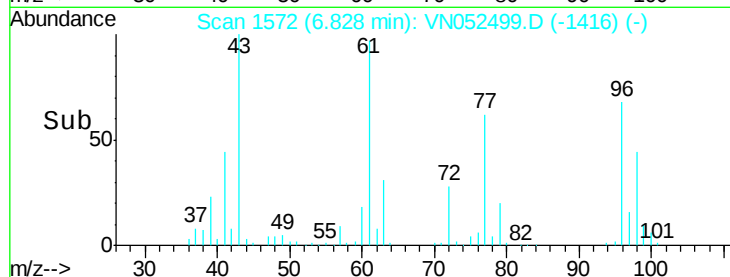
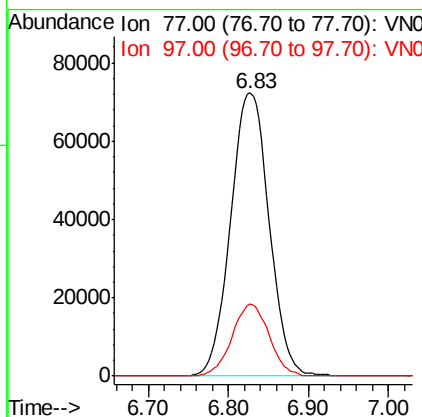
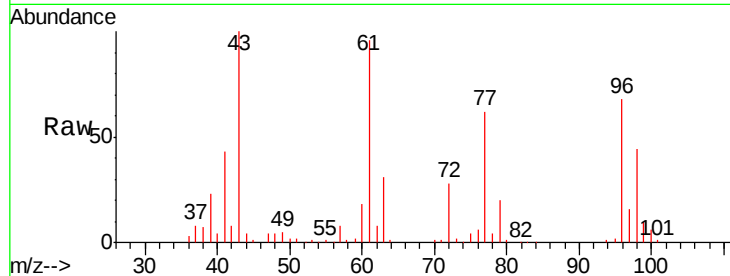
#31
 2,2-Dichloropropane
 Concen: 16.60 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion: 77 Resp: 236148
 Ion Ratio Lower Upper
 77 100
 97 24.5 18.7 28.1

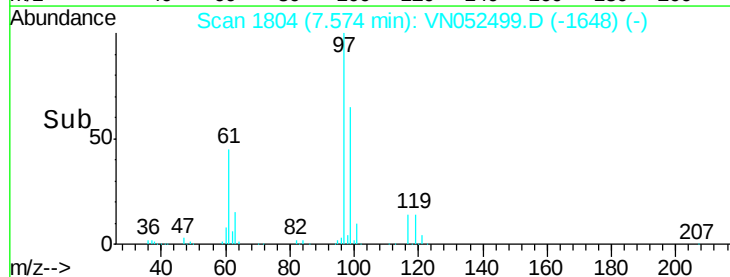
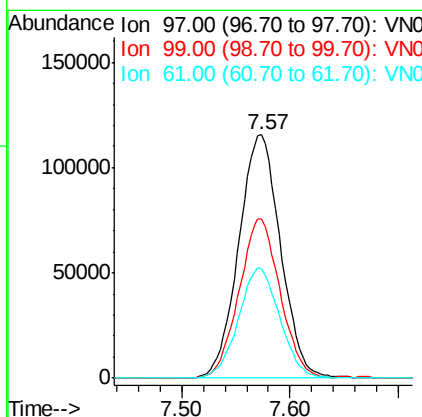
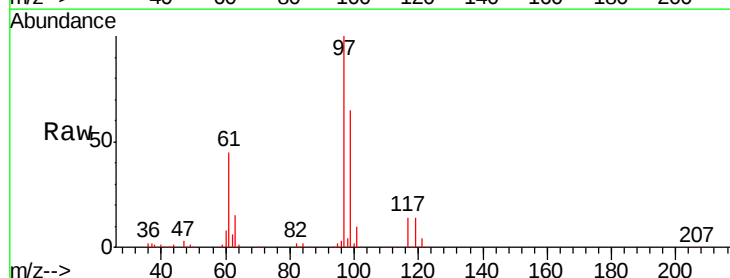
Manual Integrations
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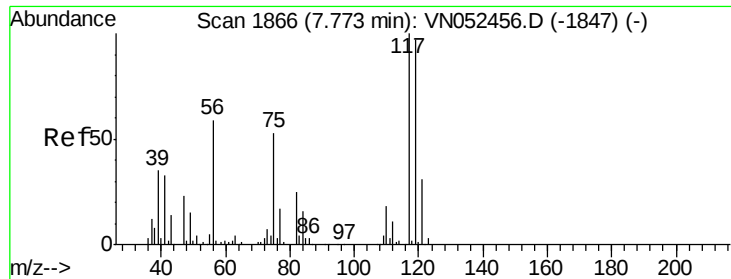
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#32
 1,1,1-Trichloroethane
 Concen: 19.36 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion: 97 Resp: 311360
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.9 76.3
 61 44.8 38.1 57.1





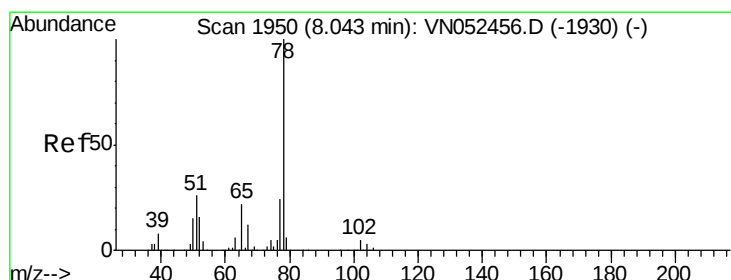
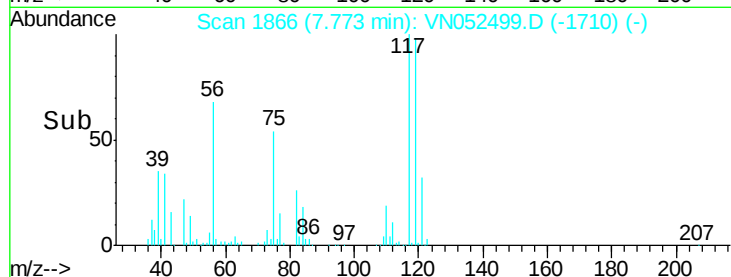
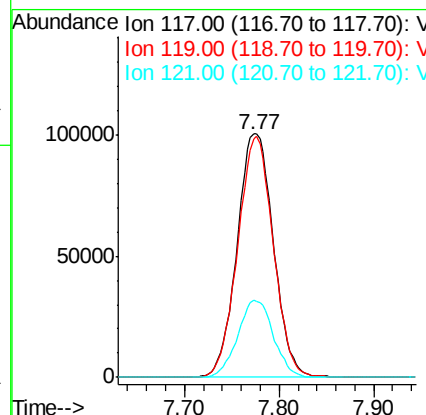
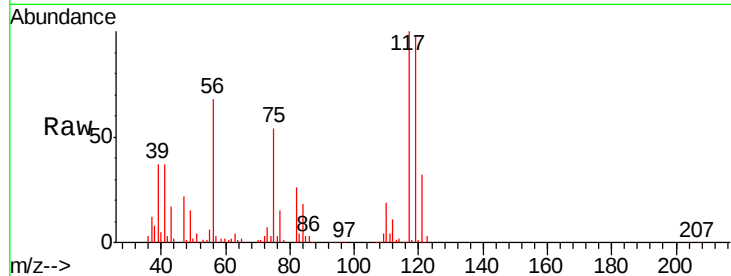
#33
Carbon Tetrachloride
Concen: 19.09 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.3	115.9
121	31.5	24.9	37.3

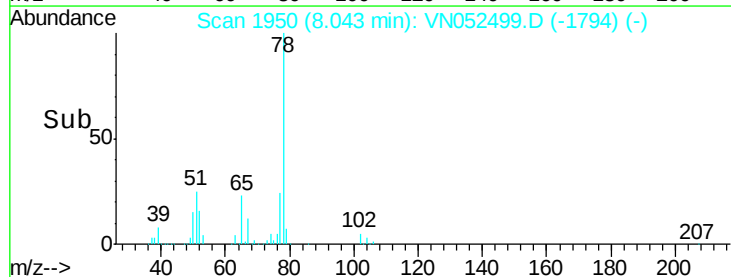
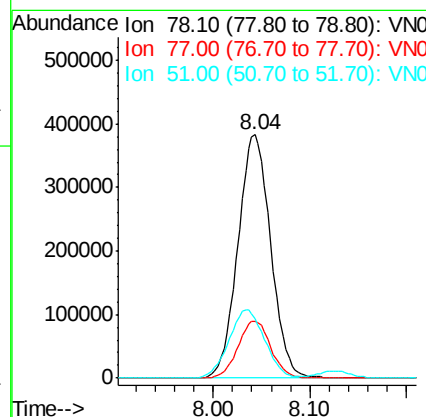
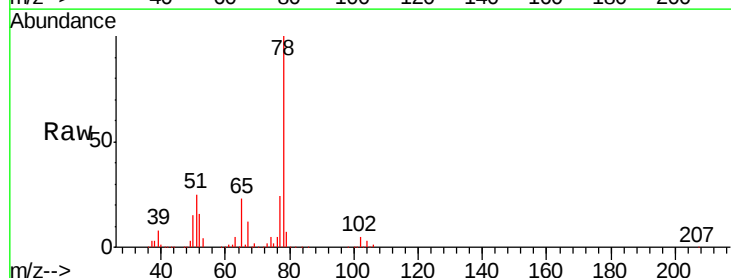
Manual Integrations
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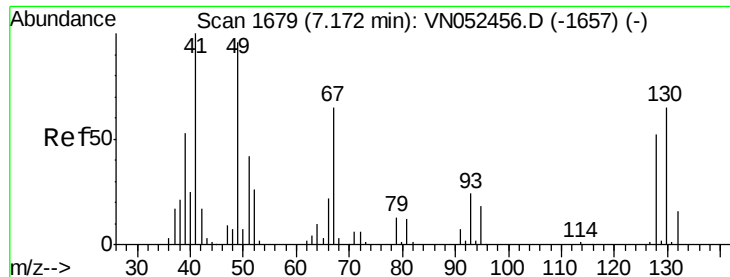
MMDadoda
11/28/2018 9:32:36 AM



#34
Benzene
Concen: 19.40 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6
51	24.5	20.5	30.7





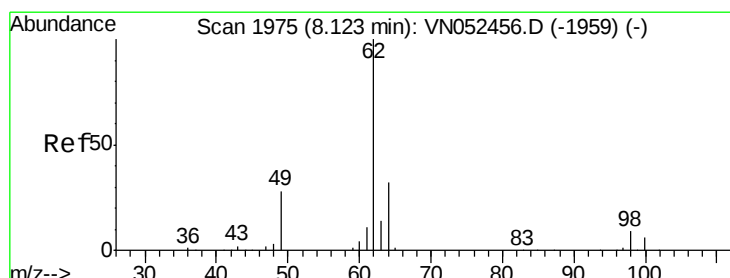
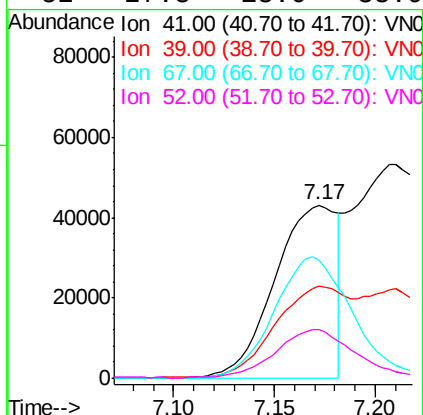
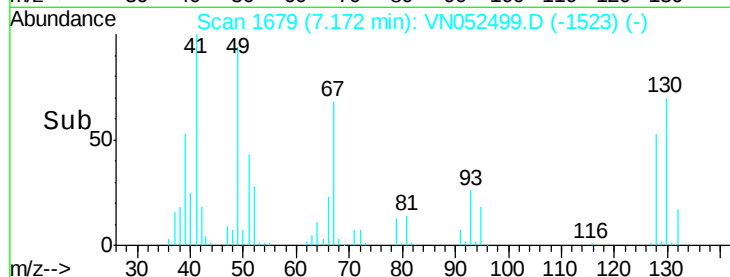
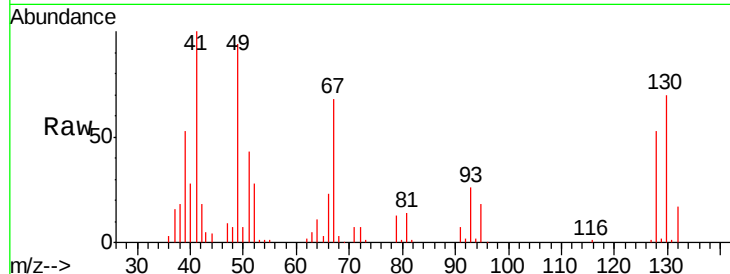
#35
Methacrylonitrile
Concen: 17.96 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.6	26.6	79.7
67	68.5	32.3	96.9
52	27.8	13.0	38.9

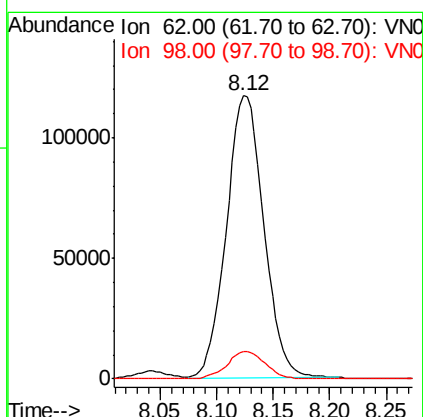
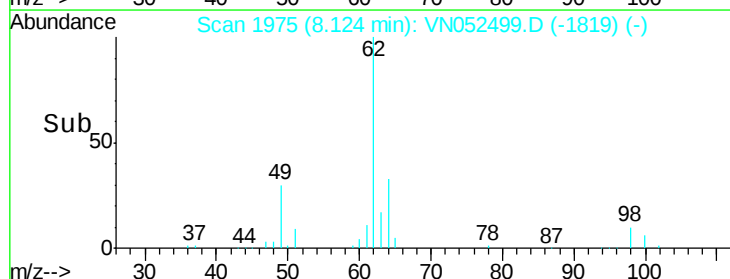
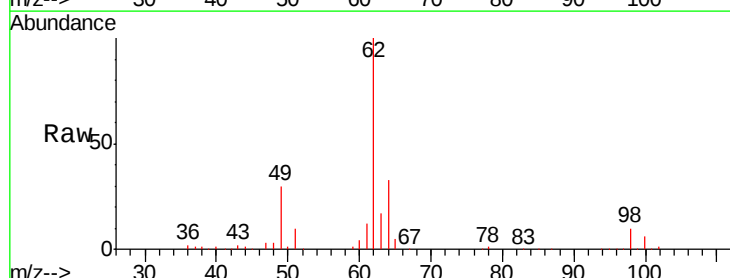
Manual Integrations
APPROVED

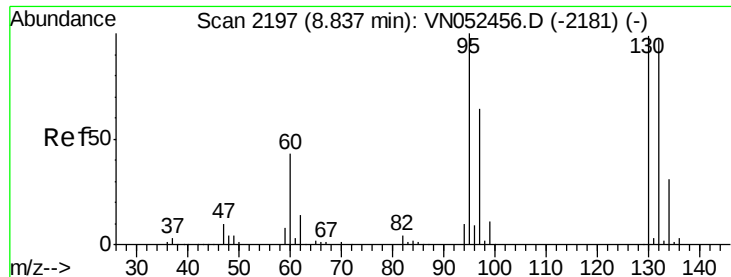
MMDadoda
11/28/2018 9:32:36 AM



#36
1,2-Dichloroethane
Concen: 19.22 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	7.4	11.2





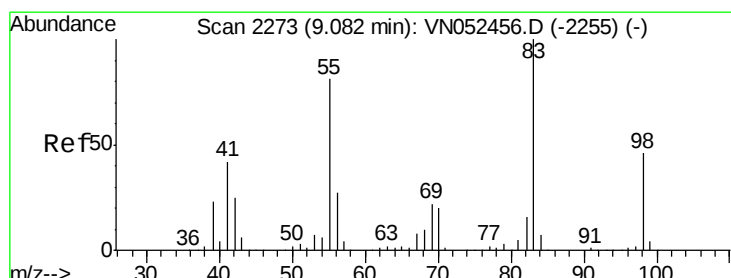
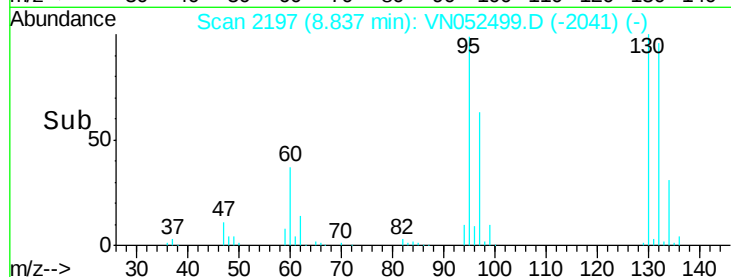
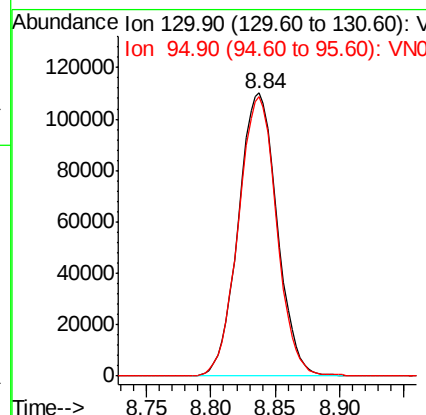
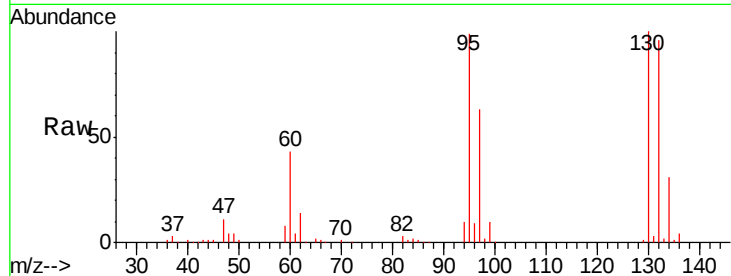
#37
 Trichloroethene
 Concen: 19.55 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion: 130 Resp: 230371
 Ion Ratio Lower Upper
 130 100
 95 98.6 81.0 121.4

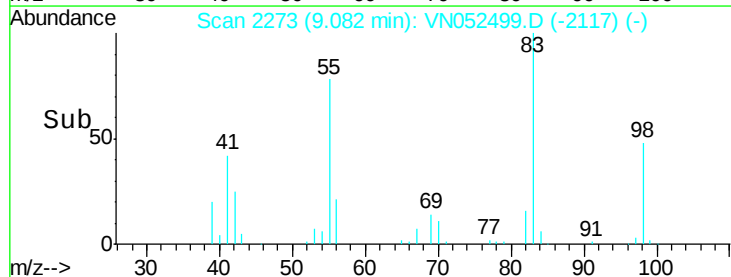
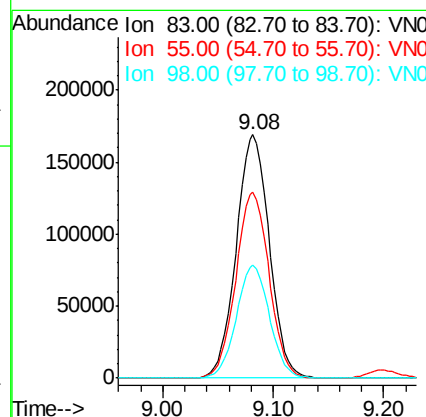
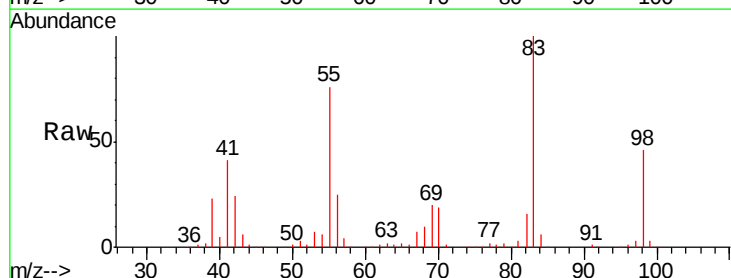
Manual Integrations
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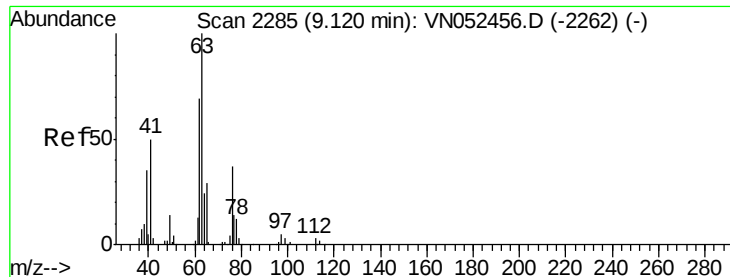
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 11/28/2018 9:32:36 AM



#38
 Methylcyclohexane
 Concen: 18.40 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion: 83 Resp: 352092
 Ion Ratio Lower Upper
 83 100
 55 76.7 39.8 119.4
 98 46.2 22.9 68.5





#39

1,2-Dichloropropane

Concen: 19.04 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 63 Resp: 237131

Ion Ratio Lower Upper

63 100

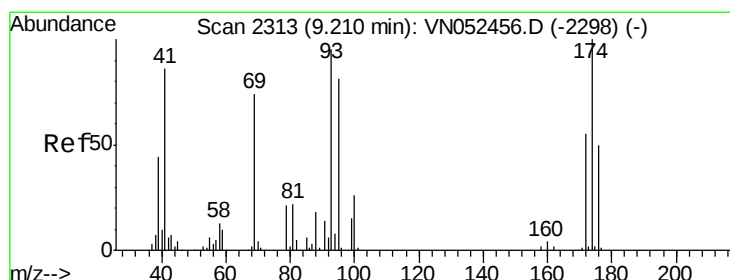
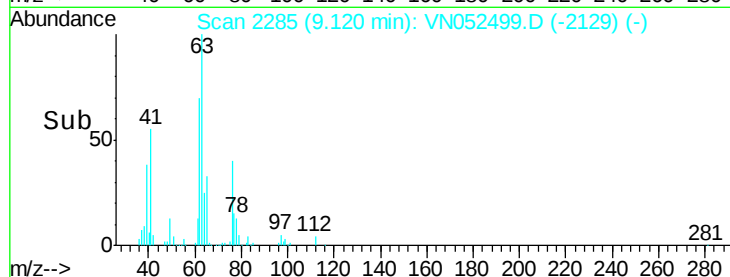
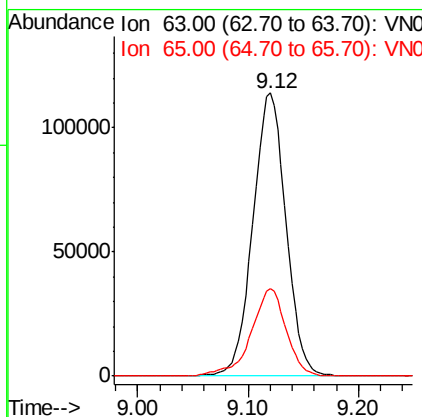
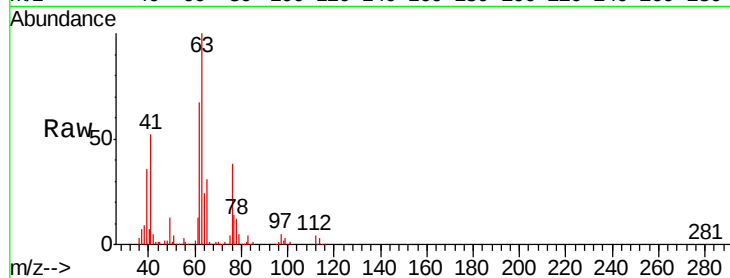
65 30.9 23.6 35.4

Manual Integrations

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#40

Dibromomethane

Concen: 19.98 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

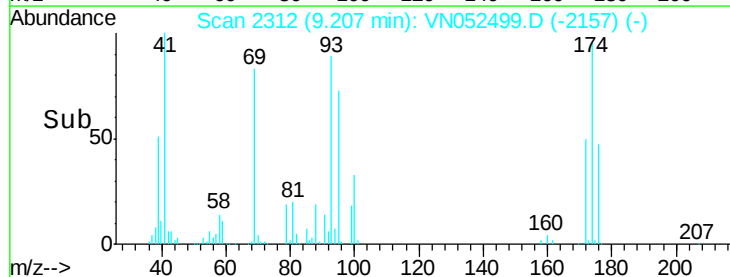
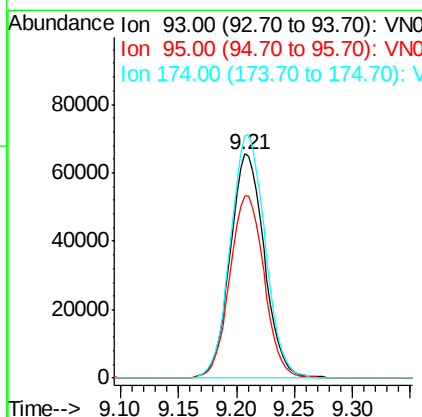
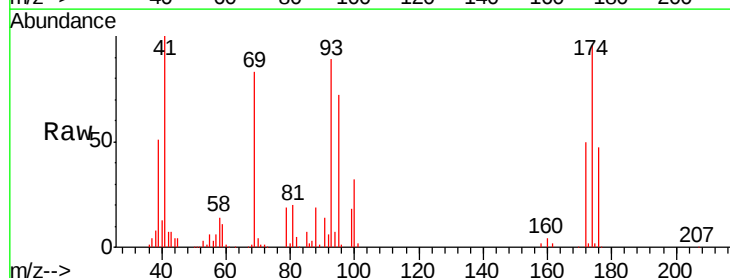
Tgt Ion: 93 Resp: 134476

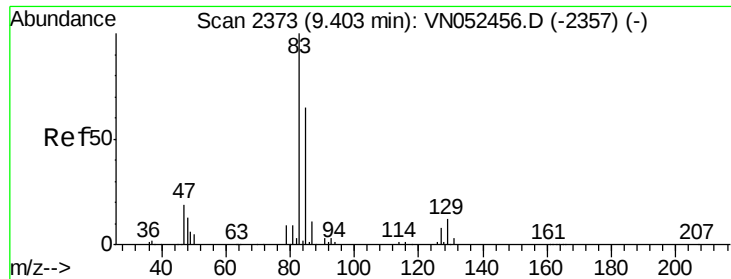
Ion Ratio Lower Upper

93 100

95 81.9 0.0 168.4

174 109.9 0.0 210.0





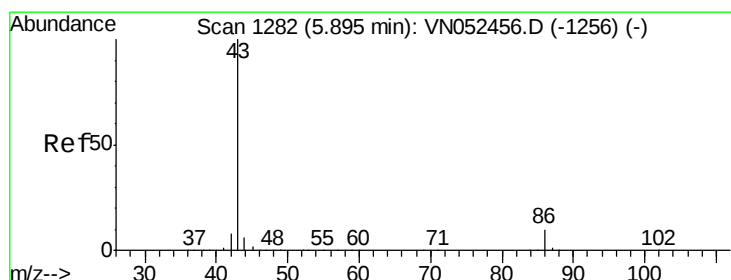
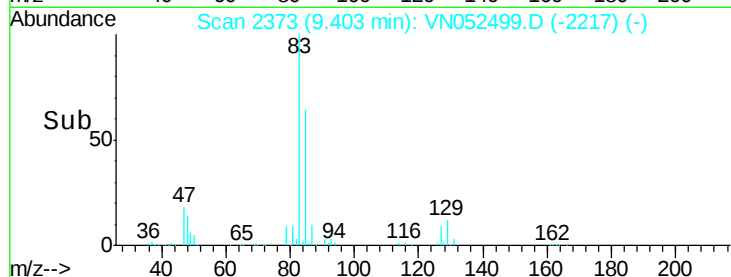
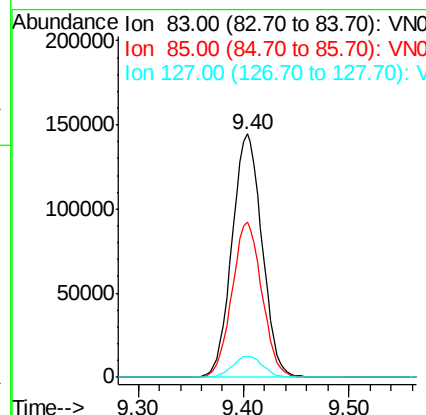
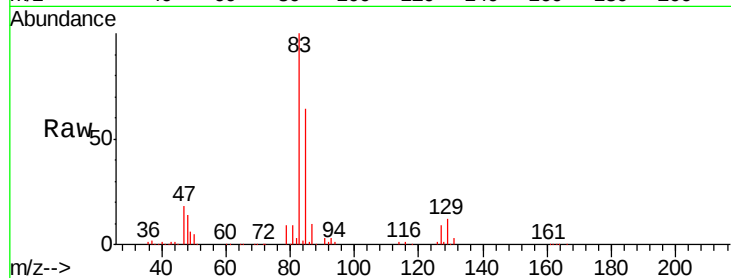
#41
Bromodichloromethane
Concen: 19.17 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.4	78.6
127	8.8	6.6	9.8

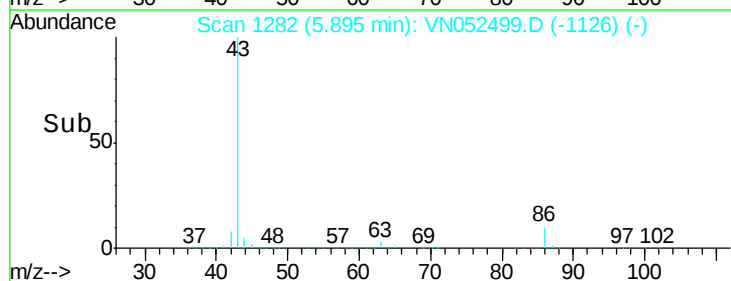
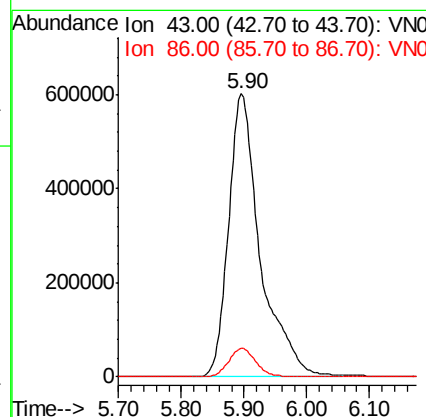
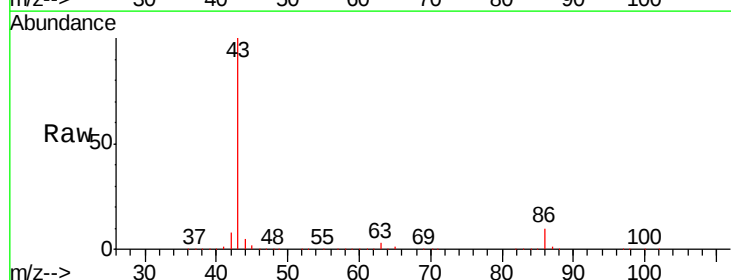
Manual Integrations
APPROVED

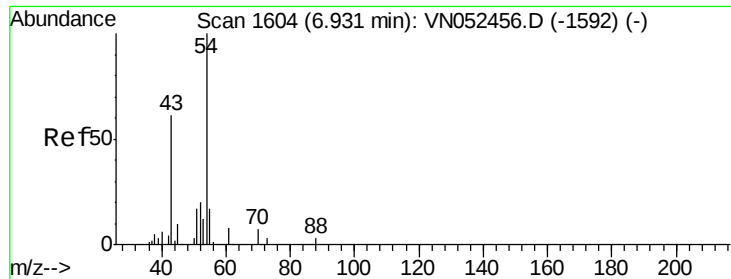
MMDadoda
11/28/2018 9:32:36 AM



#42
Vinyl Acetate
Concen: 94.36 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.5	9.7





#43

Ethyl Acetate

Concen: 20.84 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 43 Resp: 183267

Ion Ratio Lower Upper

43 100

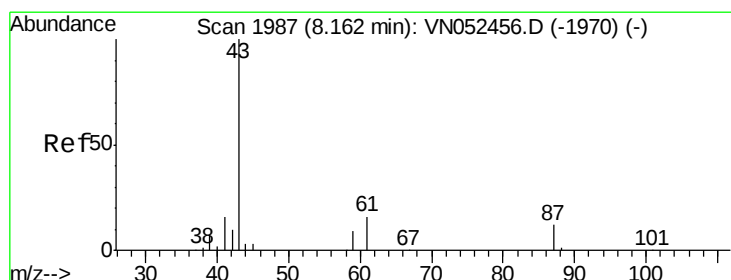
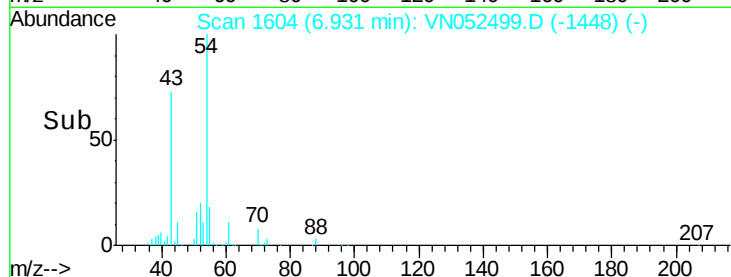
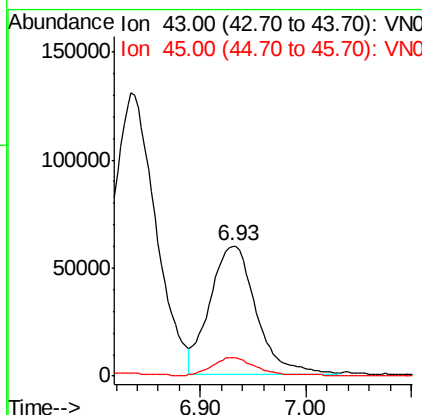
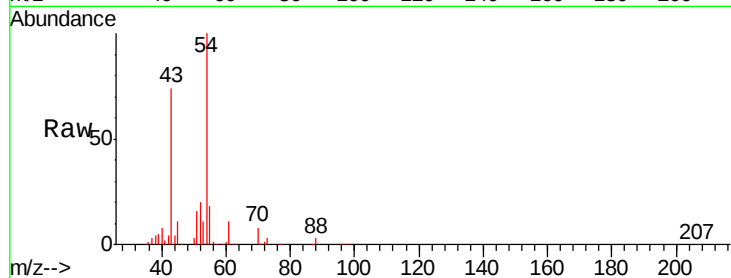
45 12.6 1.0 1.6#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 20.54 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052499.D

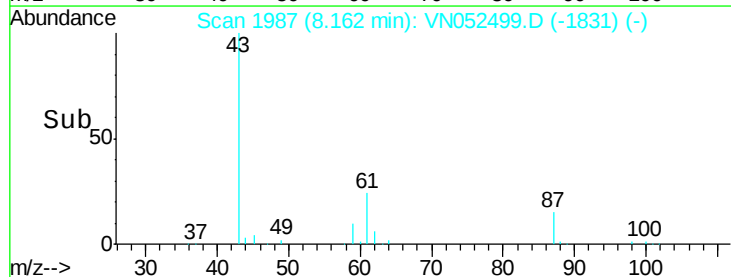
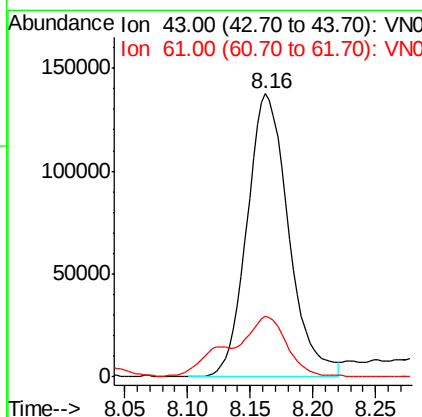
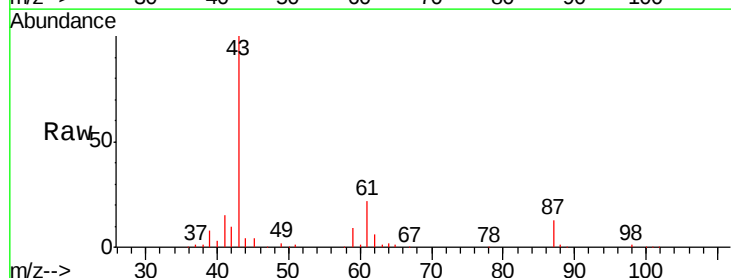
Acq: 28 Nov 2018 1:12

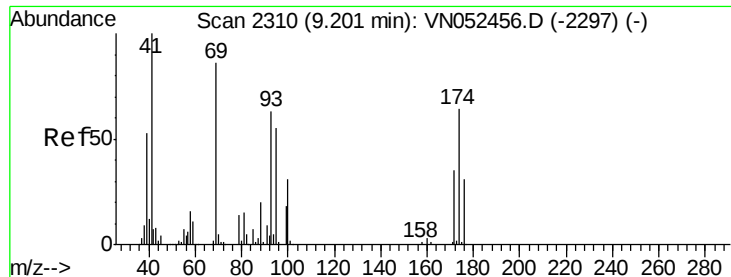
Tgt Ion: 43 Resp: 316765

Ion Ratio Lower Upper

43 100

61 19.2 16.0 24.0





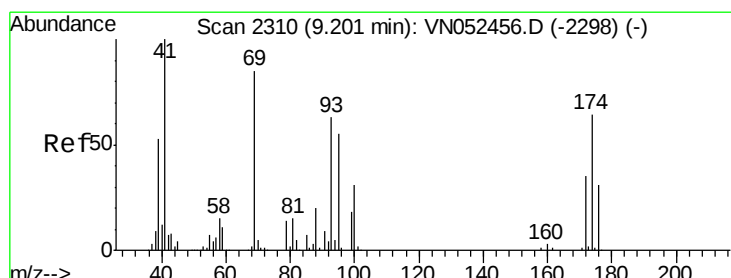
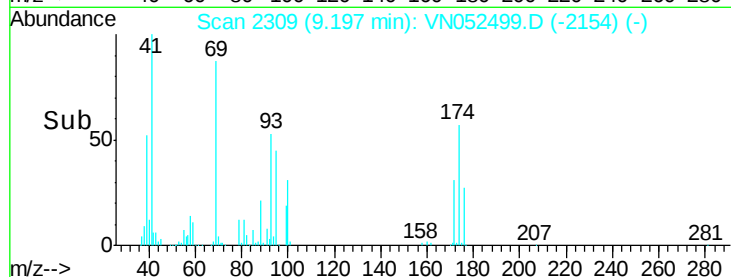
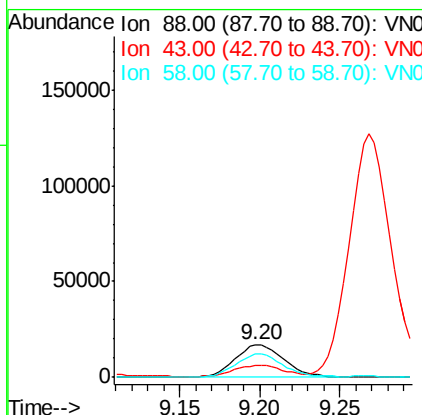
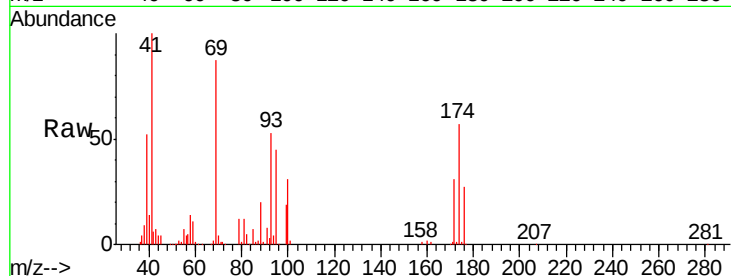
#45
1,4-Dioxane
Concen: 423.21 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.5	29.5	44.3
58	70.7	61.5	92.3

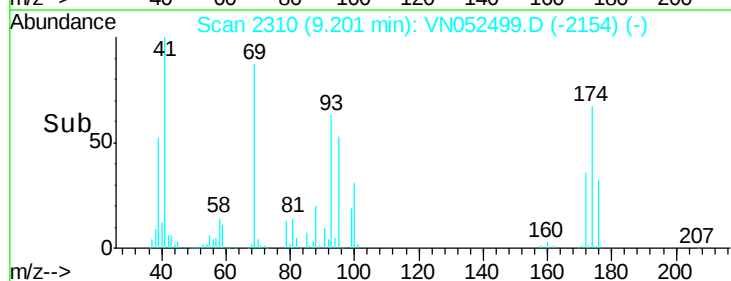
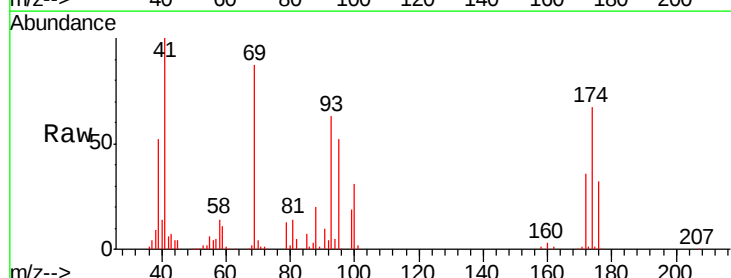
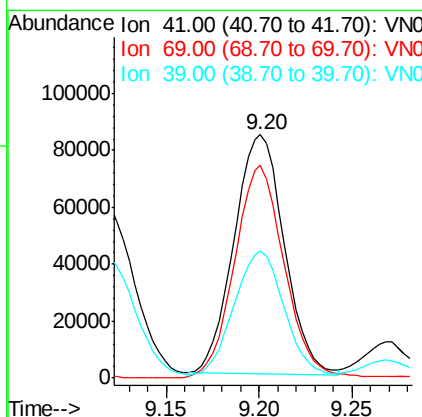
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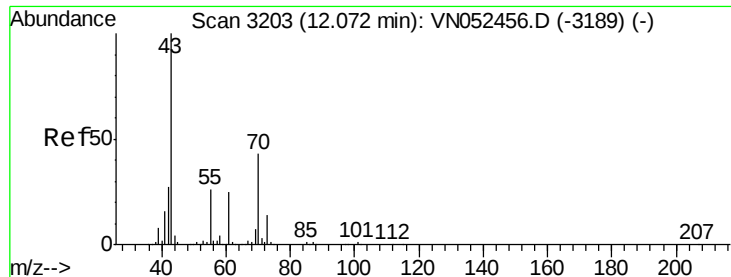
MMDadoda
11/28/2018 9:32:36 AM



#46
Methyl methacrylate
Concen: 19.70 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.1	42.5	127.6
39	52.0	26.3	78.9





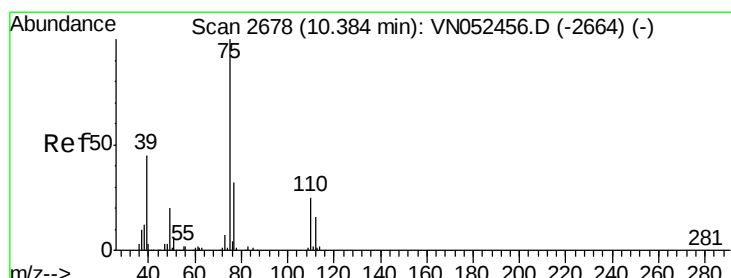
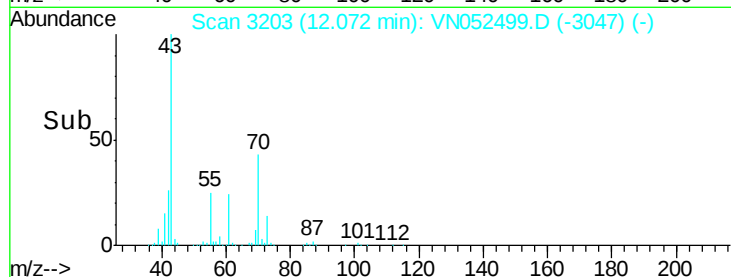
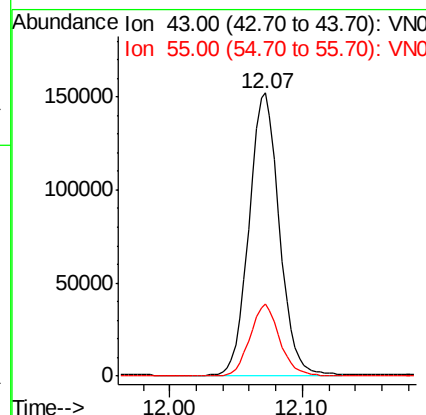
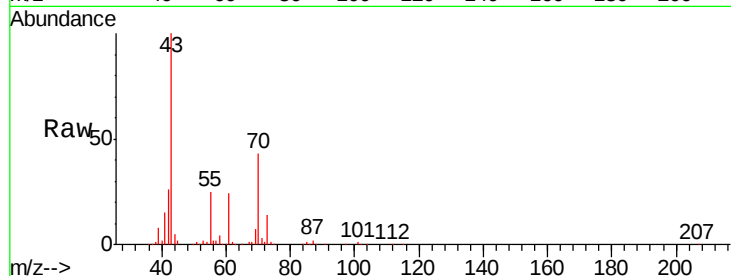
#47
n-amyl Acetate
Concen: 18.87 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion: 43 Resp: 241333
Ion Ratio Lower Upper
43 100
55 25.1 21.1 31.7

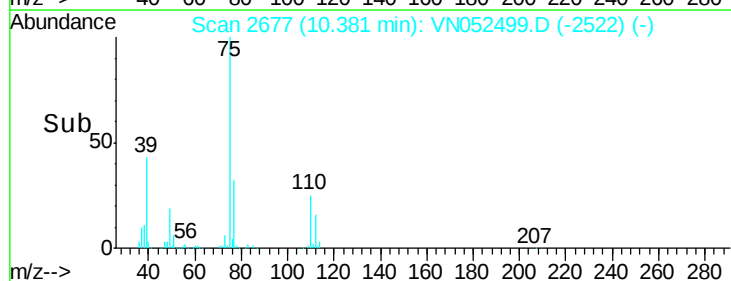
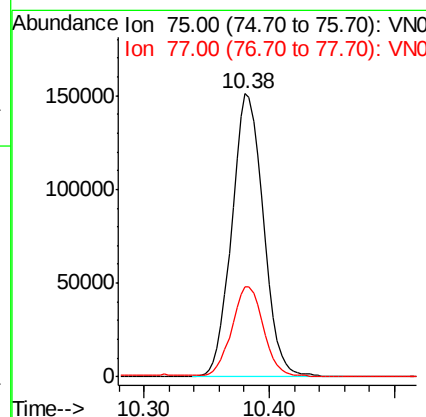
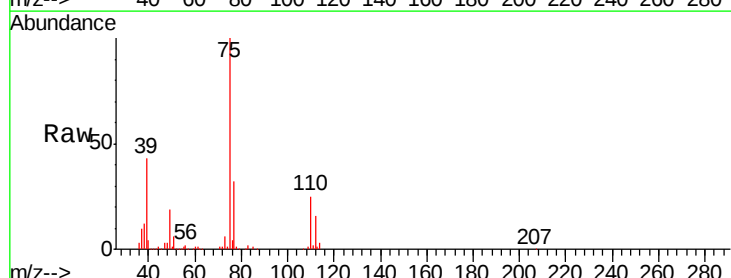
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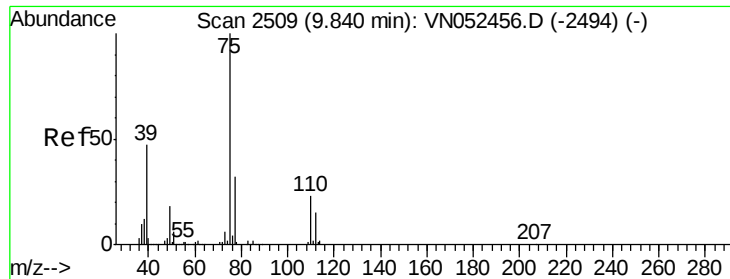
MMDadoda
11/28/2018 9:32:36 AM



#48
t-1,3-Dichloropropene
Concen: 18.34 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion: 75 Resp: 264427
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 18.34 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 75 Resp: 322222

Ion Ratio Lower Upper

75 100

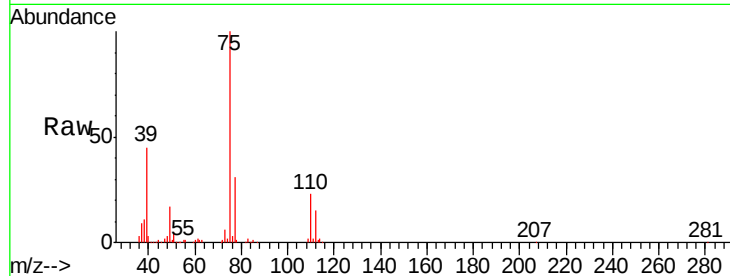
77 31.1 25.4 38.0

39 44.6 37.3 55.9

Manual Integrations
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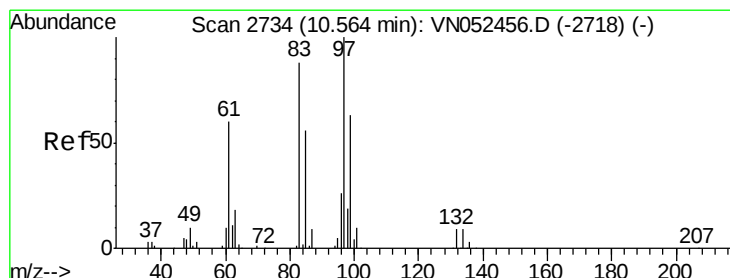
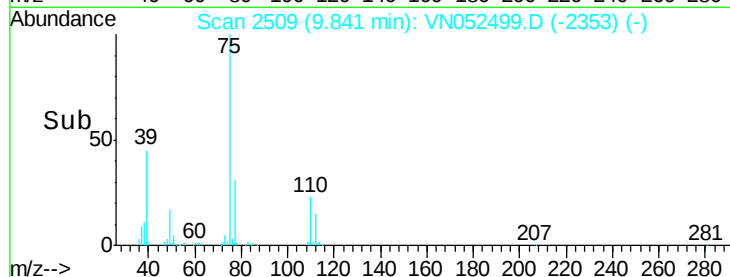
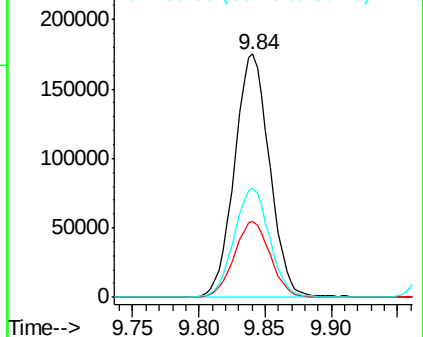
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Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 19.99 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Tgt Ion: 97 Resp: 190788

Ion Ratio Lower Upper

97 100

83 89.3 70.4 105.6

85 56.7 45.0 67.6

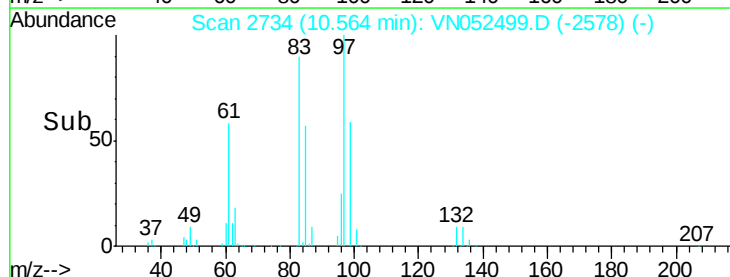
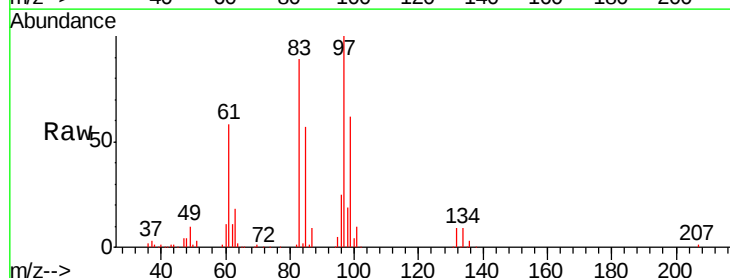
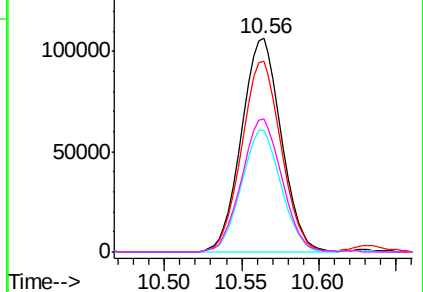
99 62.2 50.2 75.2

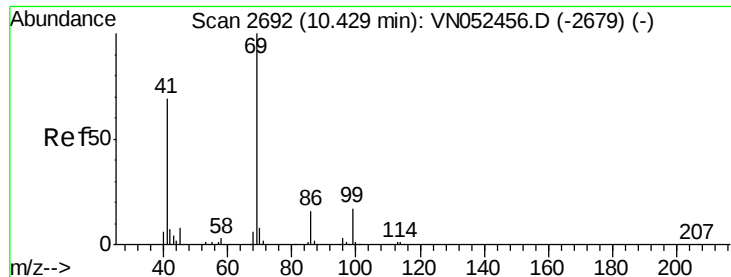
Abundance Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 19.77 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

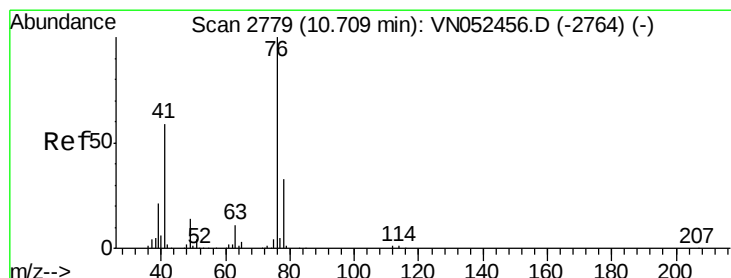
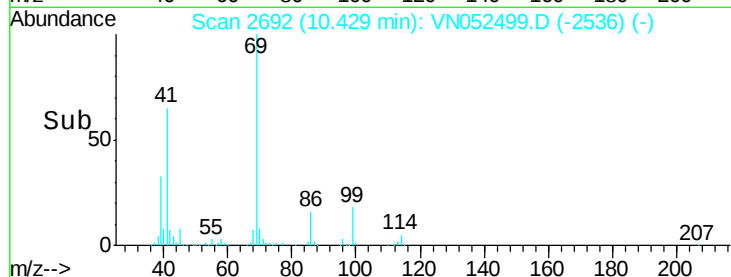
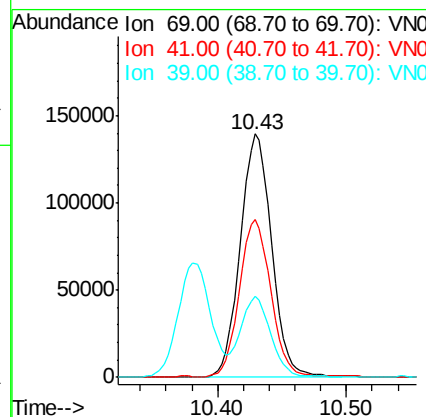
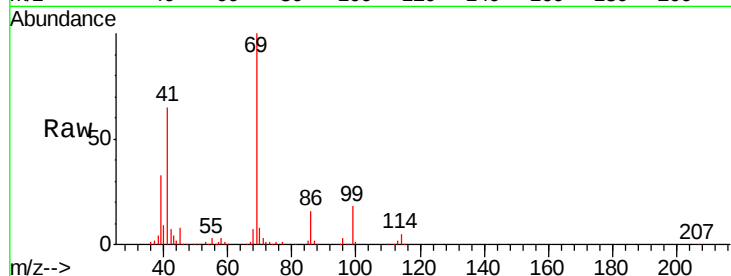
ClientSampleId :

VN1127WBSD02

Tgt Ion:	69	Resp:	236892
Ion Ratio		Lower	Upper
69	100		
41	64.3	34.4	103.3
39	32.8	16.4	49.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.60 ug/l

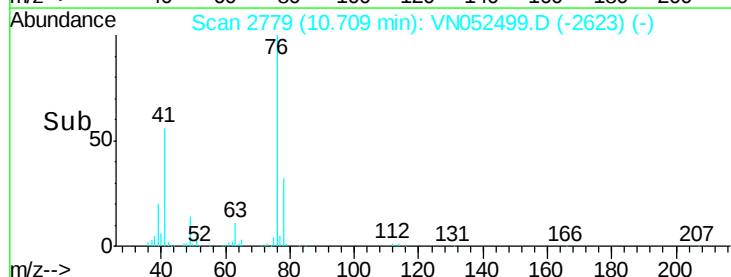
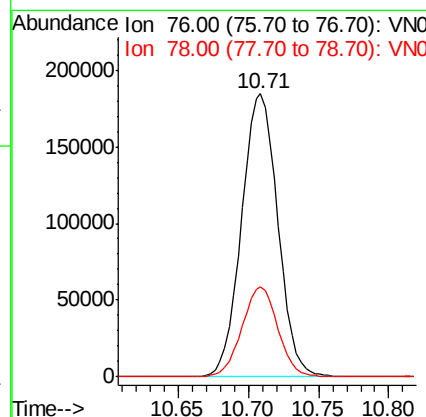
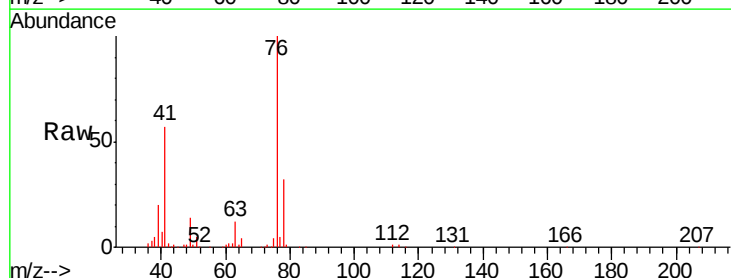
RT: 10.71 min Scan# 2779

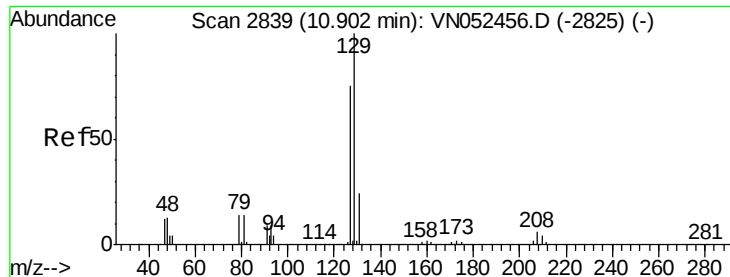
Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Tgt Ion:	76	Resp:	332808
Ion Ratio		Lower	Upper
76	100		
78	31.6	0.0	64.8





#53

Dibromochloromethane

Concen: 19.28 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion:129 Resp: 202503

Ion Ratio Lower Upper

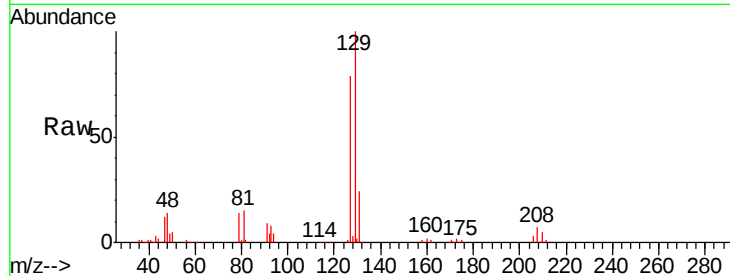
129 100

127 77.7 37.6 112.8

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

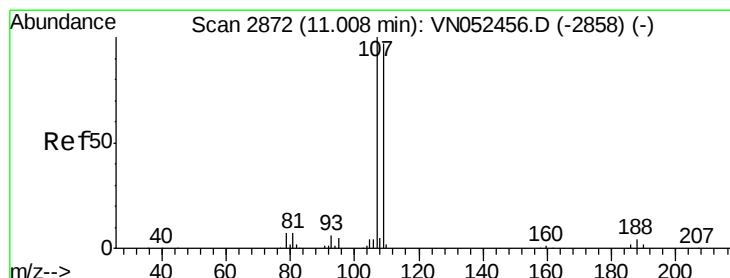
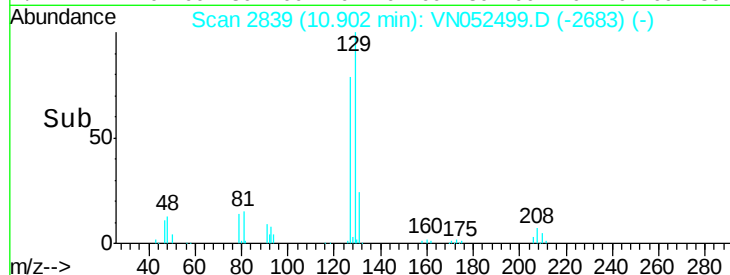
40000

20000

0

10.85 10.90 10.95 11.00

Time-->



#54

1,2-Dibromoethane

Concen: 19.86 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052499.D

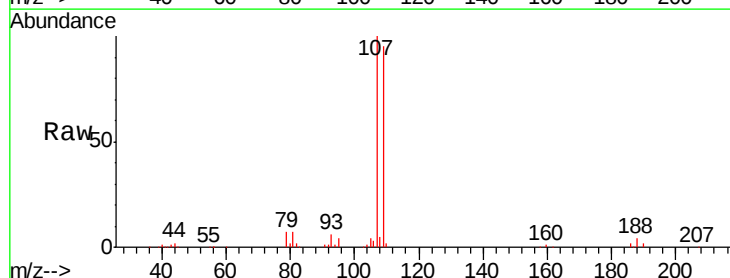
Acq: 28 Nov 2018 1:12

Tgt Ion:107 Resp: 185185

Ion Ratio Lower Upper

107 100

109 95.2 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

120000

100000

80000

60000

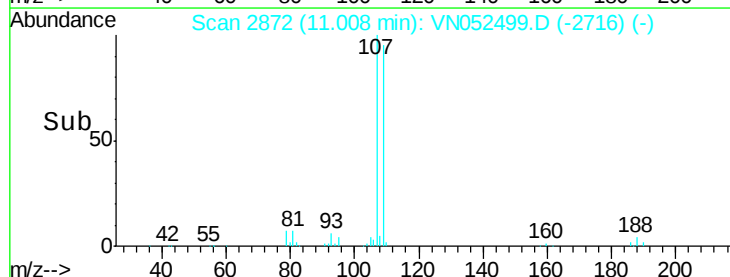
40000

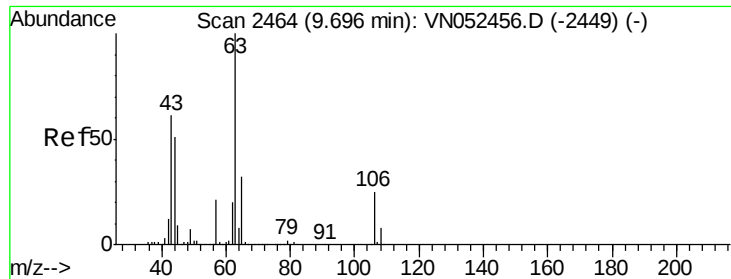
20000

0

10.95 11.00 11.05 11.10

Time-->





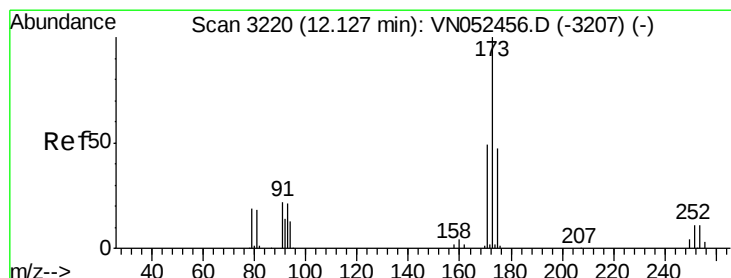
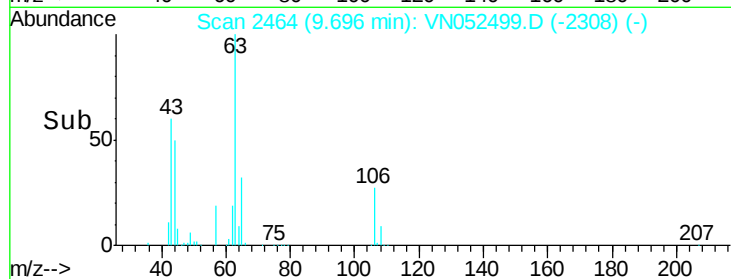
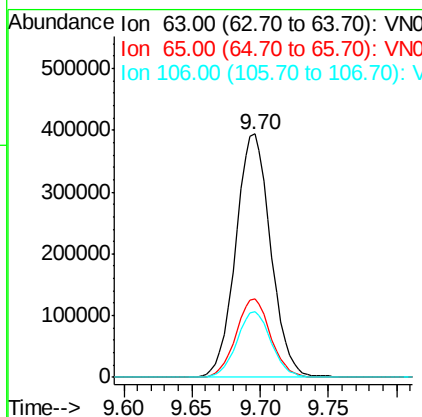
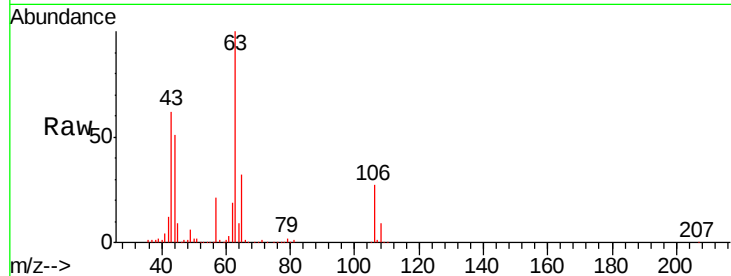
#55
 2-Chloroethyl vinyl ether
 Concen: 100.11 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	26.7	20.4	30.6

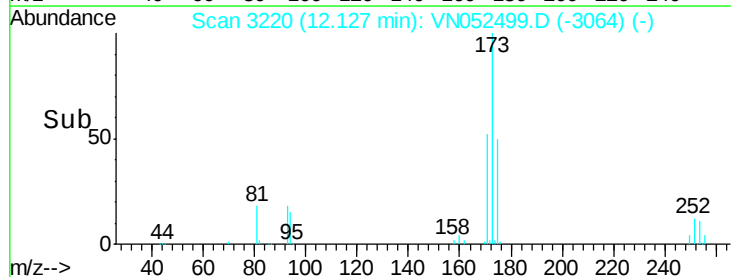
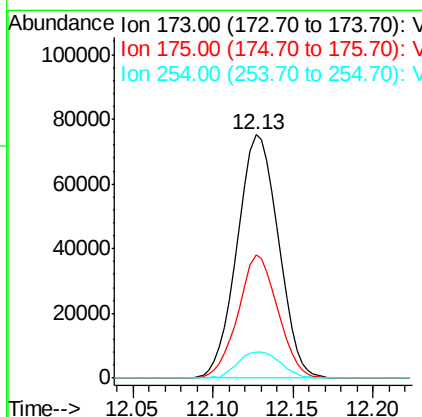
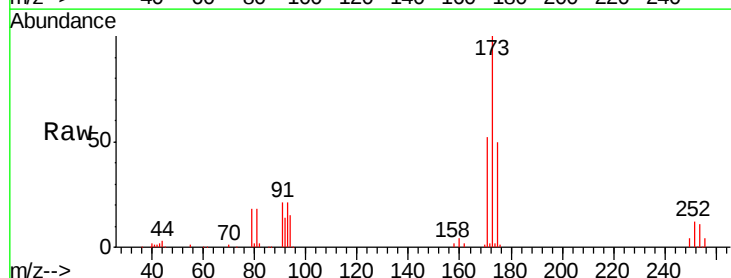
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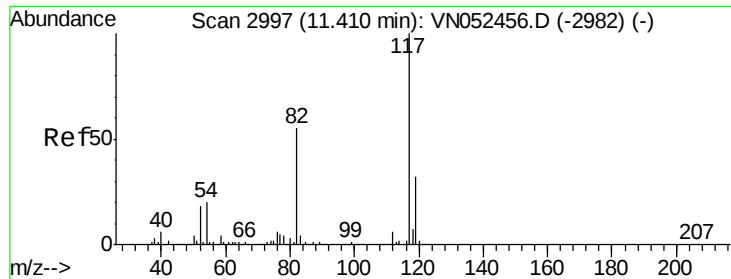
MMDadoda
 11/28/2018 9:32:36 AM



#56
 Bromoform
 Concen: 19.29 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.7	58.1
254	11.0	8.4	12.6





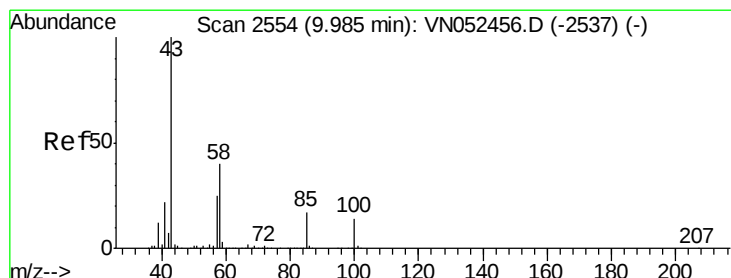
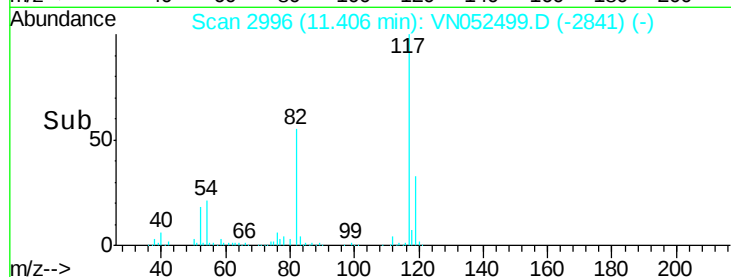
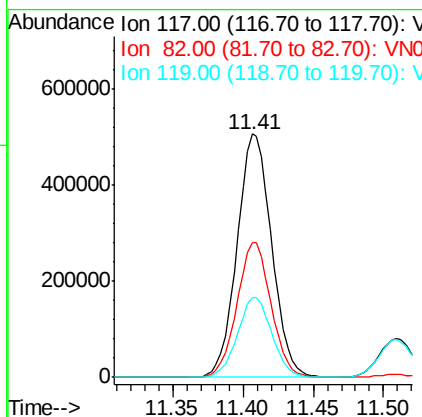
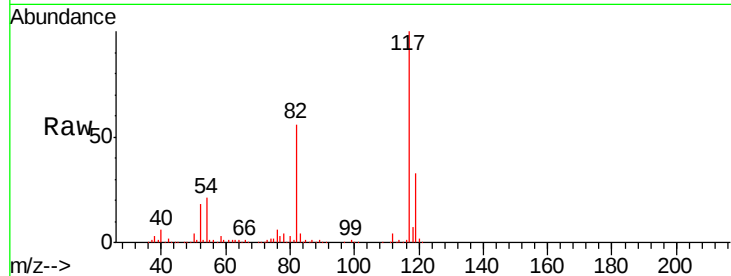
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	870463		
82	54.9	44.2	66.2	
119	32.7	25.4	38.2	

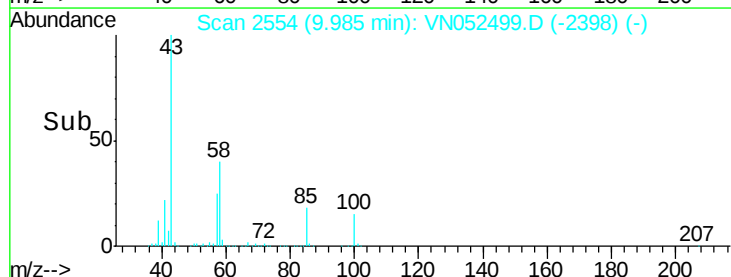
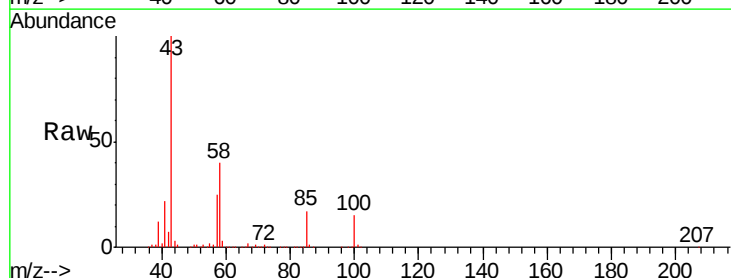
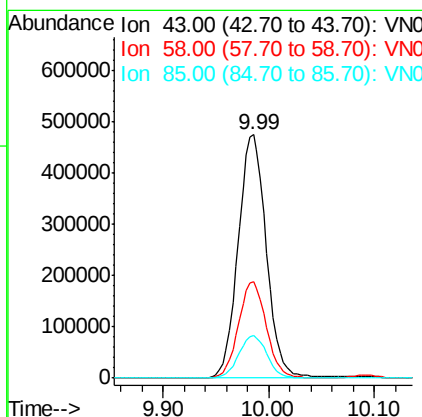
Manual Integrations
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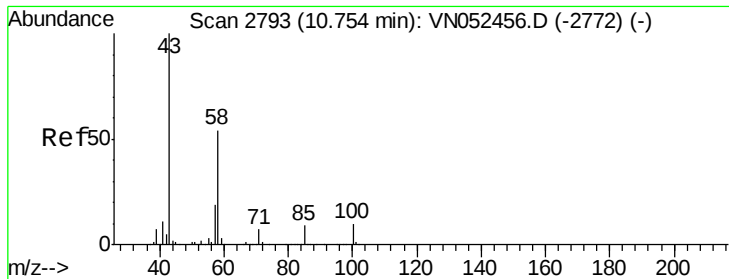
MMDadoda
11/28/2018 9:32:36 AM



#58
4-Methyl-2-Pentanone
Concen: 104.08 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	878343		
58	39.5	31.6	47.4	
85	17.6	13.3	19.9	





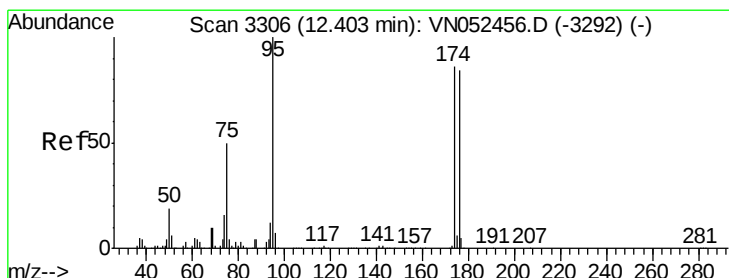
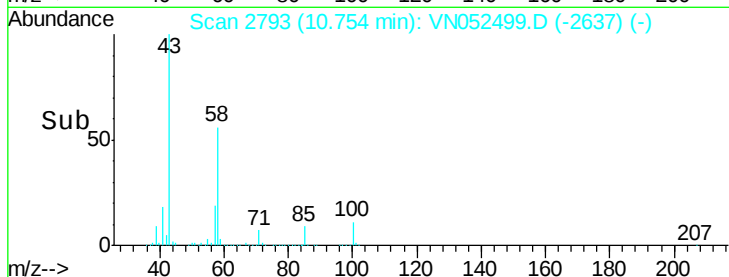
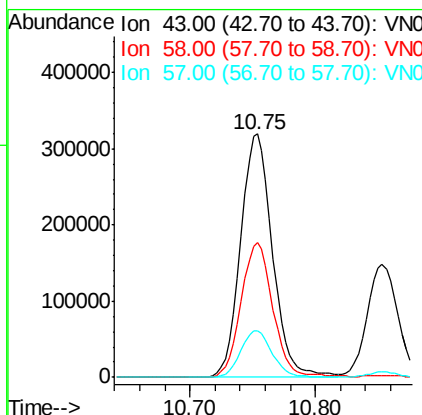
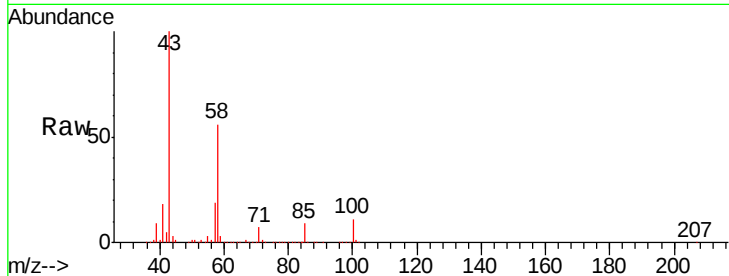
#59
2-Hexanone
Concen: 97.44 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.7	43.2	64.8
57	19.2	14.9	22.3

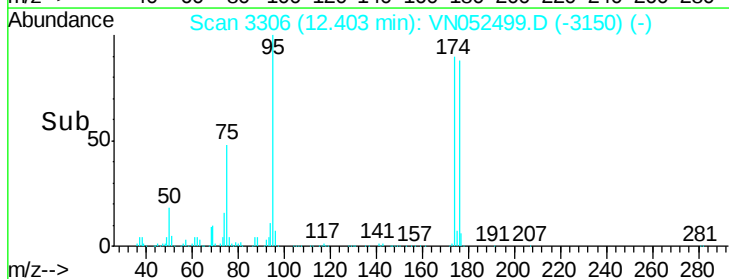
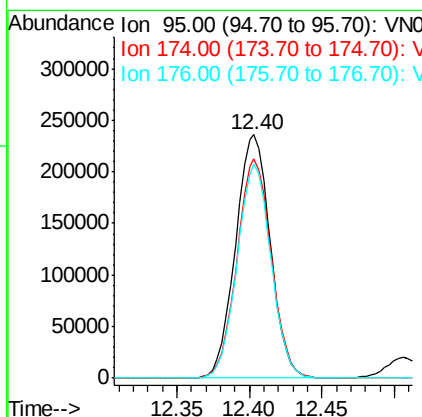
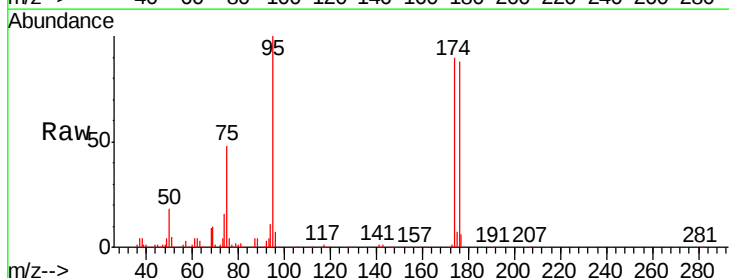
Manual Integrations
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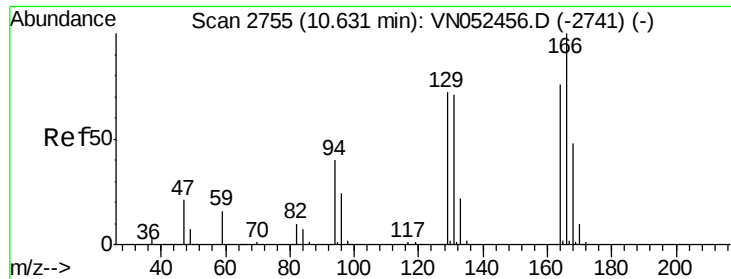
MMDadoda
11/28/2018 9:32:36 AM



#60
4-Bromofluorobenzene
Concen: 97.44 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	67.9	101.9
176	86.0	66.4	99.6





#61

Tetrachloroethene

Concen: 21.08 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 164 Resp: 226035

Ion Ratio Lower Upper

164 100

166 126.7 104.6 157.0

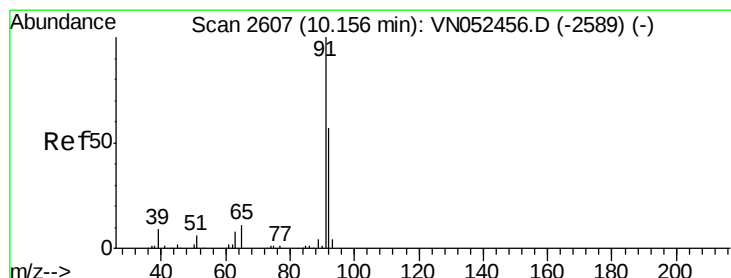
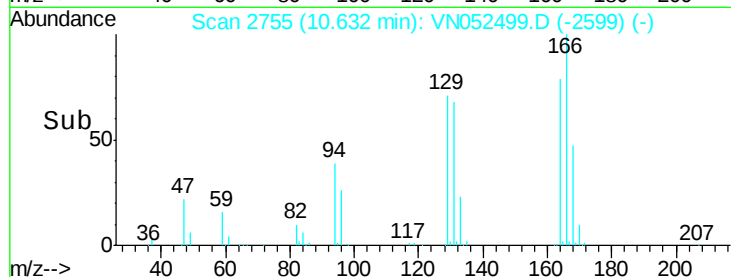
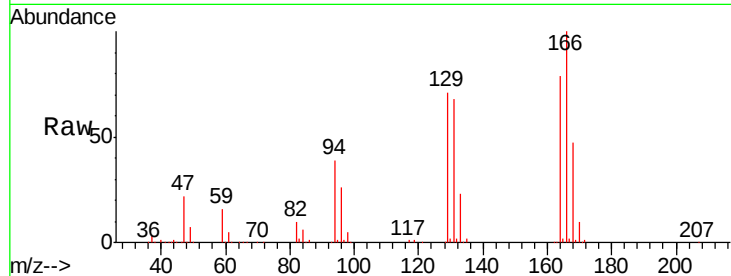
129 90.2 75.3 112.9

131 85.7 74.3 111.5

Manual Integrations
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#62

Toluene

Concen: 20.20 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052499.D

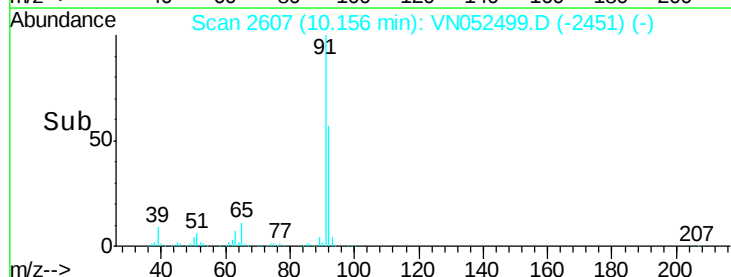
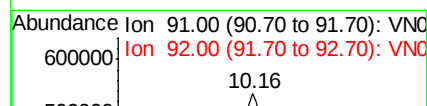
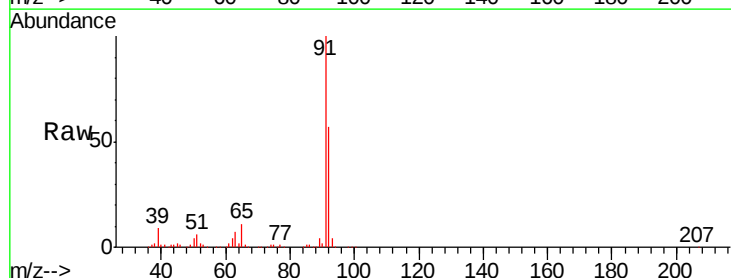
Acq: 28 Nov 2018 1:12

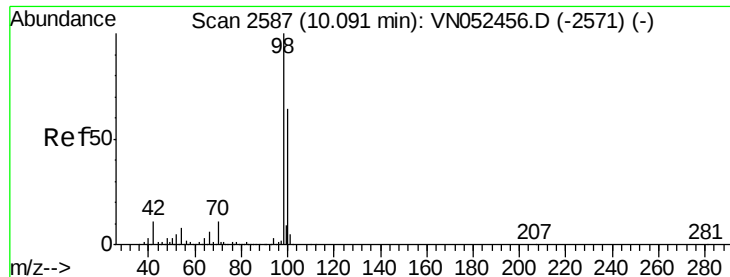
Tgt Ion: 91 Resp: 969520

Ion Ratio Lower Upper

91 100

92 56.6 45.4 68.2





#63

Toluene-d8

Concen: 20.20 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 98 Resp: 1214292

Ion Ratio Lower Upper

98 100

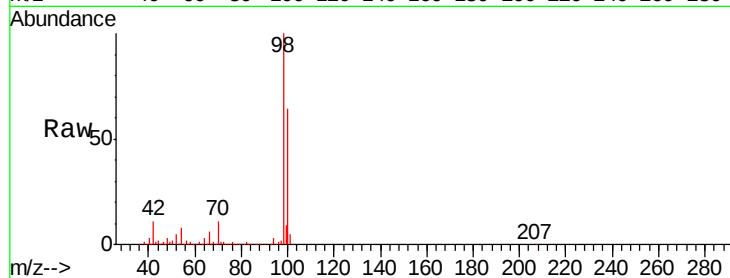
100 64.3 51.1 76.7

Manual Integrations

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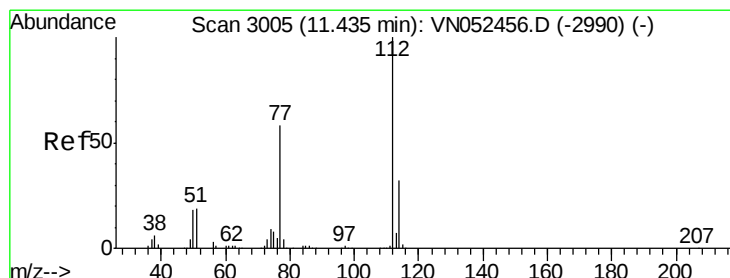
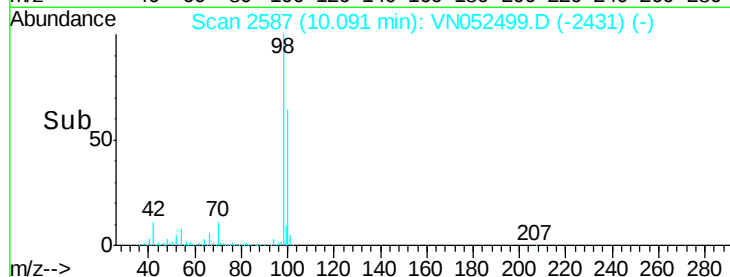
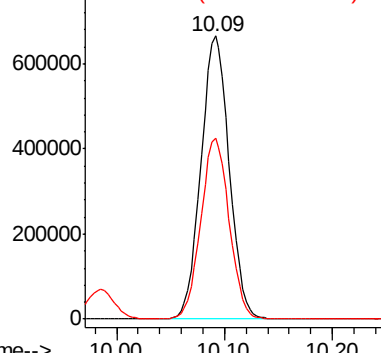
MMDadoda

11/28/2018 9:32:36 AM



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

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



#64

Chlorobenzene

Concen: 19.84 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052499.D

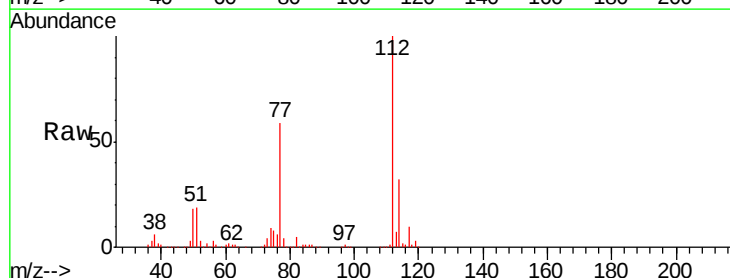
Acq: 28 Nov 2018 1:12

Tgt Ion: 112 Resp: 581089

Ion Ratio Lower Upper

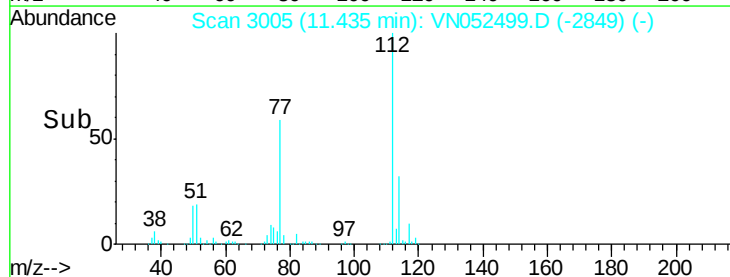
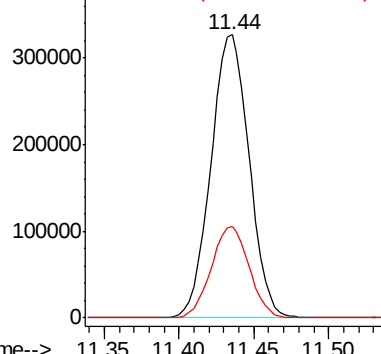
112 100

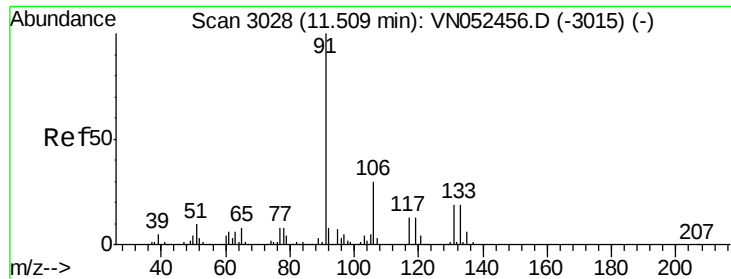
114 32.2 25.6 38.4



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

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





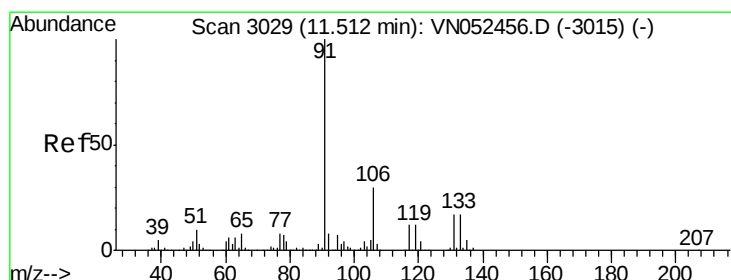
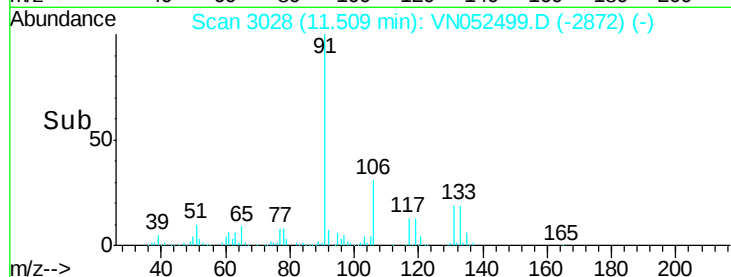
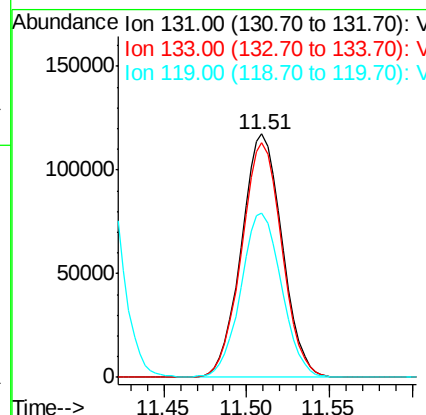
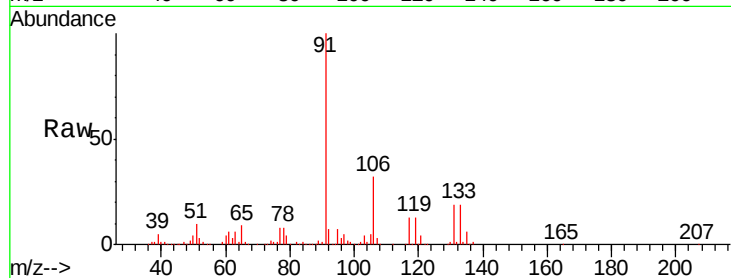
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.81 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	201436		
133	95.4	0.0	193.4	
119	67.4	0.0	133.0	

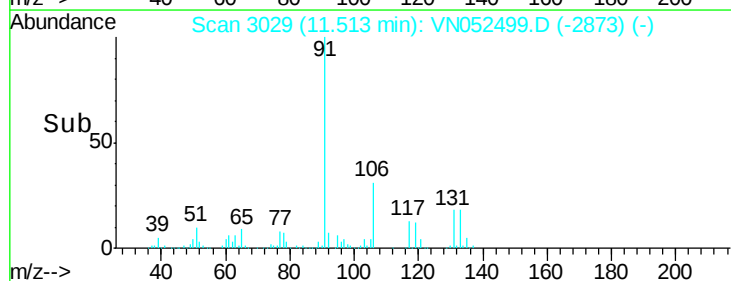
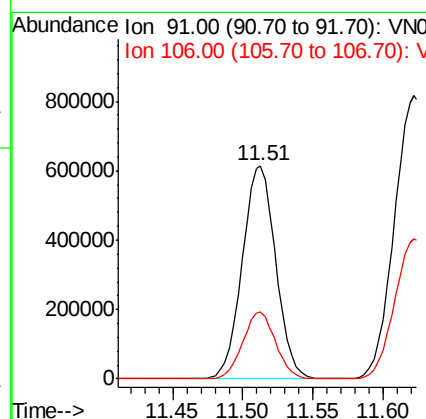
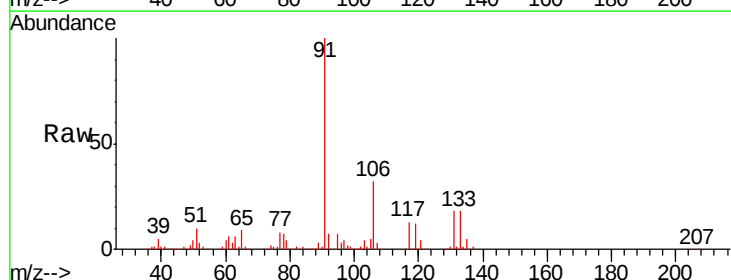
Manual Integrations
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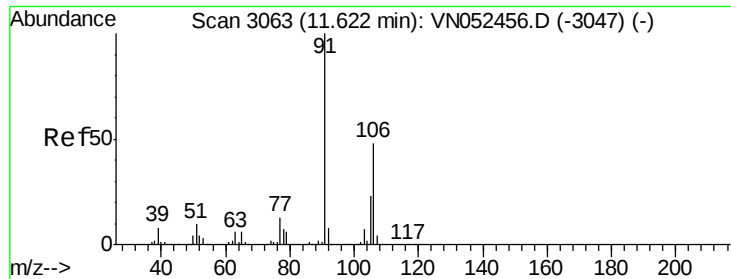
MMDadoda
 11/28/2018 9:32:36 AM



#66
 Ethyl Benzene
 Concen: 19.77 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1022217		
106	31.6	24.3	36.5	





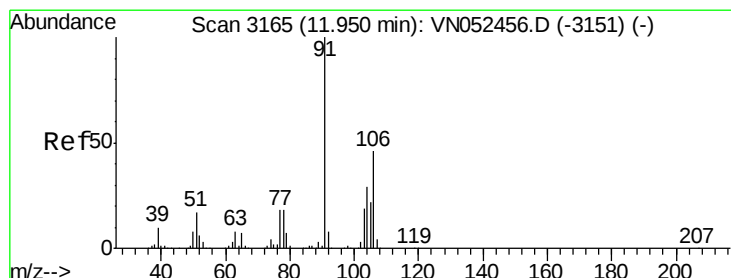
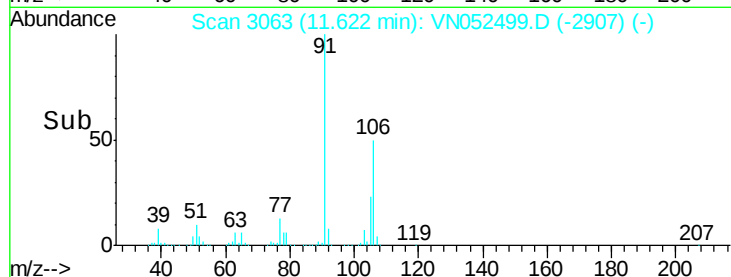
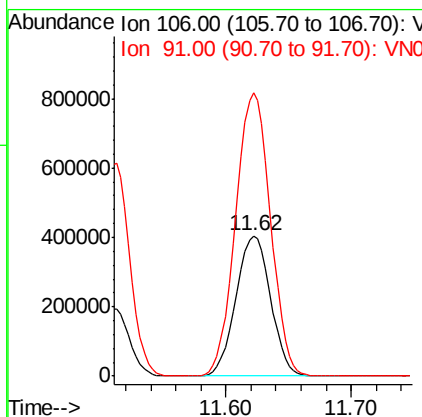
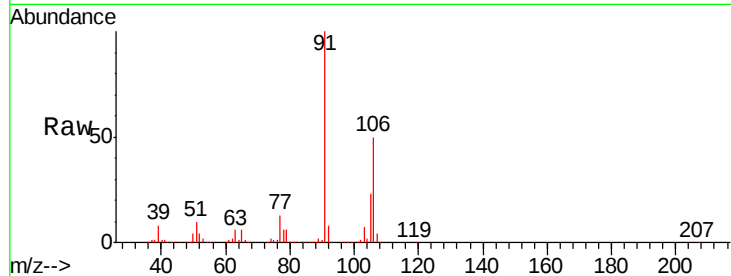
#67
m/p-Xylenes
Concen: 40.34 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion:106 Resp: 777255
Ion Ratio Lower Upper
106 100
91 202.9 163.9 245.9

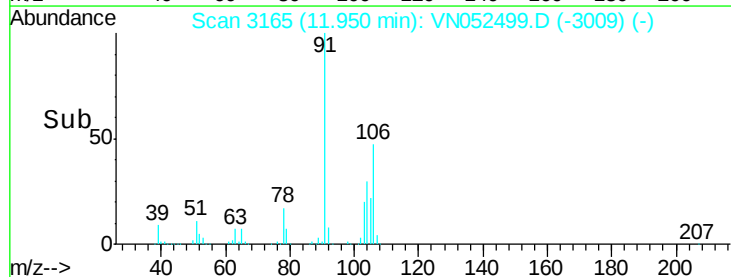
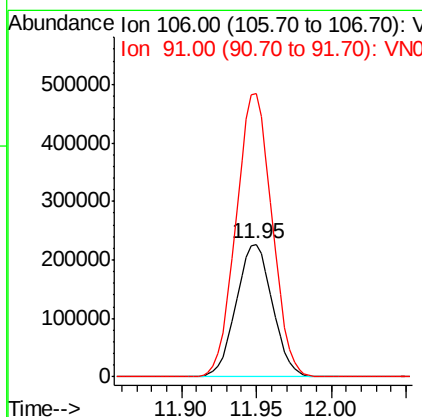
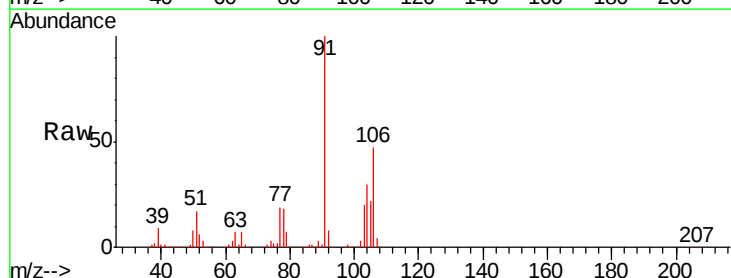
Manual Integrations
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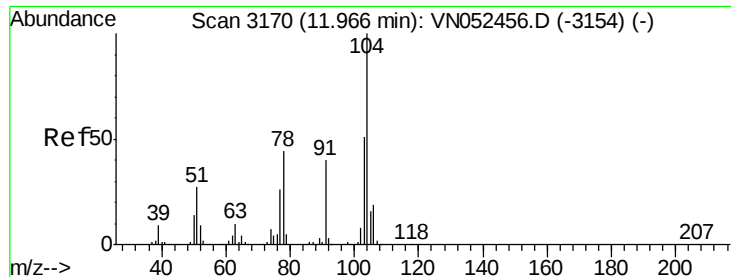
MMDadoda
11/28/2018 9:32:36 AM



#68
o-Xylene
Concen: 20.43 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion:106 Resp: 382094
Ion Ratio Lower Upper
106 100
91 212.5 107.8 323.4





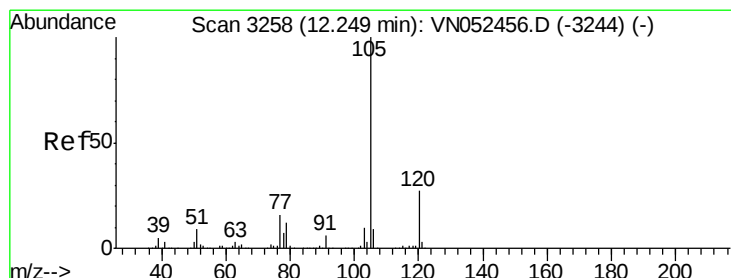
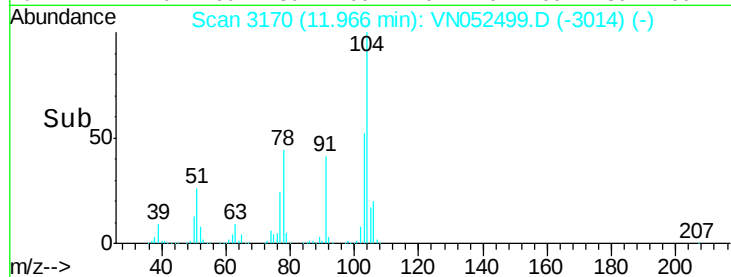
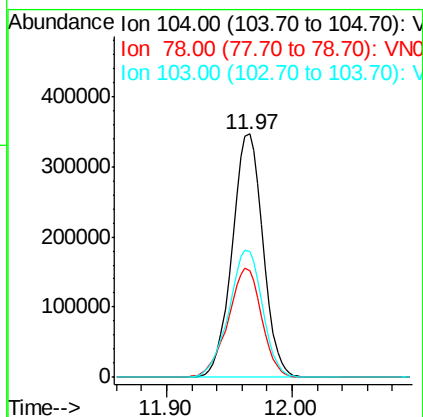
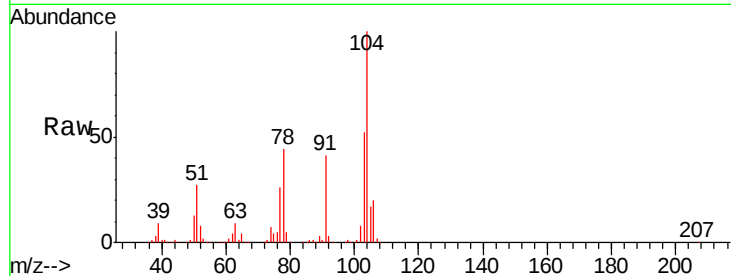
#69
Styrene
Concen: 19.61 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	39.3	58.9
103	56.8	44.6	66.8

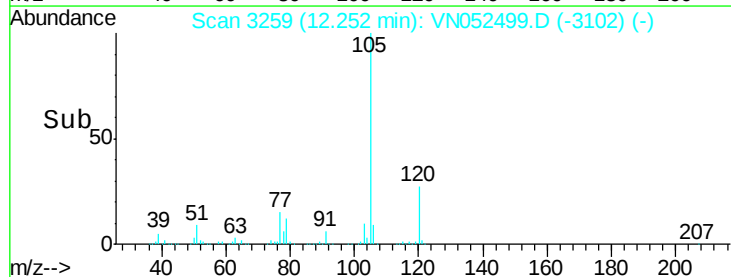
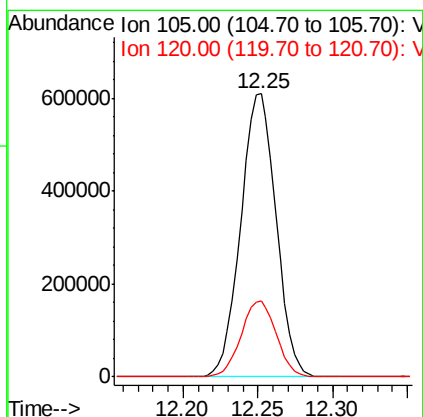
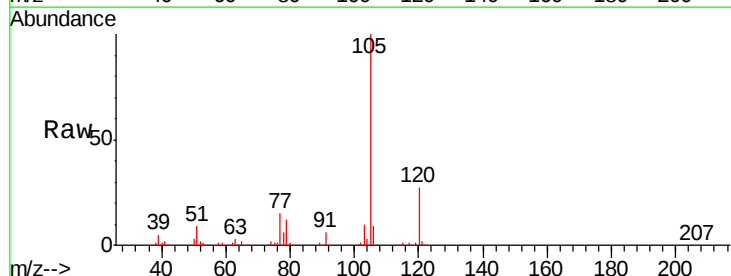
Manual Integrations
APPROVED

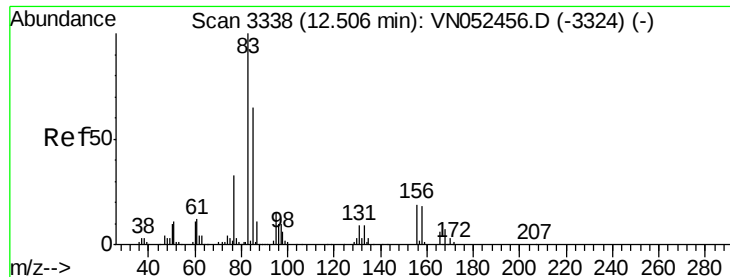
MMDadoda
11/28/2018 9:32:36 AM



#70
Isopropylbenzene
Concen: 20.13 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.6	34.6





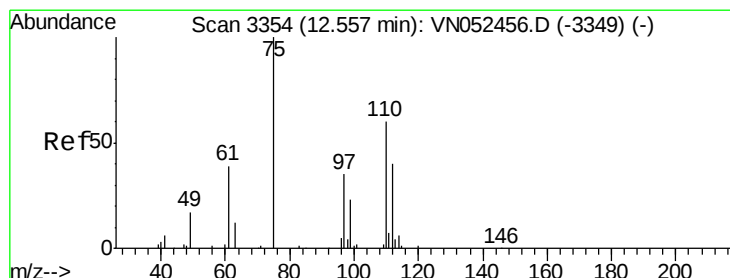
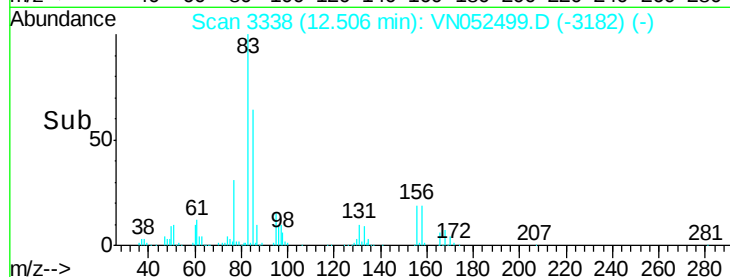
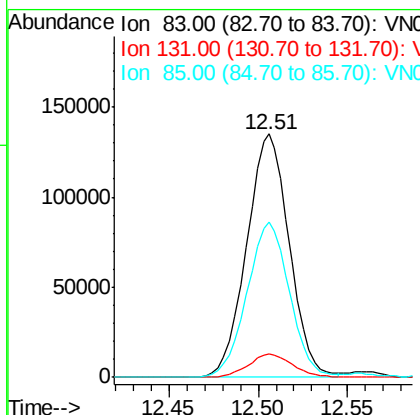
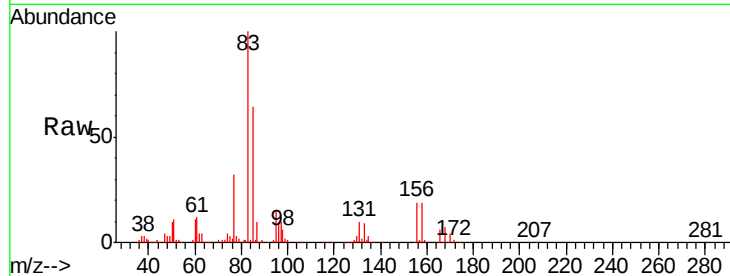
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.80 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	225090		
131	9.9	4.9	14.6	
85	63.6	32.2	96.6	

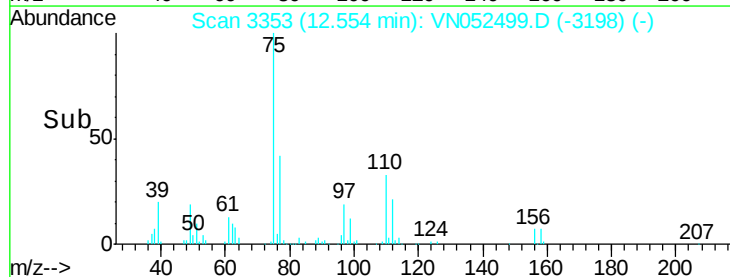
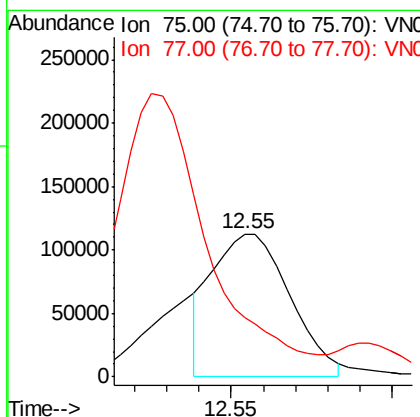
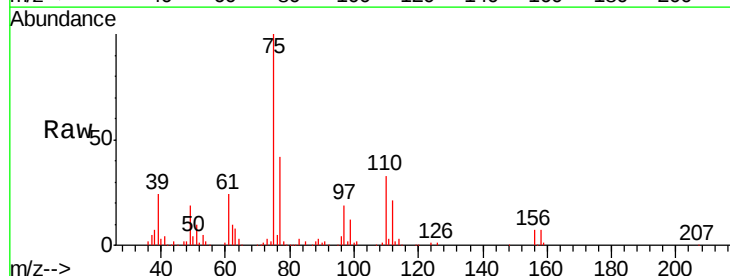
Manual Integrations
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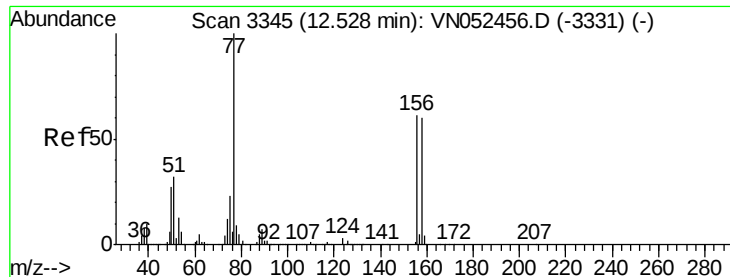
MMDadoda
 11/28/2018 9:32:36 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.45 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	190030		
77	235.0	0.0	514.8	





#73

Bromobenzene

Concen: 20.14 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

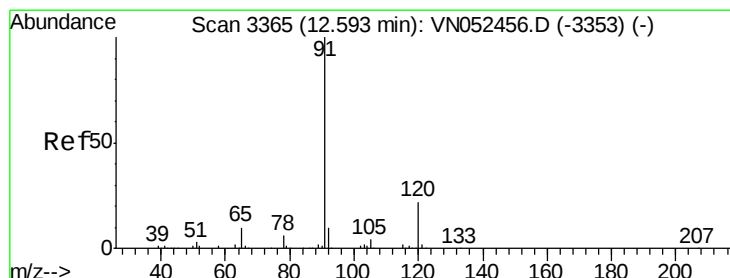
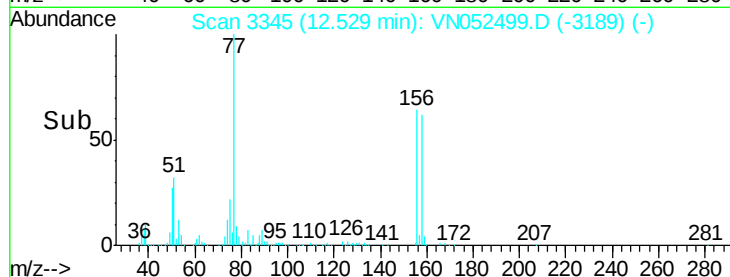
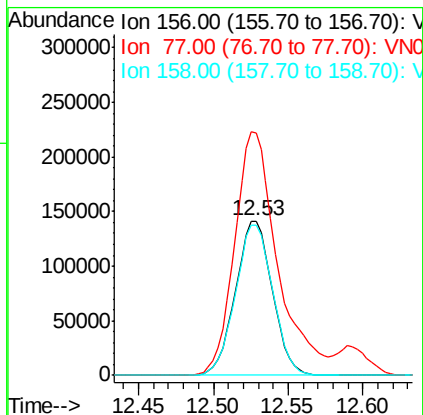
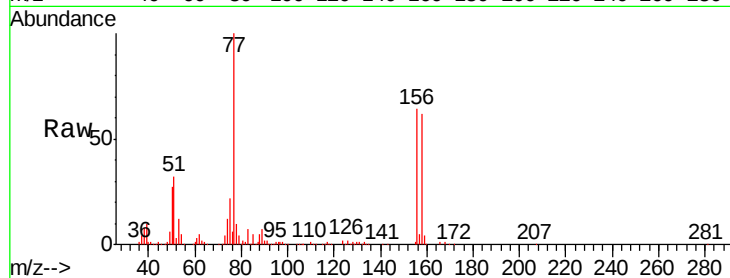
ClientSampleId :

VN1127WBSD02

Tgt Ion:	156	Resp:	242421
Ion Ratio	Lower	Upper	
156	100		
77	184.3	0.0	382.6
158	98.4	0.0	196.8

Manual Integrations
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MMDadoda
11/28/2018 9:32:36 AM



#74

n-propylbenzene

Concen: 19.41 ug/l

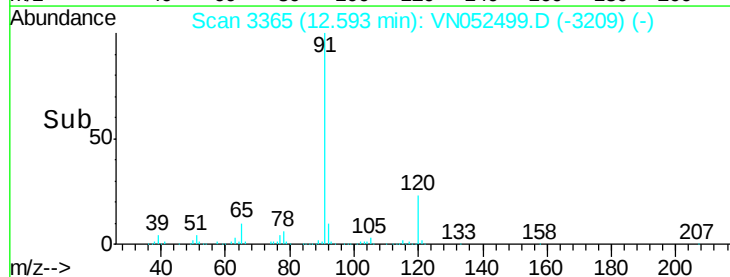
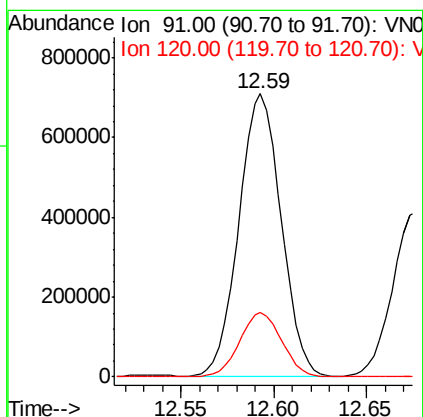
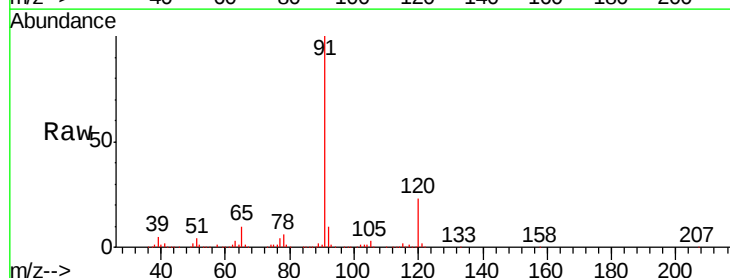
RT: 12.59 min Scan# 3365

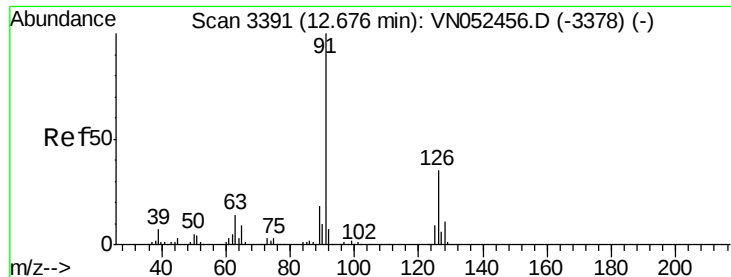
Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Tgt Ion:	91	Resp:	1125596
Ion Ratio	Lower	Upper	
91	100		
120	22.6	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.12 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 91 Resp: 677198

Ion Ratio Lower Upper

91 100

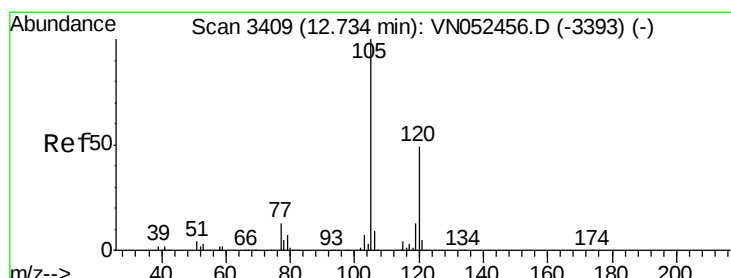
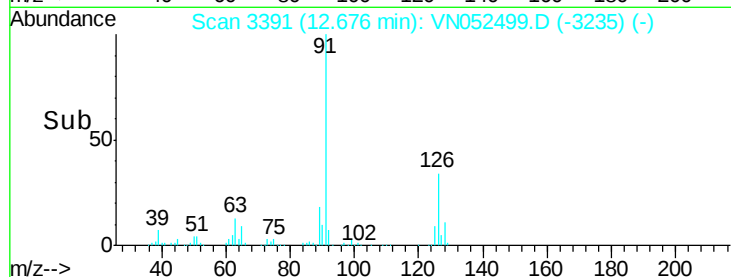
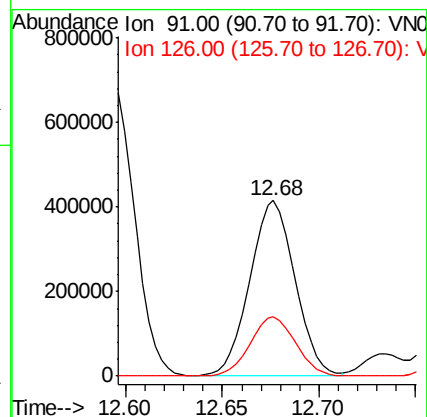
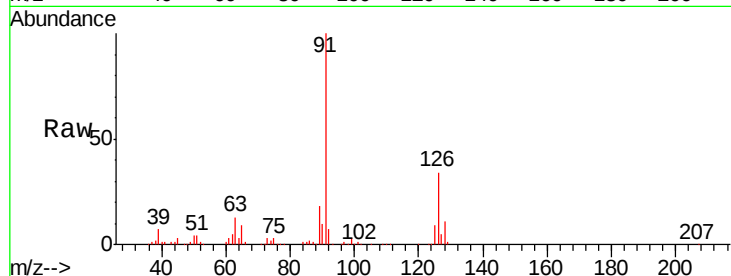
126 33.8 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.07 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052499.D

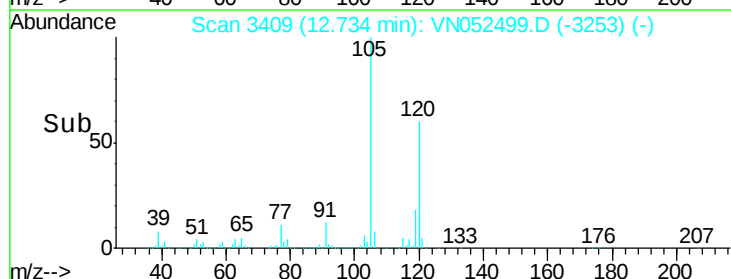
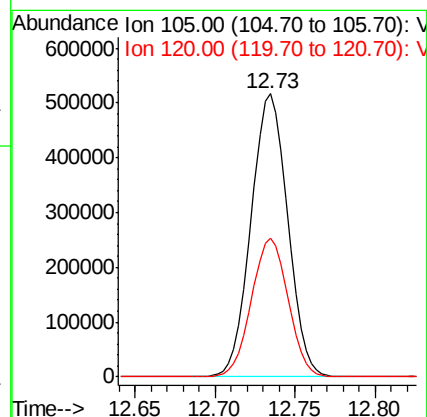
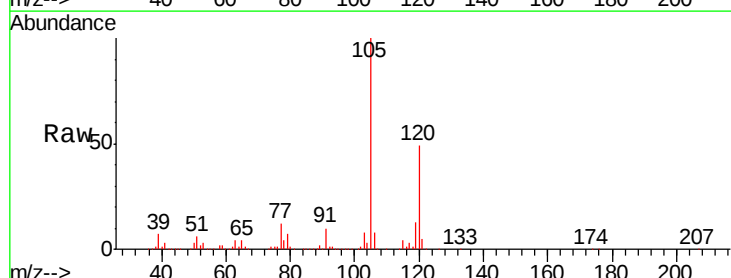
Acq: 28 Nov 2018 1:12

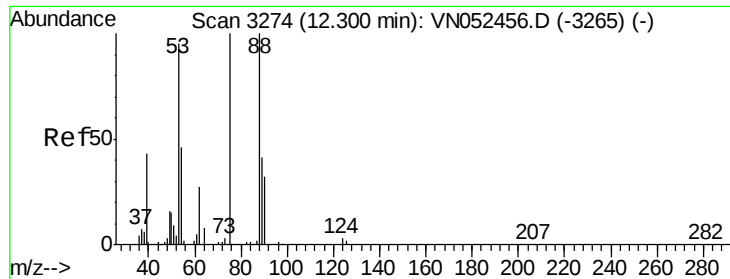
Tgt Ion: 105 Resp: 806797

Ion Ratio Lower Upper

105 100

120 49.2 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.62 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052499.D

Acq: 28 Nov 2018 1:12

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD02

Tgt Ion: 75 Resp: 51722

Ion Ratio Lower Upper

75 100

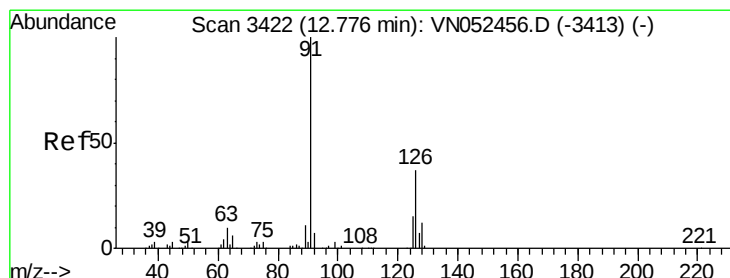
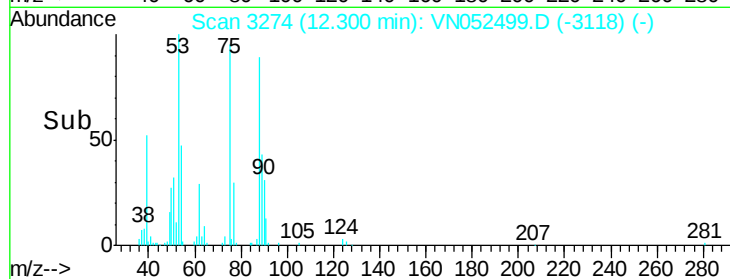
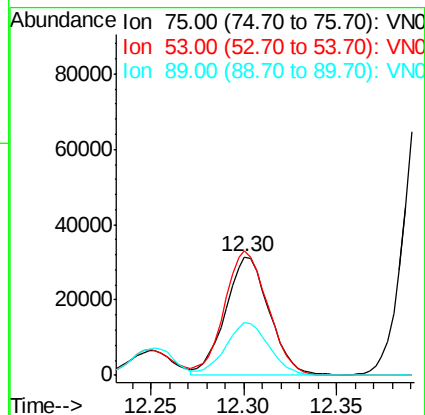
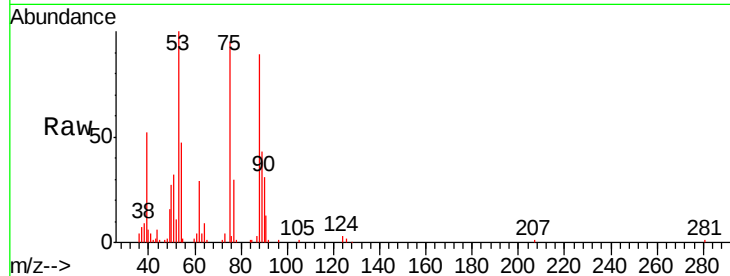
53 105.2 48.5 145.6

89 45.1 21.7 65.1

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#78

4-Chlorotoluene

Concen: 19.43 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052499.D

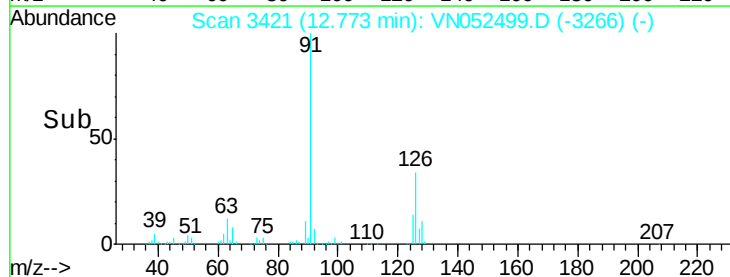
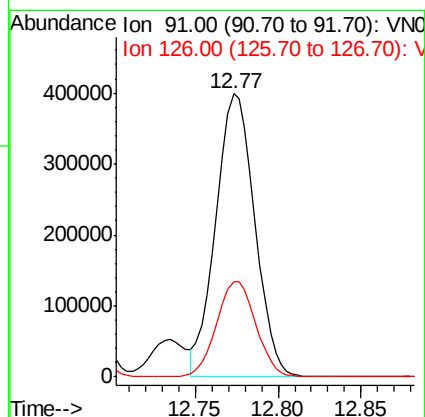
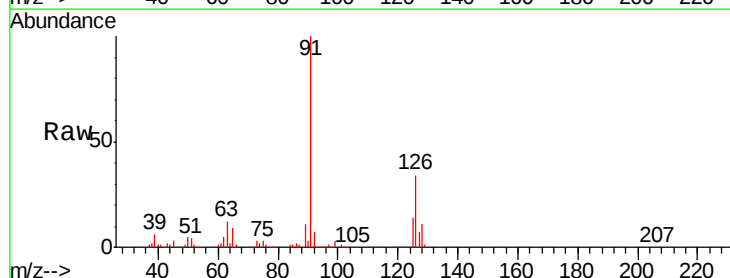
Acq: 28 Nov 2018 1:12

Tgt Ion: 91 Resp: 652948

Ion Ratio Lower Upper

91 100

126 33.9 0.0 68.2





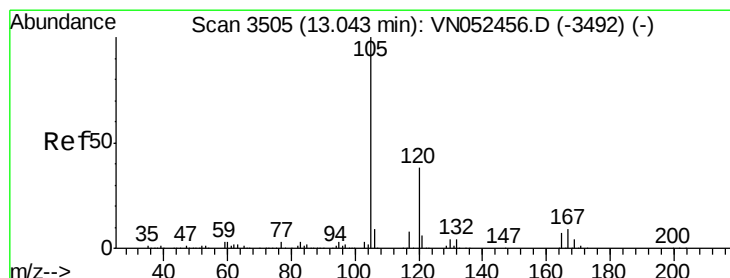
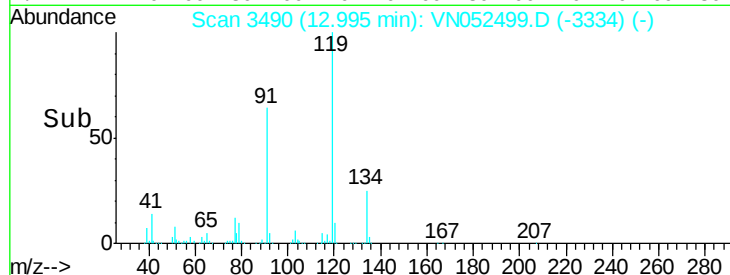
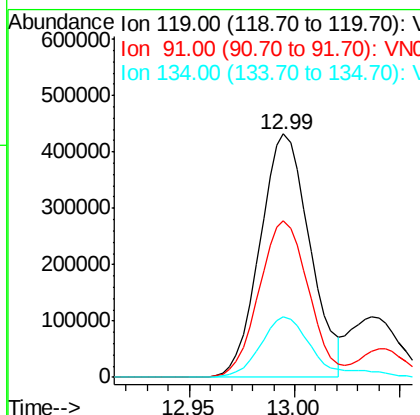
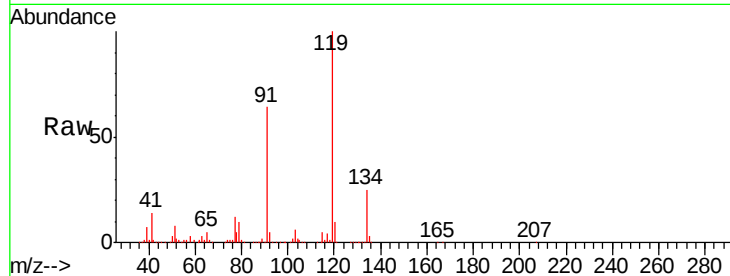
#79
tert-butylbenzene
Concen: 20.34 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
91	63.9	0.0	129.8
134	26.4	0.0	52.2

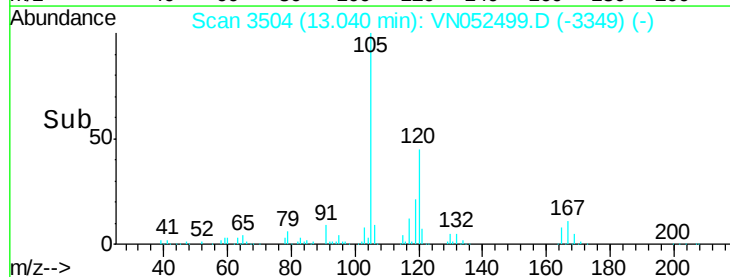
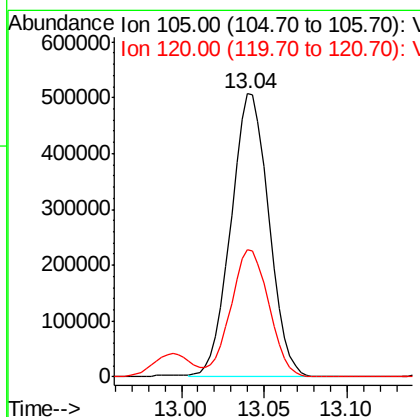
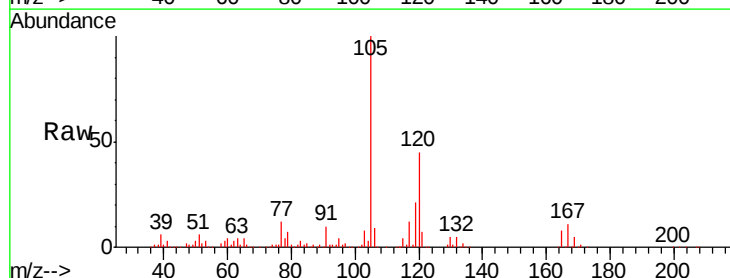
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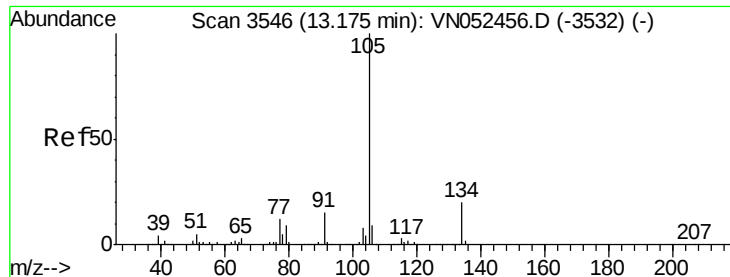
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.07 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	45.2	0.0	91.0





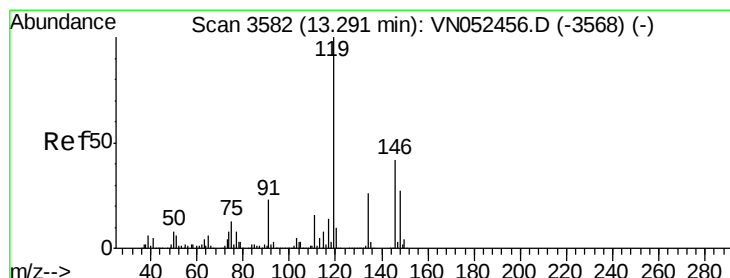
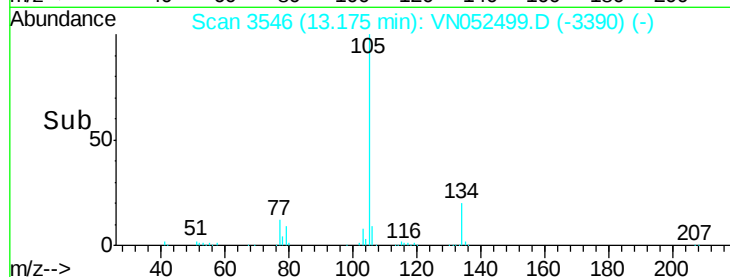
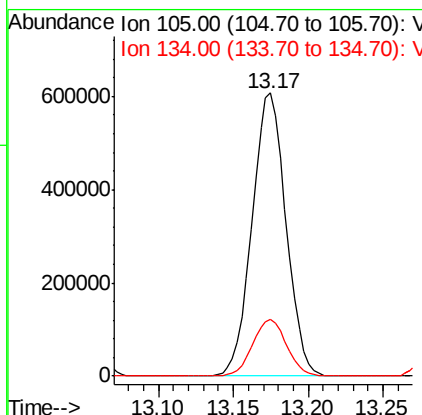
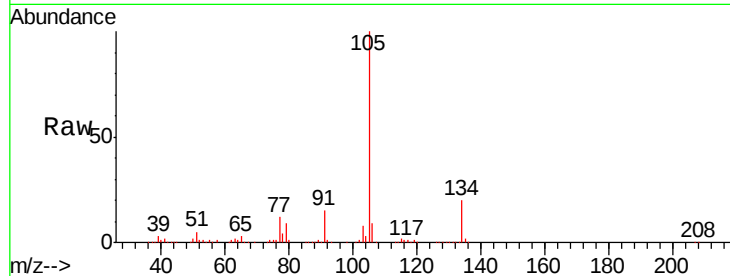
#81
 sec-Butylbenzene
 Concen: 19.61 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	955906		
134	20.1	0.0	40.4	

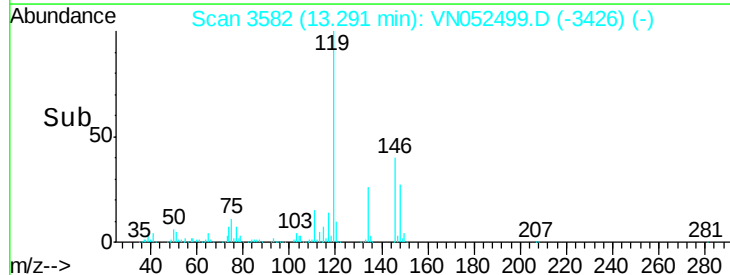
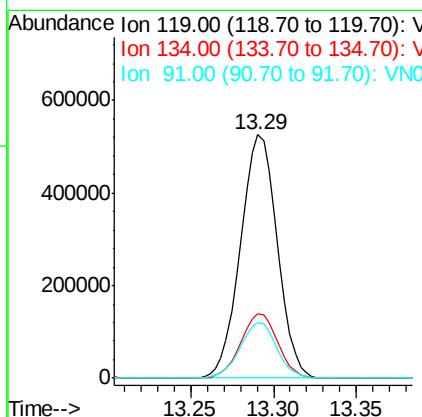
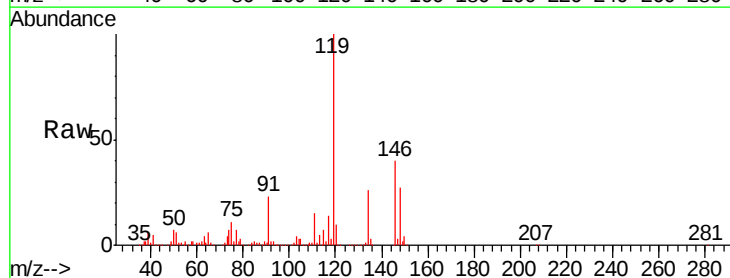
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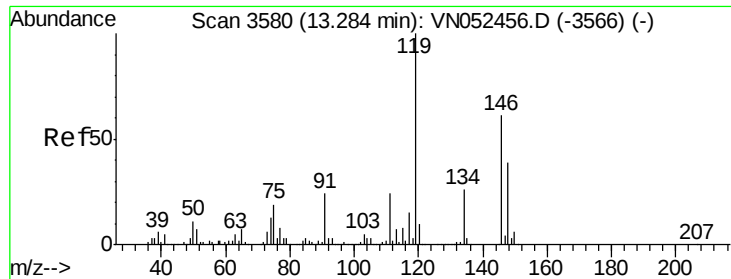
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#82
 p-Isopropyltoluene
 Concen: 19.56 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	811936		
134	26.6	0.0	52.6	
91	22.7	0.0	46.2	





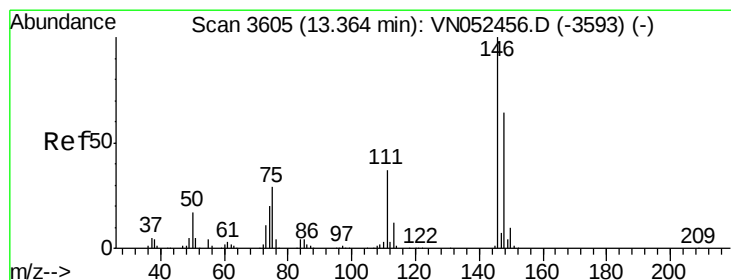
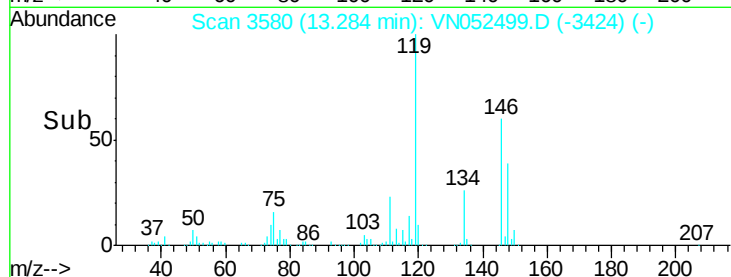
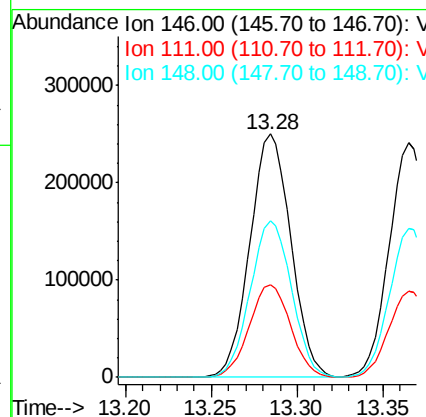
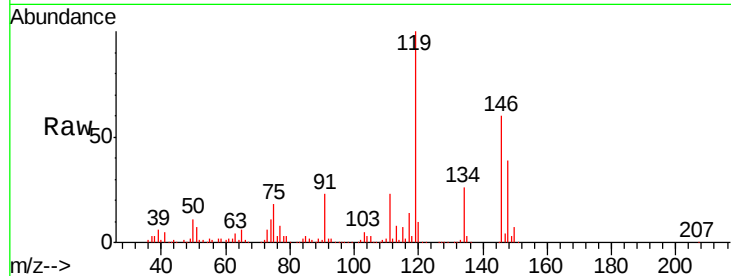
#83
1,3-Dichlorobenzene
Concen: 19.51 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.0
148	65.1	32.3	96.8

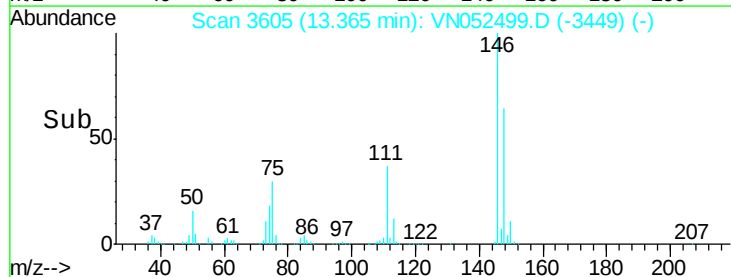
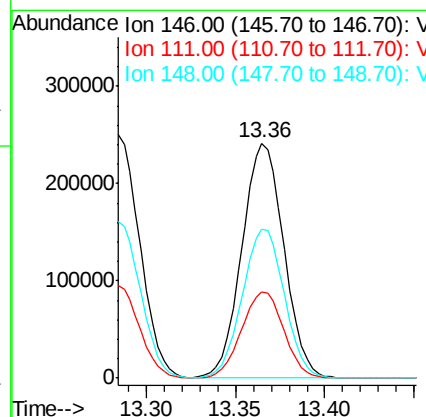
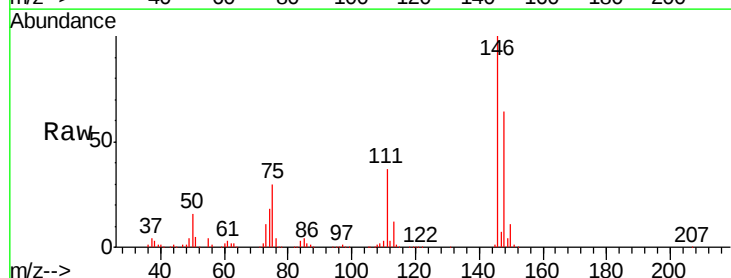
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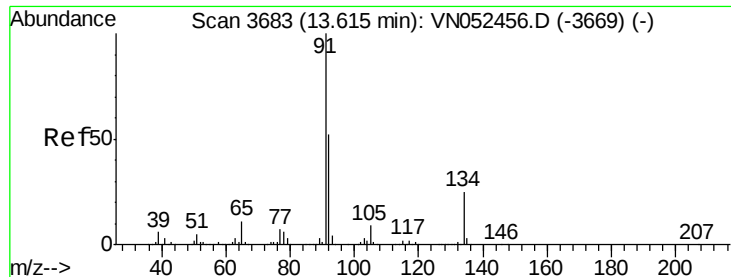
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#84
1,4-Dichlorobenzene
Concen: 19.45 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.3
148	63.6	32.5	97.4





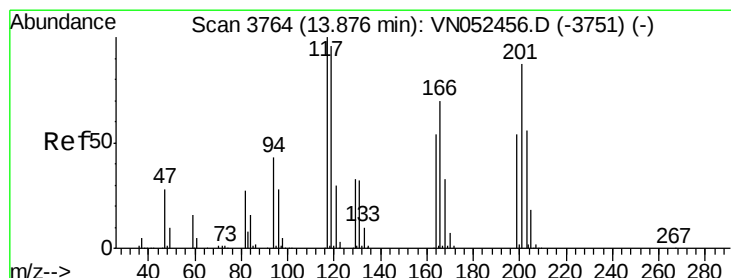
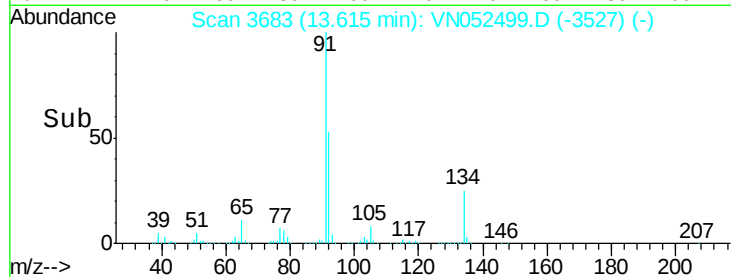
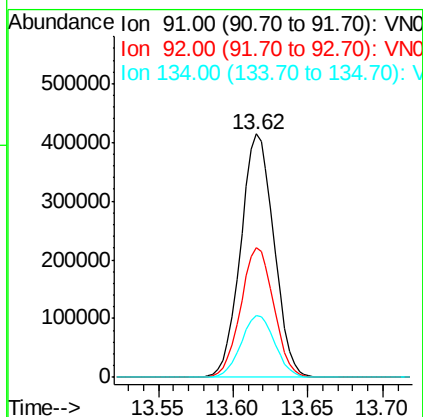
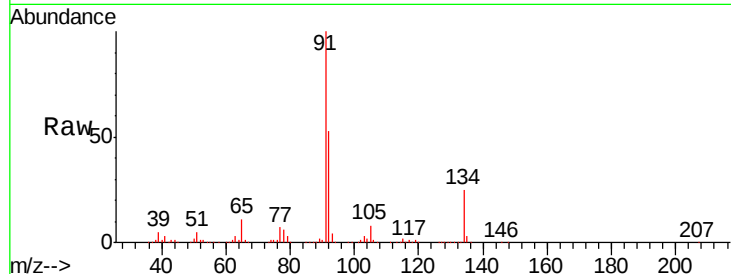
#85
n-Butylbenzene
Concen: 17.95 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	0.0	104.2
134	25.6	0.0	50.6

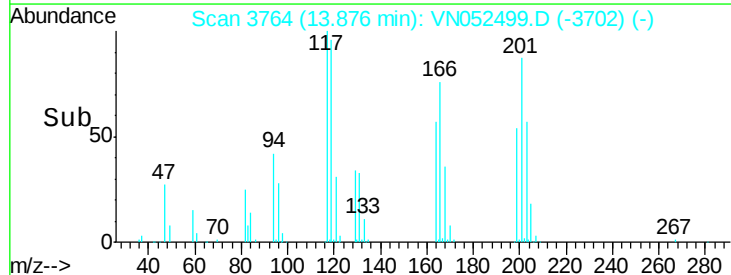
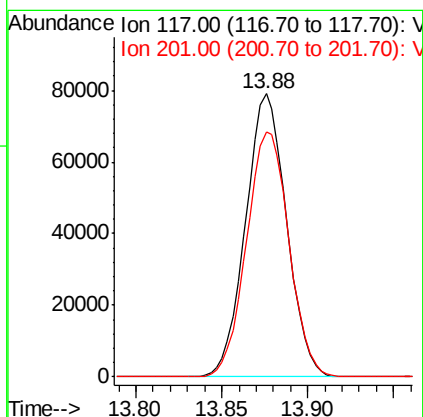
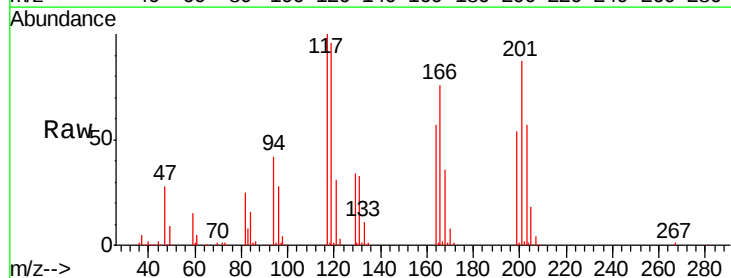
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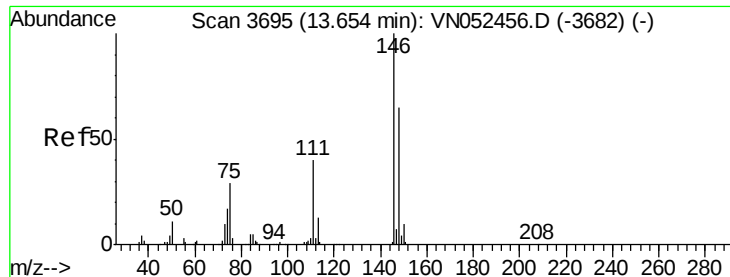
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#86
Hexachloroethane
Concen: 18.56 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	43.8	131.3





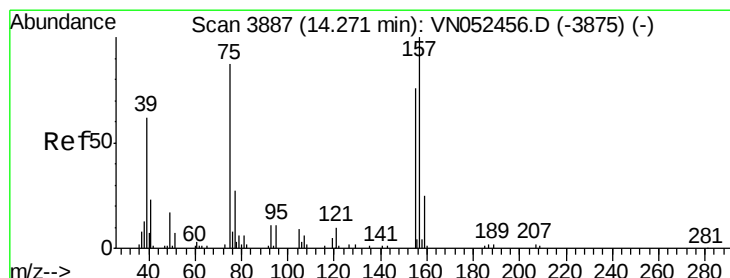
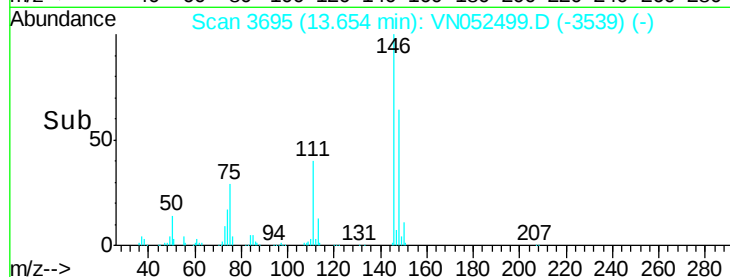
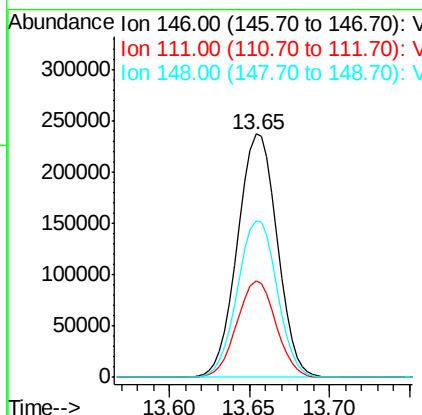
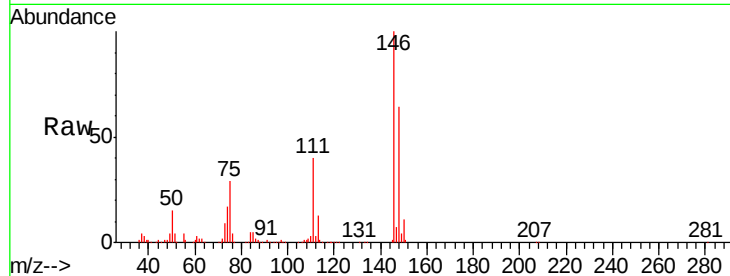
#87
 1,2-Dichlorobenzene
 Concen: 19.95 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	401920		
111	39.1	20.3	60.8	
148	64.5	32.1	96.5	

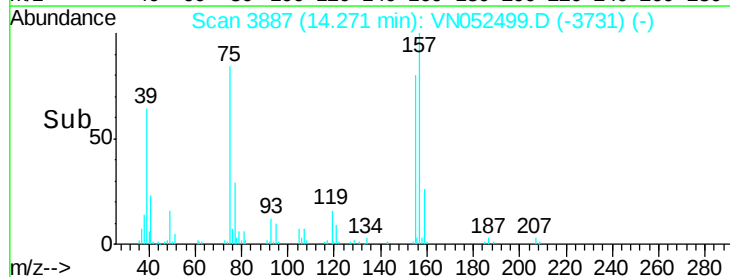
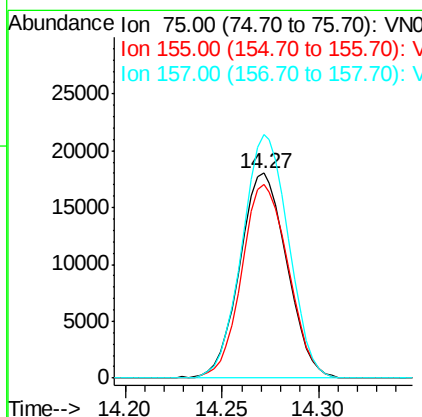
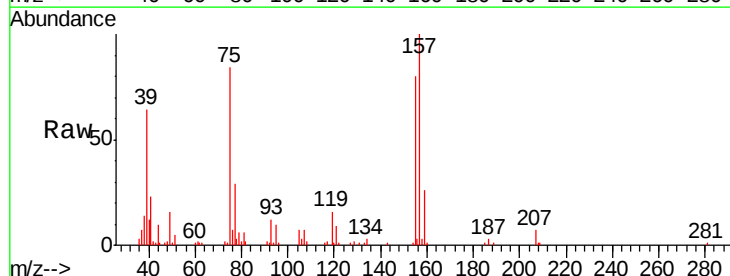
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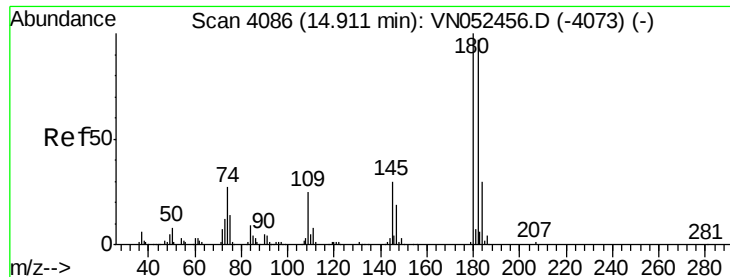
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.22 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30651		
155	93.5	72.2	108.2	
157	117.0	94.2	141.2	





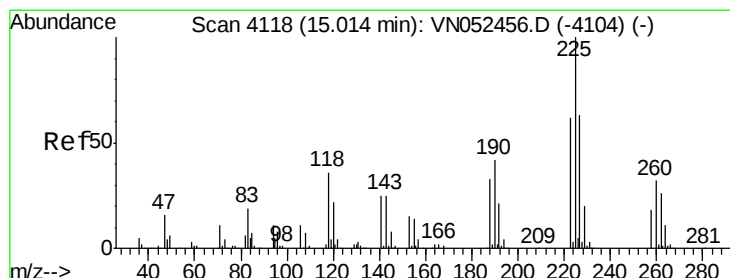
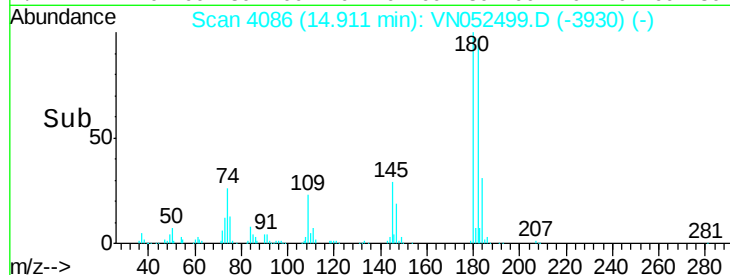
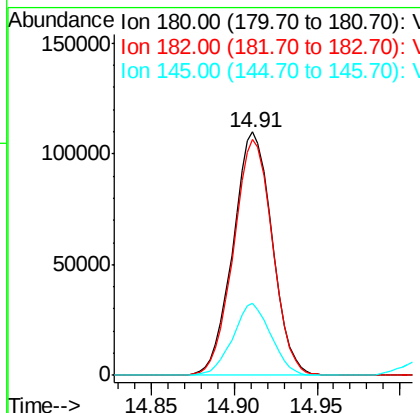
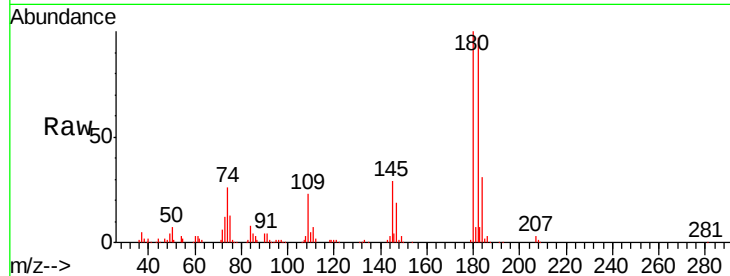
#89
 1,2,4-Trichlorobenzene
 Concen: 18.19 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
145	28.7	23.6	35.4

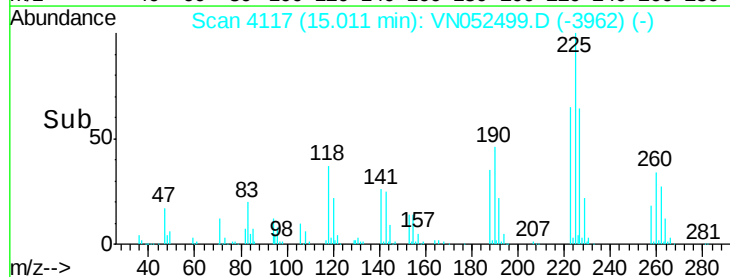
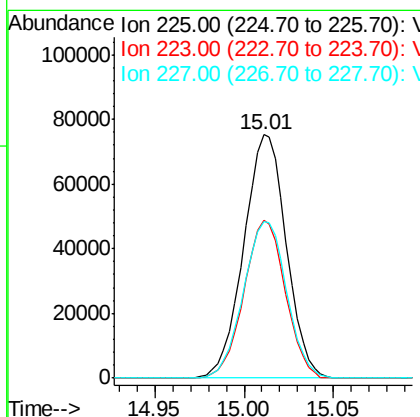
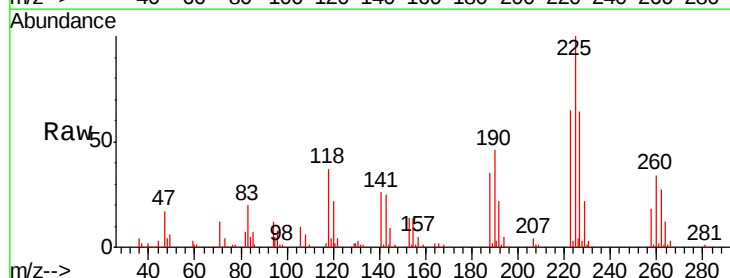
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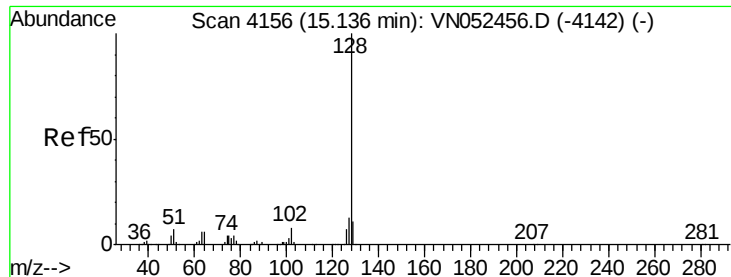
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 11/28/2018 9:32:36 AM



#90
 Hexachlorobutadiene
 Concen: 19.27 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052499.D
 Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	125.6
227	65.2	0.0	127.8





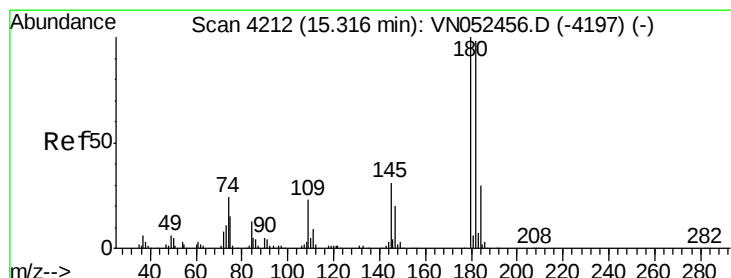
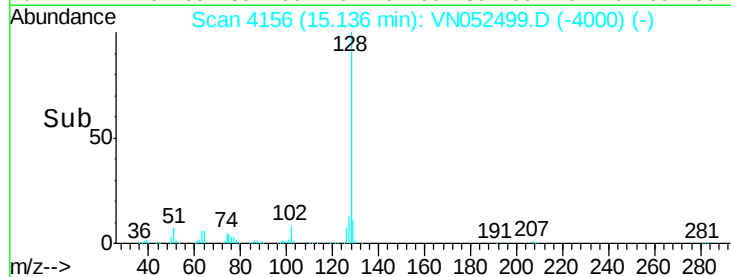
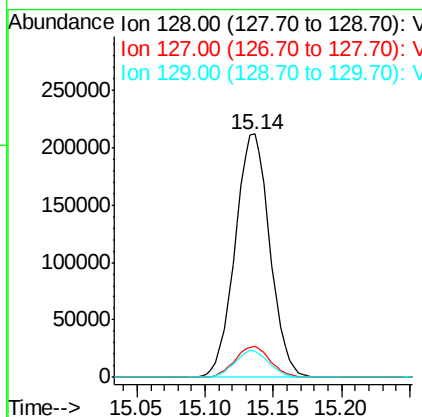
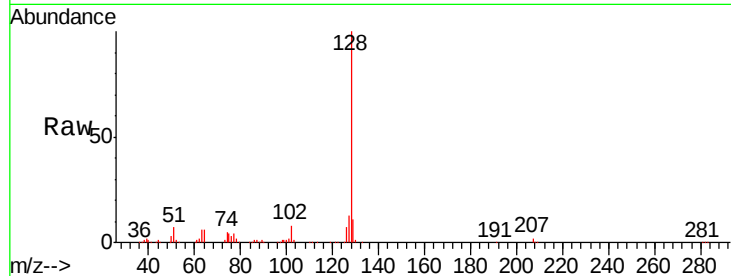
#91
Naphthalene
Concen: 18.67 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD02

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.8	9.9	14.9
129	11.0	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 18.89 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052499.D
Acq: 28 Nov 2018 1:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.0	0.0	196.2
145	30.2	0.0	62.2

