

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110818\
 Data File : VN052217.D
 Acq On : 8 Nov 2018 12:08
 Operator : MD\SY
 Sample : VN1108WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:49:04 AM

Quant Time: Nov 08 13:08:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	369967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	619923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	247897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	225838	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
35) Dibromofluoromethane	7.59	113	195381	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.09	98	759128	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	248662	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	62960	19.516	ug/l	98
3) Chloromethane	2.06	50	81813	18.789	ug/l	100
4) Vinyl Chloride	2.19	62	83921	20.122	ug/l	98
5) Bromomethane	2.57	94	57816	18.543	ug/l	94
6) Chloroethane	2.71	64	52290	19.609	ug/l	97
7) Trichlorofluoromethane	3.02	101	121538	20.062	ug/l	99
8) Diethyl Ether	3.41	74	41394	19.558	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	73063	20.182	ug/l	99
10) Methyl Iodide	3.95	142	95830	18.749	ug/l	99
11) Tert butyl alcohol	4.78	59	22884	119.993	ug/l #	79
12) 1,1-Dichloroethene	3.74	96	66563	19.530	ug/l	89
13) Acrolein	3.61	56	12366	88.212	ug/l	99
14) Allyl chloride	4.32	41	107423	18.885	ug/l	95
15) Acrylonitrile	4.99	53	131787	105.555	ug/l	98
16) Acetone	3.82	43	105857	106.503	ug/l	95
17) Carbon Disulfide	4.06	76	178554	18.359	ug/l	97
18) Methyl Acetate	4.33	43	64720	20.491	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	190548	20.315	ug/l	100
20) Methylene Chloride	4.56	84	78776	19.075	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	72144	19.093	ug/l	95
22) Diisopropyl ether	5.95	45	255110	20.444	ug/l	92
23) Vinyl Acetate	5.90	43	863337	104.668	ug/l	97
24) 1,1-Dichloroethane	5.85	63	143551	20.248	ug/l	99
25) 2-Butanone	6.83	43	164515	106.743	ug/l	97
26) 2,2-Dichloropropane	6.82	77	113160	20.395	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	87433	20.335	ug/l	97
28) Bromochloromethane	7.20	49	65277	19.461	ug/l	99
29) Tetrahydrofuran	7.21	42	98823	103.632	ug/l	96
30) Chloroform	7.37	83	142413	20.159	ug/l	99
31) Cyclohexane	7.66	56	137550	19.783	ug/l #	94
32) 1,1,1-Trichloroethane	7.57	97	122788	19.730	ug/l	98
36) 1,1-Dichloropropene	7.79	75	112611	20.534	ug/l	98
37) Ethyl Acetate	6.93	43	68949	20.372	ug/l #	88
38) Carbon Tetrachloride	7.77	117	108053	19.708	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	134982	20.783	ug/l	97
40) Benzene	8.04	78	330348	20.491	ug/l	96
41) Methacrylonitrile	7.17	41	35986m	19.861	ug/l	
42) 1,2-Dichloroethane	8.13	62	104752	20.213	ug/l	99
43) Isopropyl Acetate	8.16	43	127655	20.401	ug/l #	92
44) Trichloroethene	8.84	130	85684	20.075	ug/l	98
45) 1,2-Dichloropropane	9.12	63	87946	20.599	ug/l	98
46) Dibromomethane	9.21	93	55505	20.442	ug/l	96
47) Bromodichloromethane	9.40	83	107738	20.346	ug/l	95
48) Methyl methacrylate	9.20	41	65403	21.717	ug/l	94
49) 1,4-Dioxane	9.20	88	14188	547.421	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	352676	106.685	ug/l	100
52) Toluene	10.16	92	204686	21.055	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	105362	20.282	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	124976	20.559	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	71317	20.807	ug/l	96
56) Ethyl methacrylate	10.43	69	90262	20.203	ug/l	99
57) 1,3-Dichloropropane	10.71	76	122194	20.237	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	257913	107.269	ug/l	99
59) 2-Hexanone	10.75	43	247271	107.452	ug/l	98
60) Dibromochloromethane	10.90	129	78852	20.230	ug/l	97
61) 1,2-Dibromoethane	11.00	107	74391	21.381	ug/l	92
64) Tetrachloroethene	10.63	164	75553	20.841	ug/l	96
65) Chlorobenzene	11.43	112	228079	19.997	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	78381	20.464	ug/l	96
67) Ethyl Benzene	11.51	91	386501	20.403	ug/l	98
68) m/p-Xylenes	11.62	106	294258	40.257	ug/l	97
69) o-Xylene	11.95	106	147480	20.805	ug/l	98
70) Styrene	11.96	104	229739	20.473	ug/l	100
71) Bromoform	12.12	173	44374	19.198	ug/l #	97
73) Isopropylbenzene	12.25	105	382020	20.381	ug/l	99
74) N-amyl acetate	12.07	43	111939	20.126	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	84786	20.666	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	64902m	16.636	ug/l	
77) Bromobenzene	12.53	156	86547	19.363	ug/l	93
78) n-propylbenzene	12.59	91	436575	20.381	ug/l	99
79) 2-Chlorotoluene	12.67	91	255200	20.316	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	300353	19.797	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20365	18.692	ug/l	89
82) 4-Chlorotoluene	12.77	91	252637	20.010	ug/l	100
83) tert-Butylbenzene	12.99	119	270272	20.174	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	309872	20.518	ug/l	97
85) sec-Butylbenzene	13.17	105	372437	20.560	ug/l	99
86) p-Isopropyltoluene	13.29	119	311381	20.422	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	157072	19.886	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	156696	19.848	ug/l	99
89) n-Butylbenzene	13.61	91	267172	20.237	ug/l	98
90) Hexachloroethane	13.87	117	51801	20.159	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	148298	20.006	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12299	22.709	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61692	19.094	ug/l	99
94) Hexachlorobutadiene	15.01	225	34851	19.800	ug/l	96
95) Naphthalene	15.13	128	146686	19.323	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	56826	19.952	ug/l	99

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

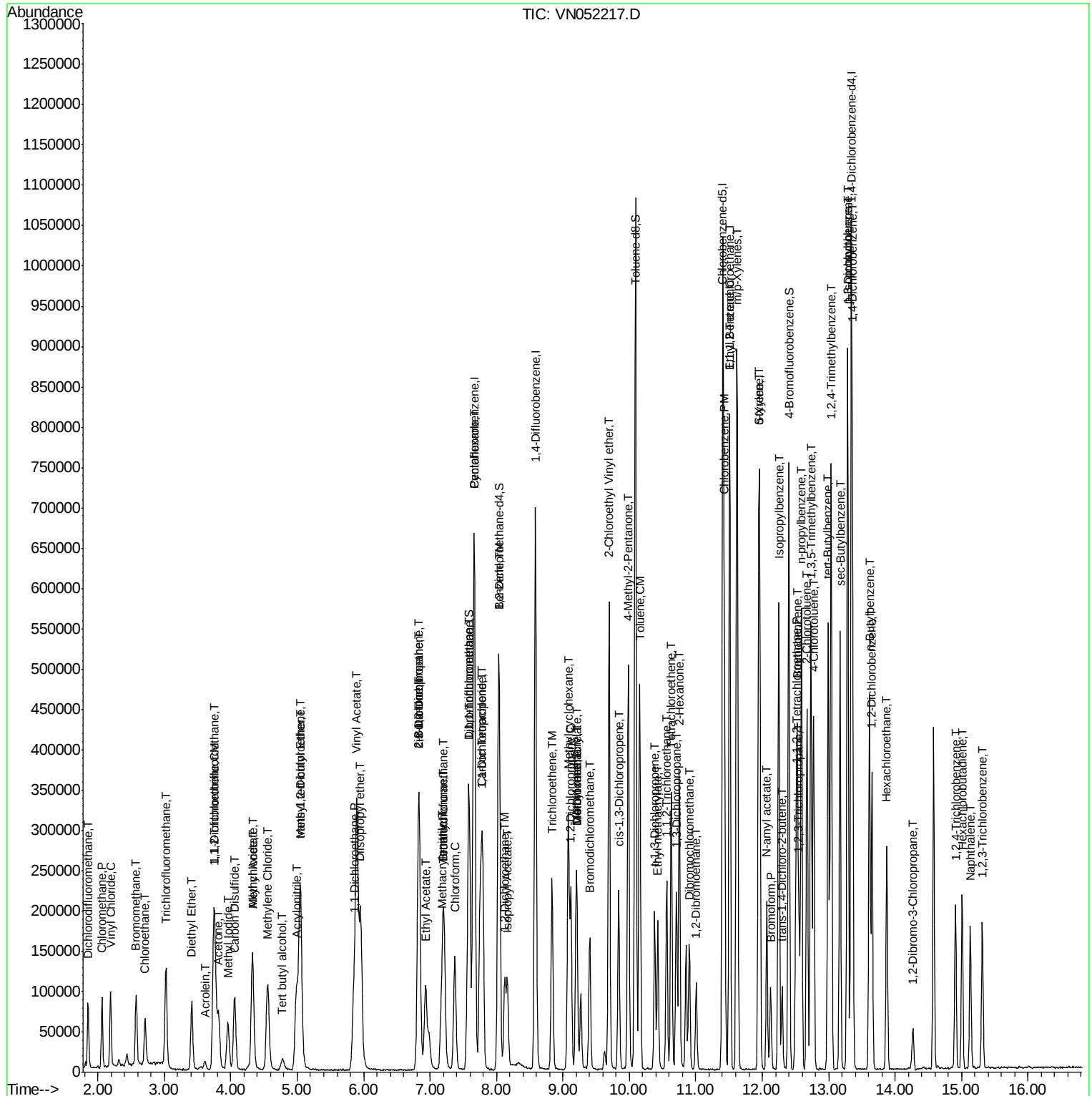
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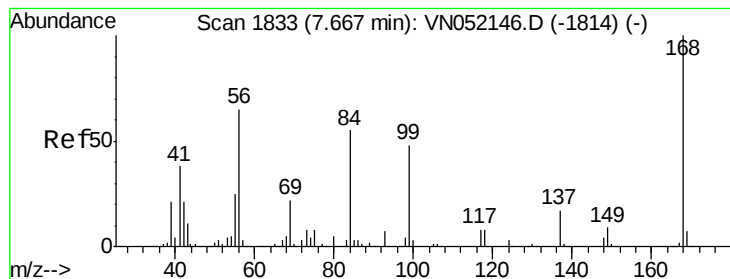
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS01

Tot Ion:168 Resp: 369967

Ion Ratio Lower Upper

168 100

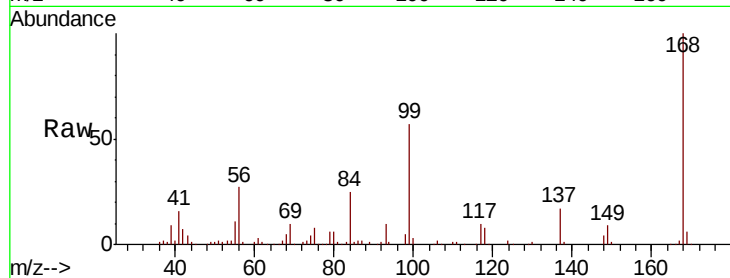
99 56.4 45.4 68.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

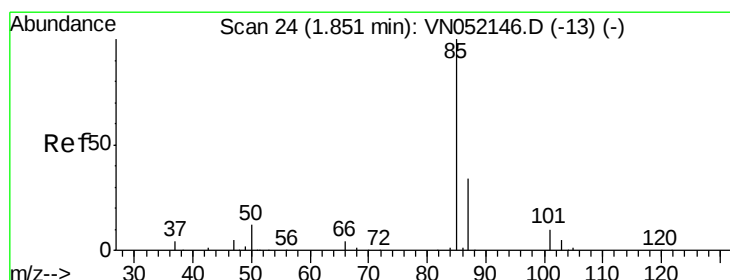
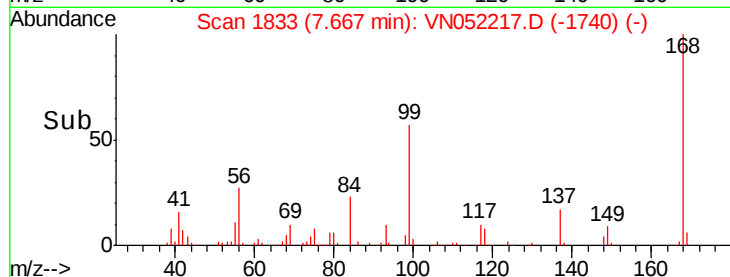
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.516 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052217.D

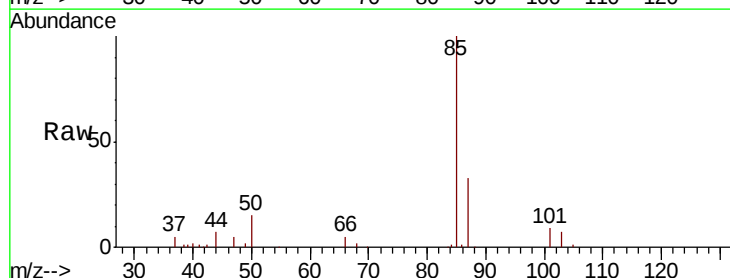
Acq: 8 Nov 2018 12:08

Tgt Ion: 85 Resp: 62960

Ion Ratio Lower Upper

85 100

87 33.0 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

50000

40000

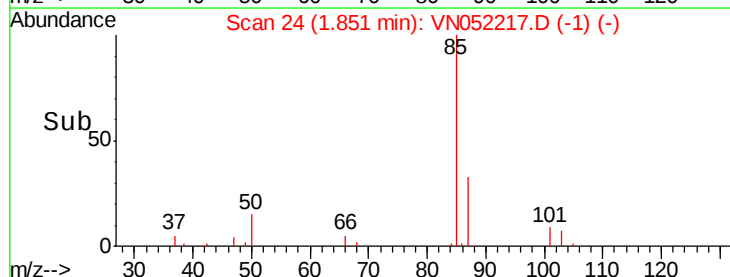
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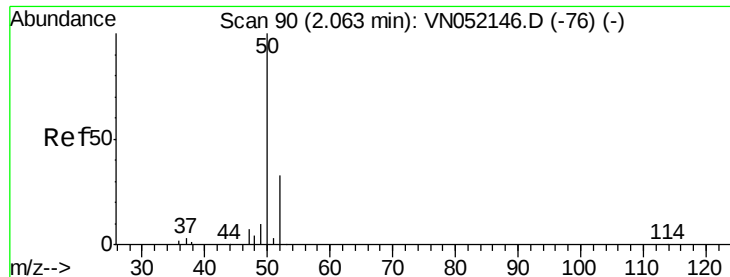
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.789 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS01

Tot Ion: 50 Resp: 81813

Ion Ratio Lower Upper

50 100

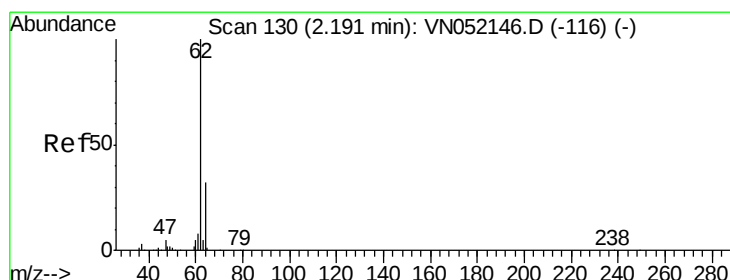
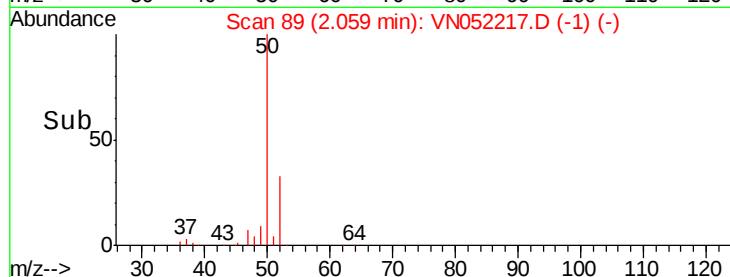
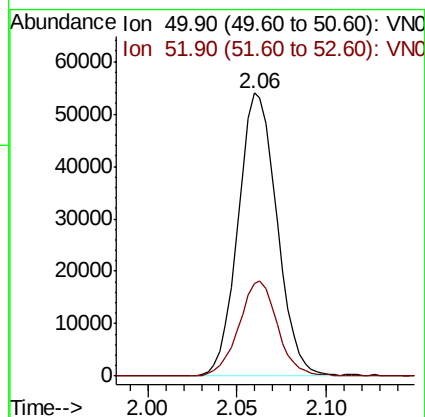
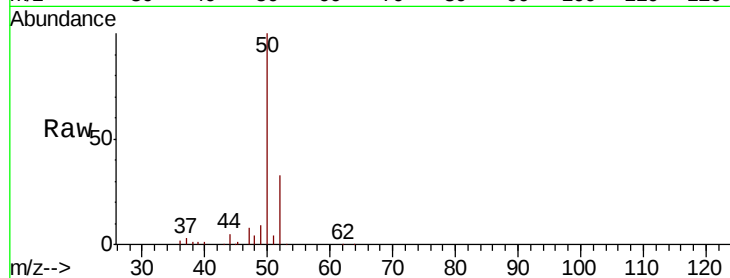
52 32.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.122 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052217.D

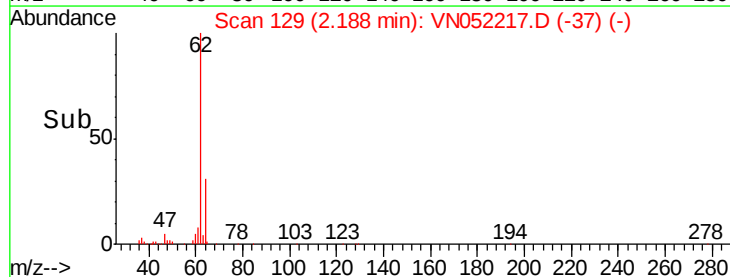
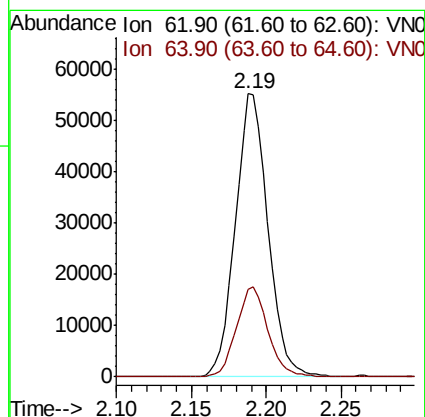
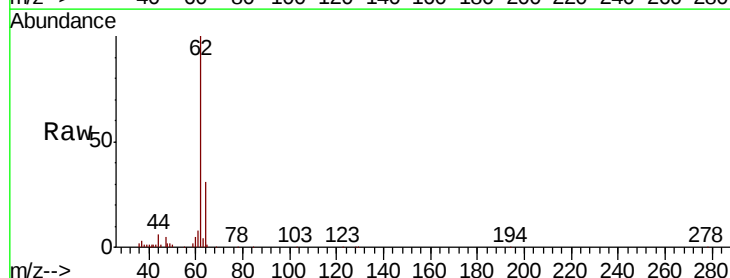
Acq: 8 Nov 2018 12:08

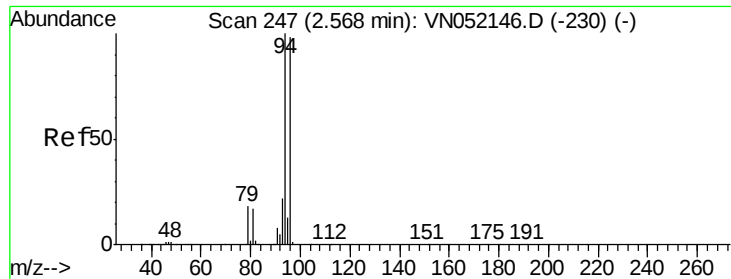
Tgt Ion: 62 Resp: 83921

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.6





#5

Bromomethane

Concen: 18.543 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 57816

Ion Ratio Lower Upper

94 100

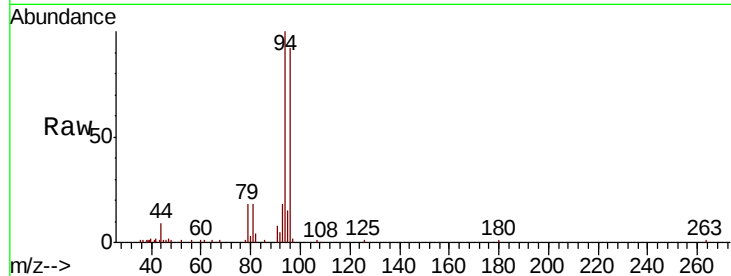
96 91.6 78.3 117.5

Manual Integrations

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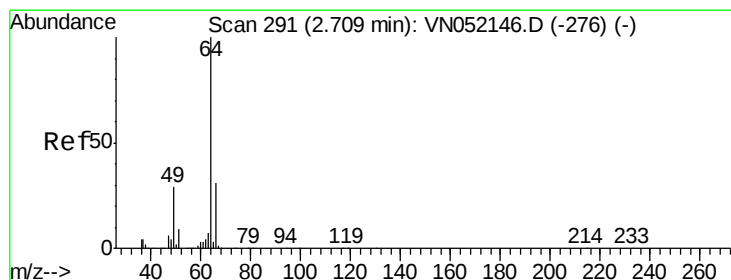
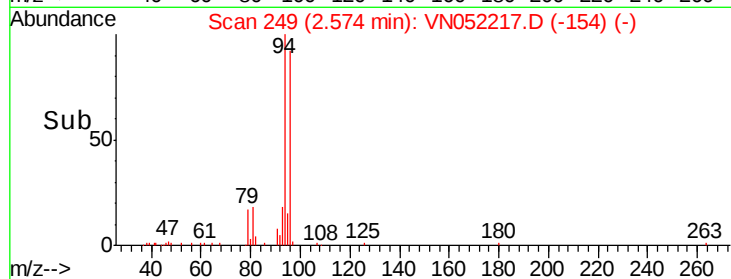
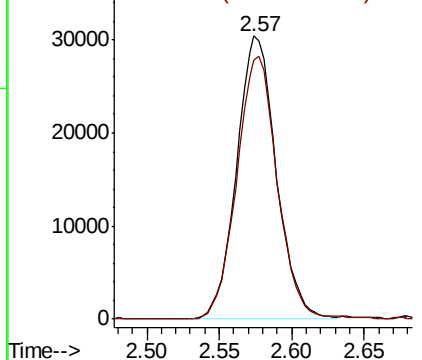
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 19.609 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052217.D

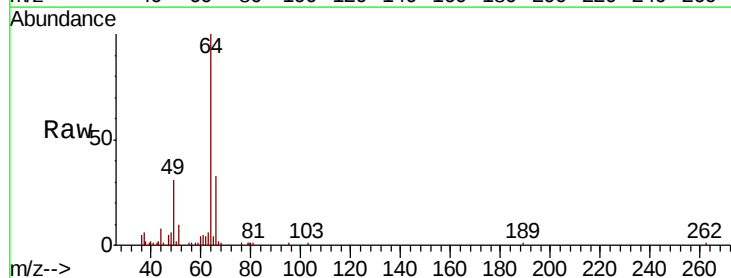
Acq: 8 Nov 2018 12:08

Tgt Ion: 64 Resp: 52290

Ion Ratio Lower Upper

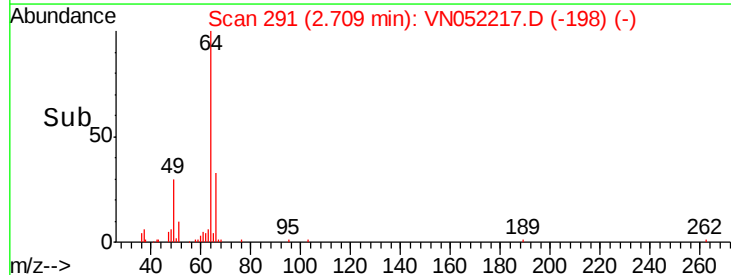
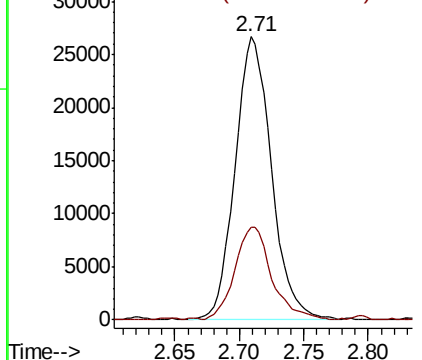
64 100

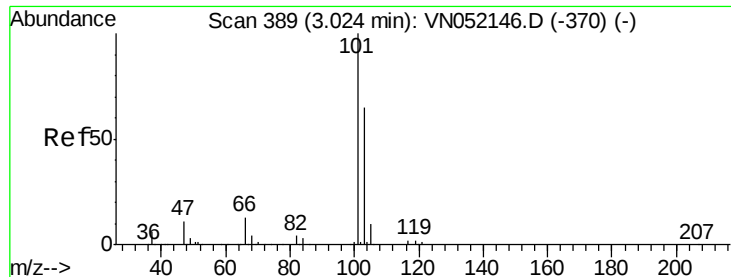
66 32.5 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

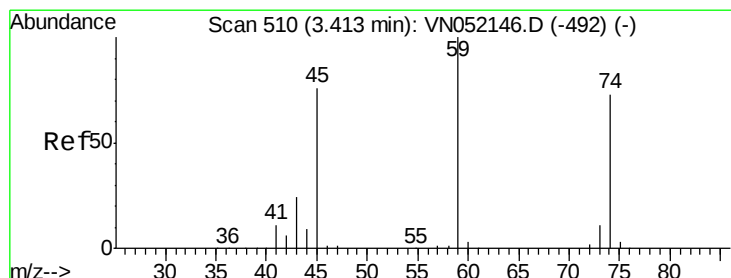
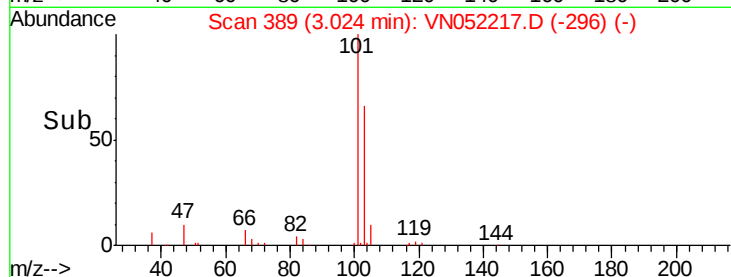
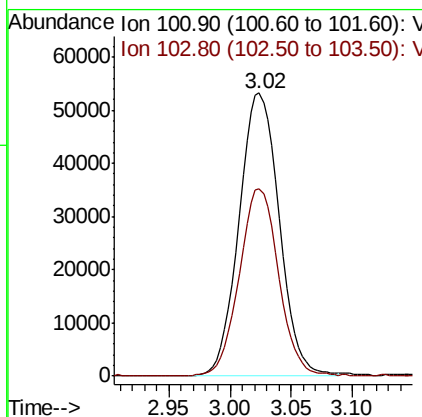
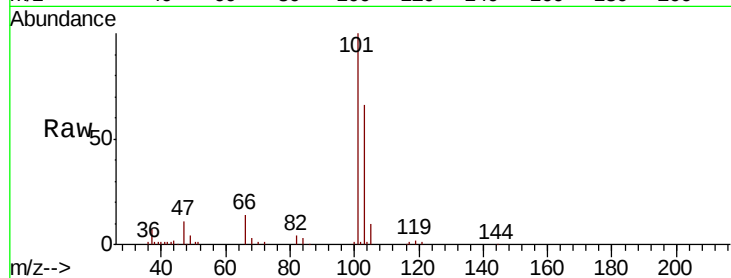
Trichlorofluoromethane
Concen: 20.062 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
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ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.2	78.4

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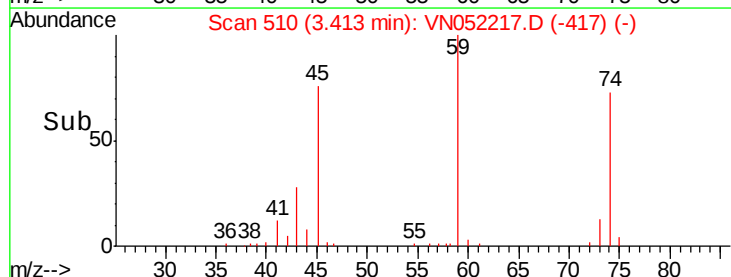
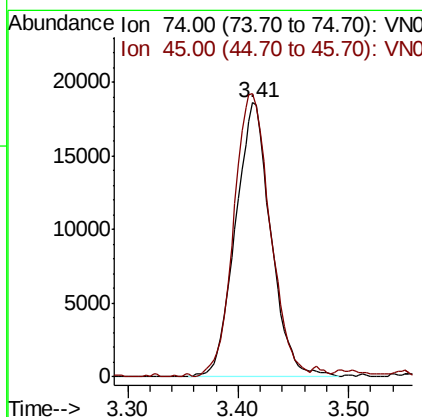
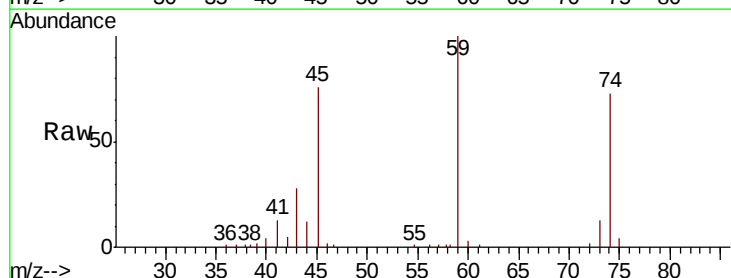
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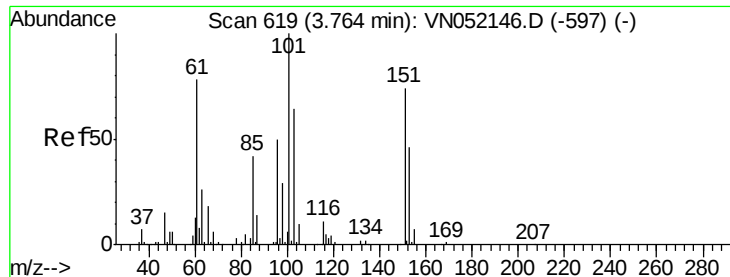


#8

Diethyl Ether
Concen: 19.558 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.3	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.182 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

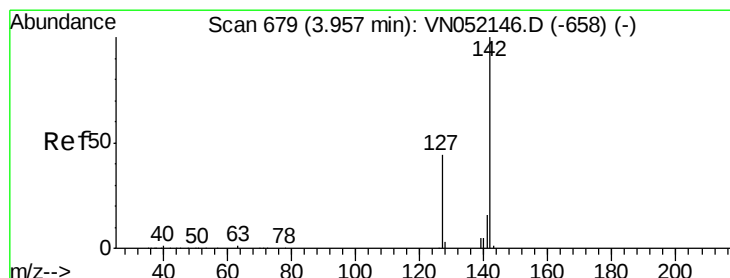
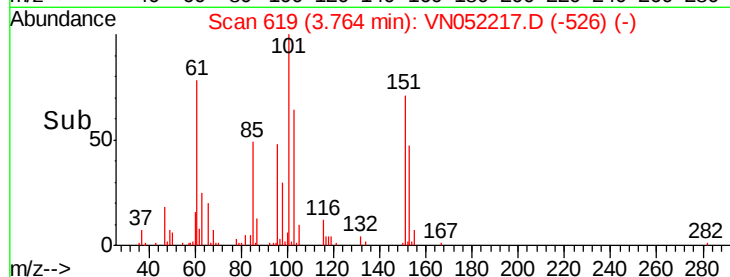
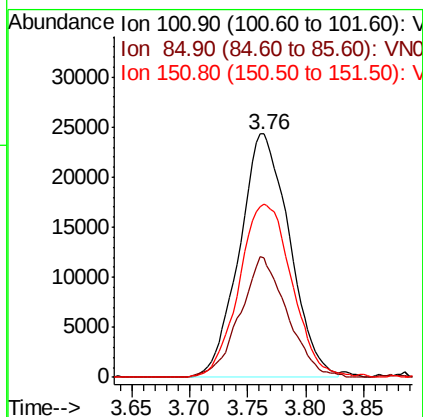
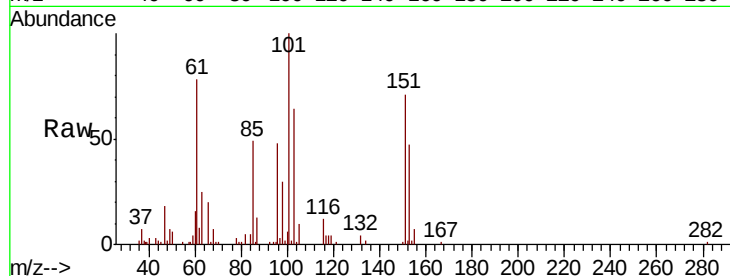
ClientSampleId :

VN1108WBS01

Tot Ion:	101	Resp:	73063
Ion Ratio	Lower	Upper	
101	100		
85	46.8	36.1	54.1
151	74.9	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.749 ug/l

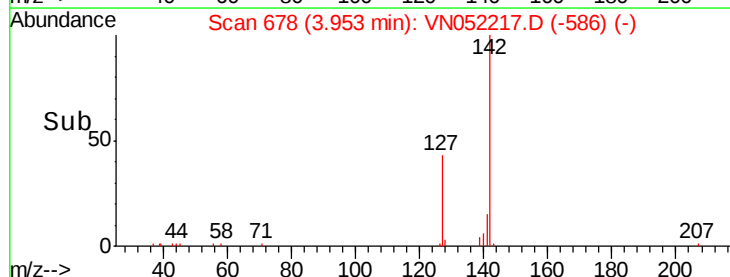
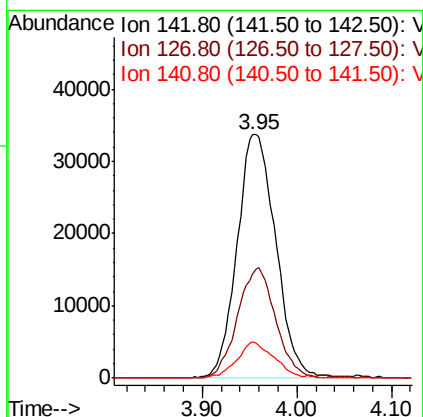
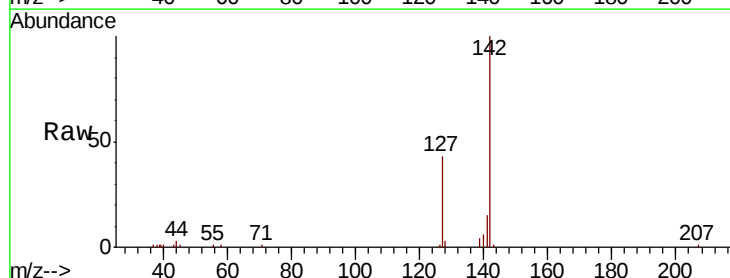
RT: 3.95 min Scan# 678

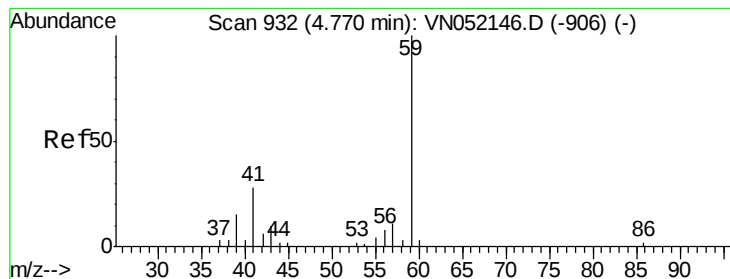
Delta R.T. -0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Tgt Ion:	142	Resp:	95830
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.0	54.0
141	14.4	11.8	17.6





#11

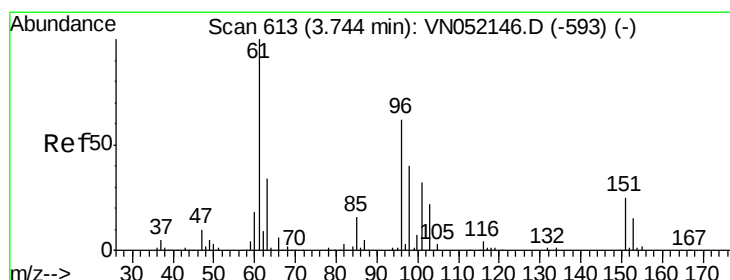
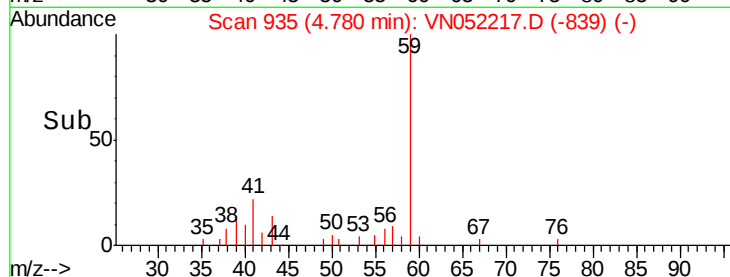
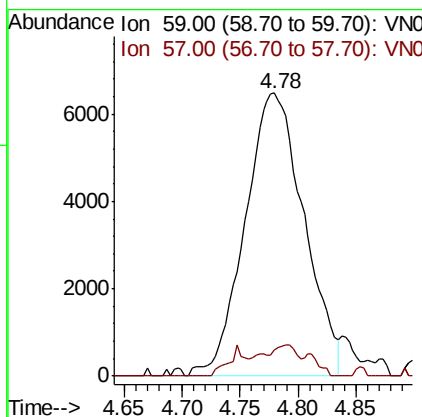
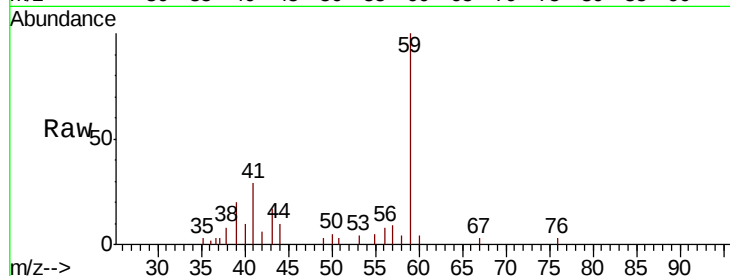
Tert butyl alcohol
Concen: 119.993 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.7	8.5#

Manual Integrations
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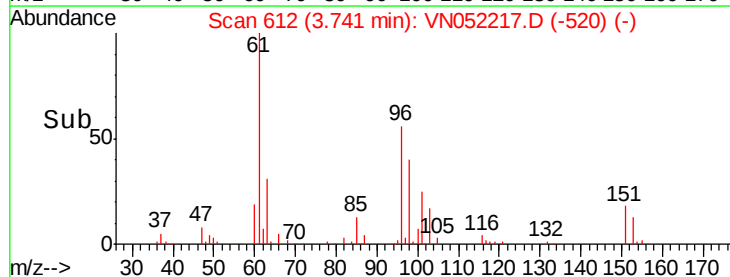
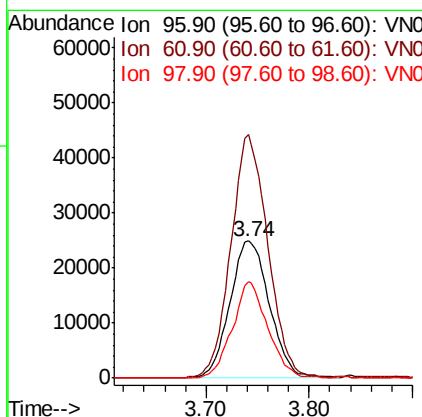
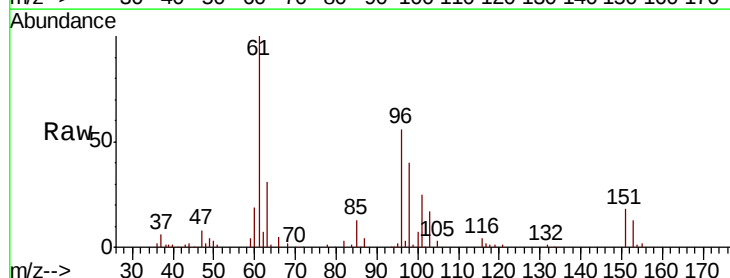
MMDadoda
11/9/2018 11:49:04 AM

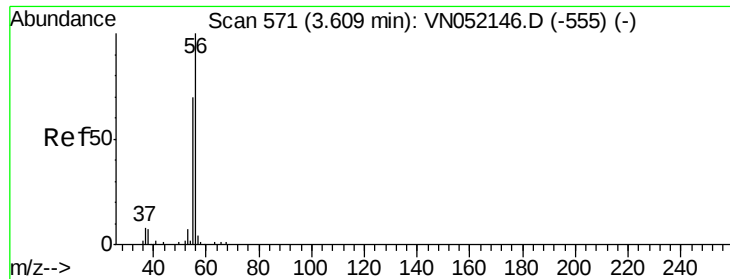


#12

1,1-Dichloroethene
Concen: 19.530 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.7	128.4	192.6
98	70.3	50.9	76.3





#13

Acrolein

Concen: 88.212 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS01

Tot Ion: 56 Resp: 12366

Ion Ratio Lower Upper

56 100

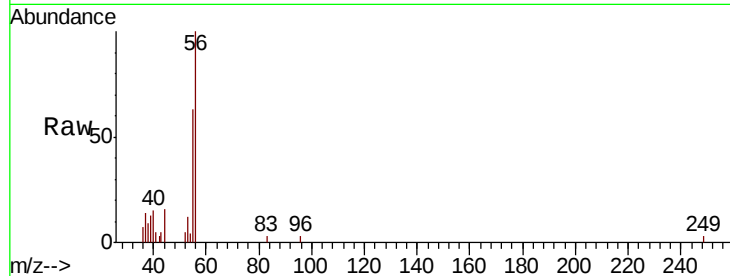
55 71.4 56.6 84.8

Manual Integrations

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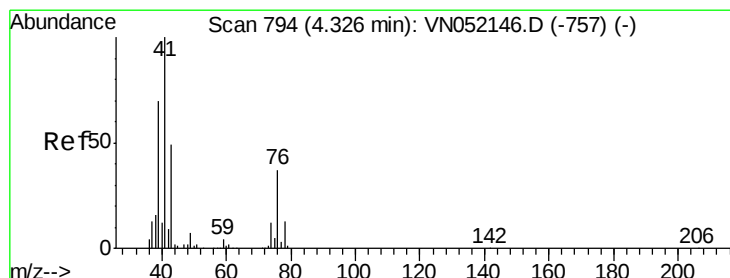
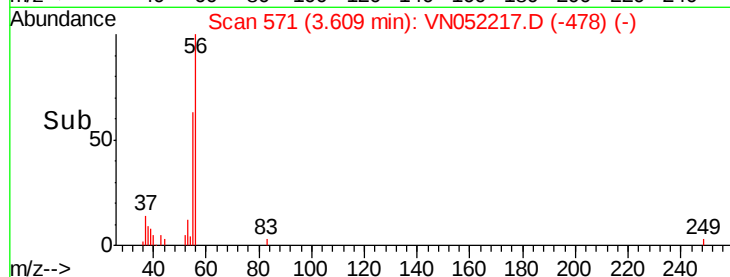
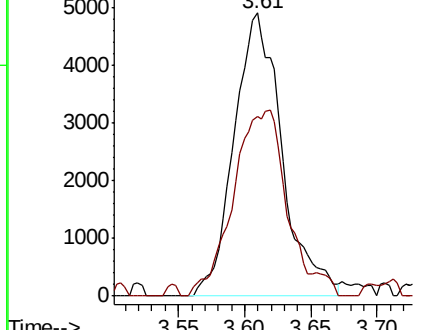
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN052217.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN052217.D (-478) (-)



#14

Allyl chloride

Concen: 18.885 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

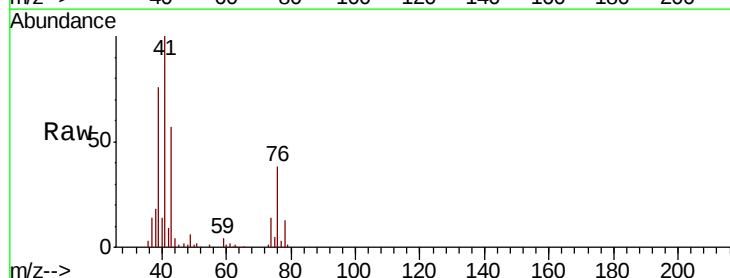
Tgt Ion: 41 Resp: 107423

Ion Ratio Lower Upper

41 100

39 74.3 55.3 82.9

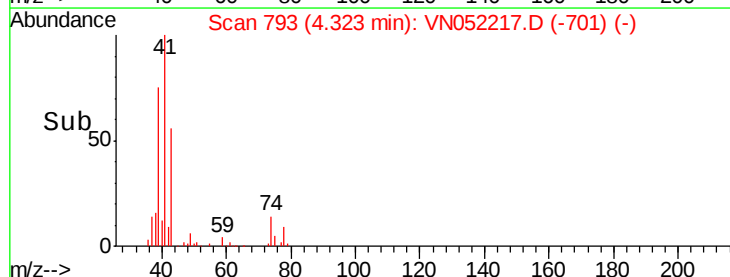
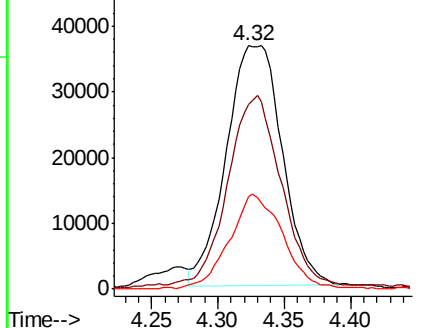
76 36.3 27.8 41.8

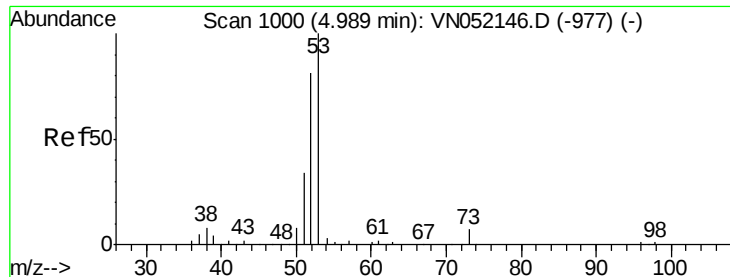


Abundance Ion 41.00 (40.70 to 41.70): VN052217.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN052217.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN052217.D (-701) (-)





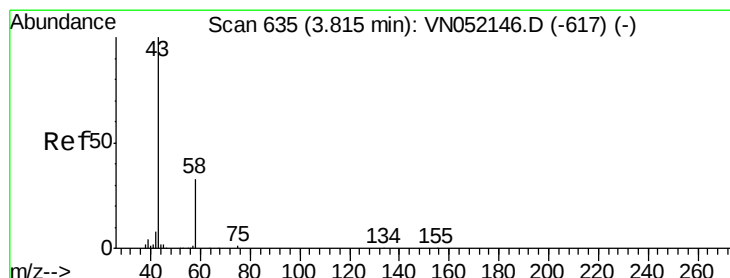
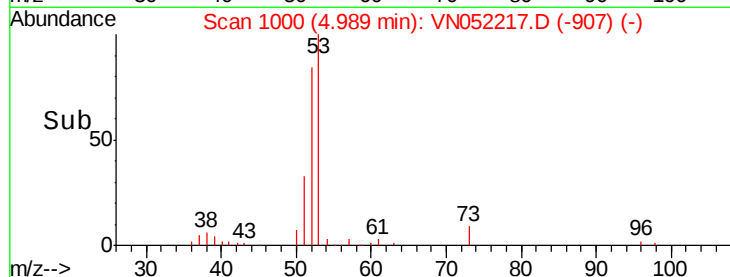
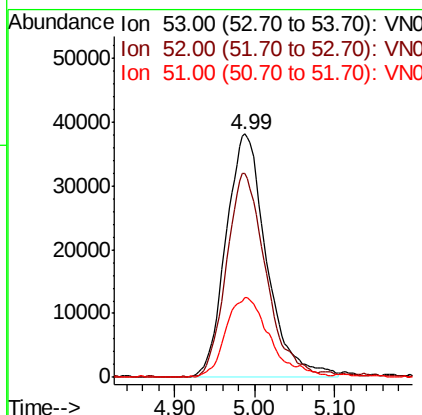
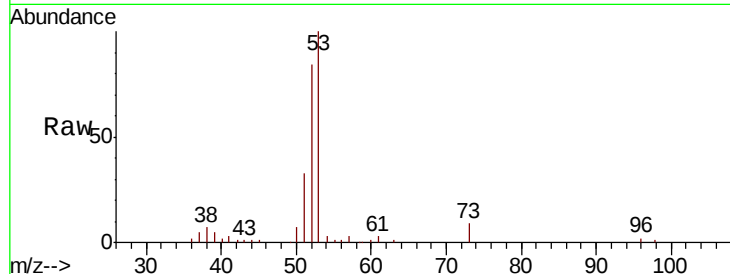
#15
 Acrylonitrile
 Concen: 105.555 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion	53	Resp	131787
Ion Ratio	100	Lower	Upper
53	100		
52	81.3	66.5	99.7
51	35.8	29.2	43.8

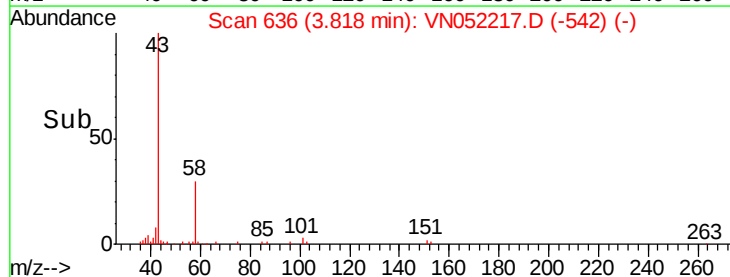
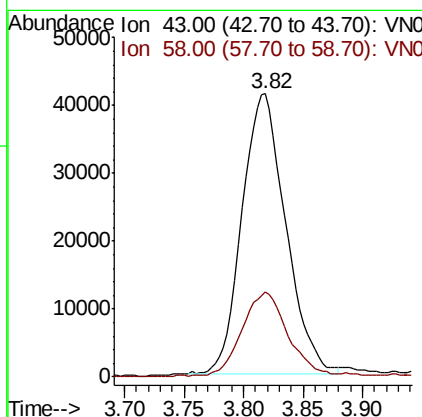
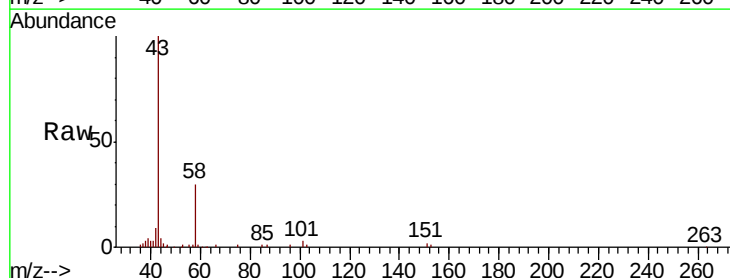
Manual Integrations
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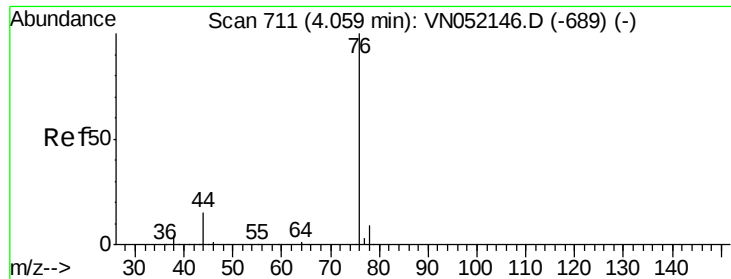
MMDadoda
 11/9/2018 11:49:04 AM



#16
 Acetone
 Concen: 106.503 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion	43	Resp	105857
Ion Ratio	100	Lower	Upper
43	100		
58	29.7	26.2	39.2





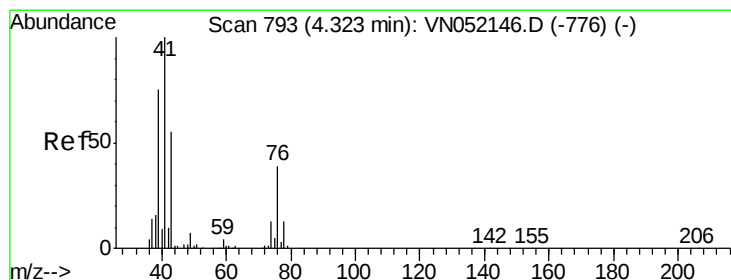
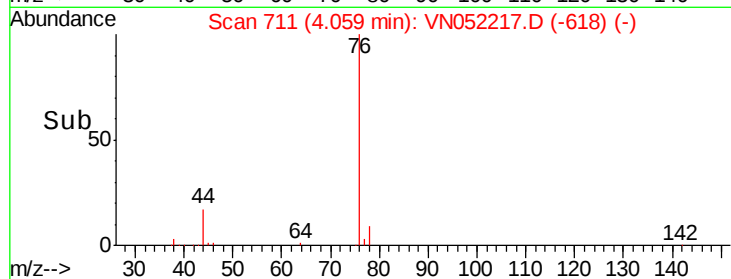
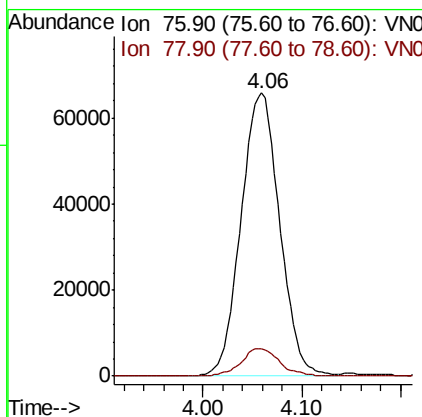
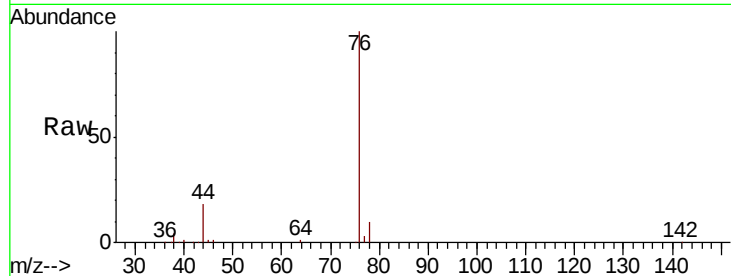
#17
Carbon Disulfide
Concen: 18.359 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.0	10.6

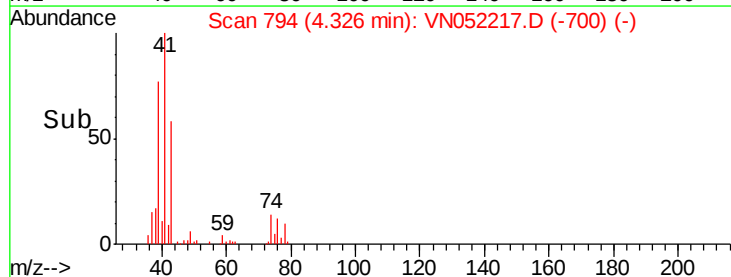
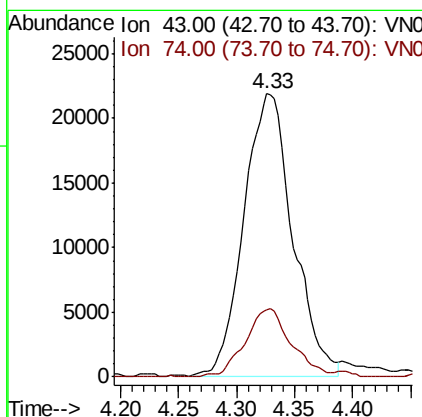
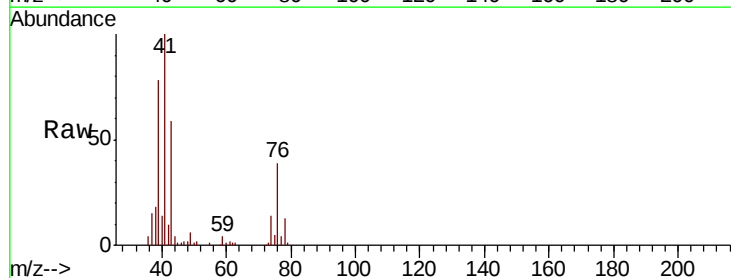
Manual Integrations
APPROVED

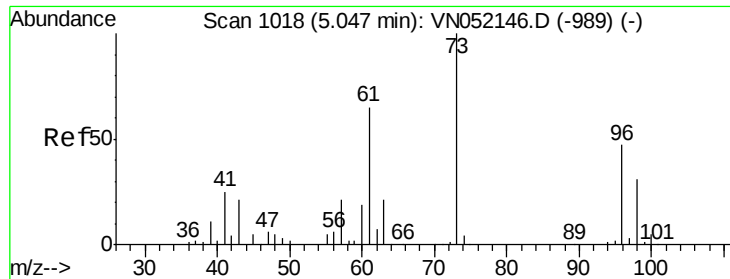
MMDadoda
11/9/2018 11:49:04 AM



#18
Methyl Acetate
Concen: 20.491 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.3	28.9





#19

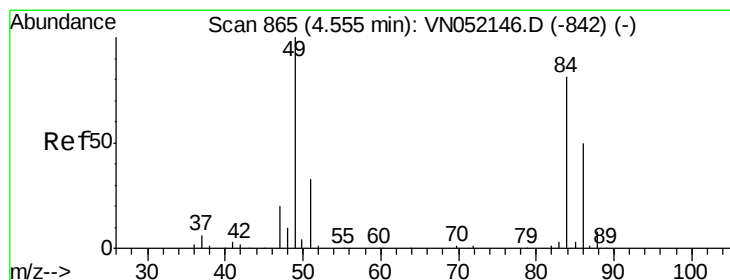
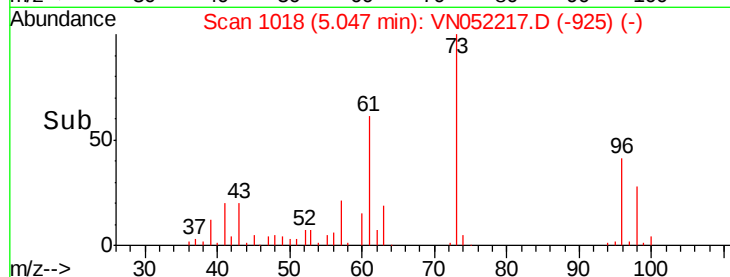
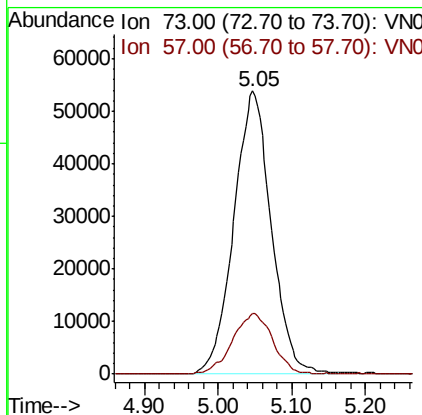
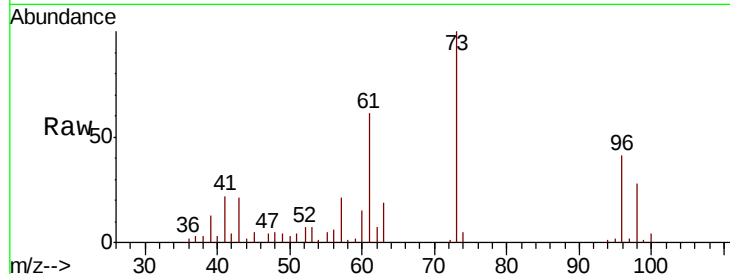
Methyl tert-butyl Ether
 Concen: 20.315 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.8	25.2

Manual Integrations
 APPROVED

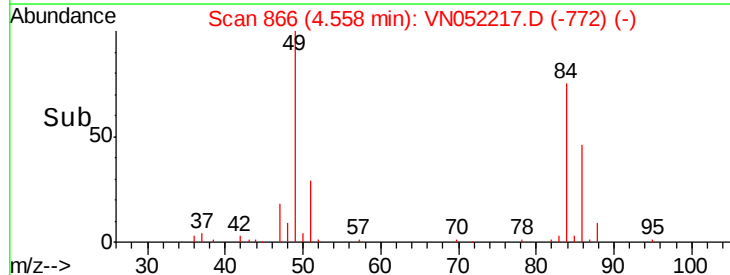
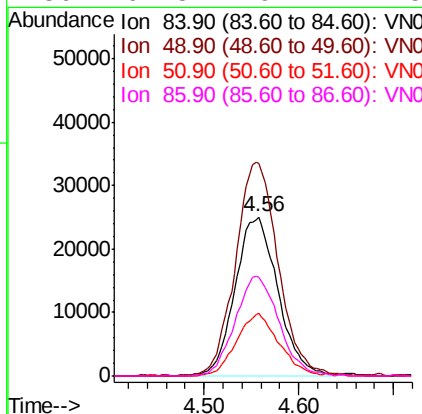
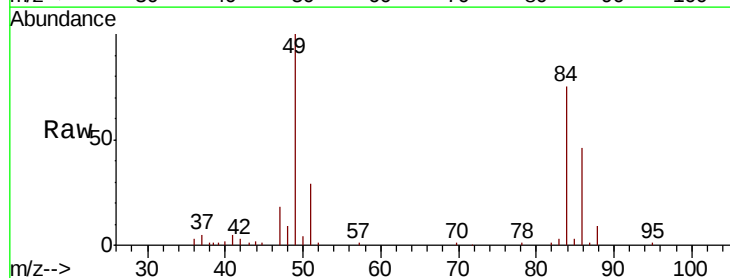
MMDadoda
 11/9/2018 11:49:04 AM

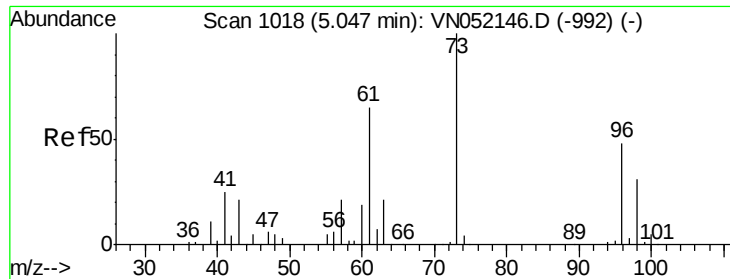


#20

Methylene Chloride
 Concen: 19.075 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.8	98.4	147.6
51	39.0	32.5	48.7
86	61.8	49.7	74.5





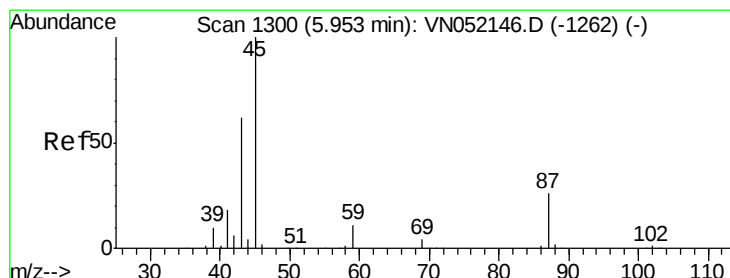
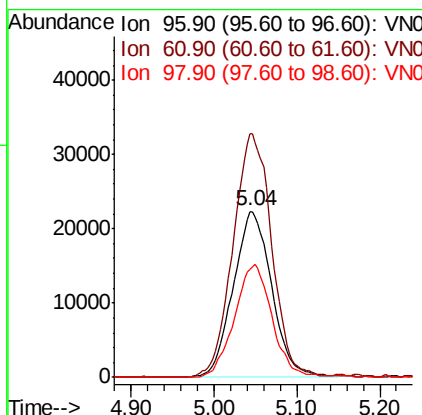
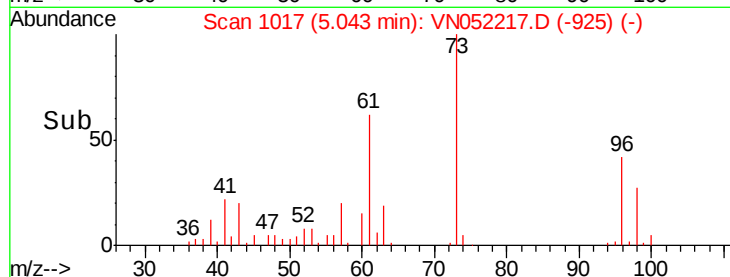
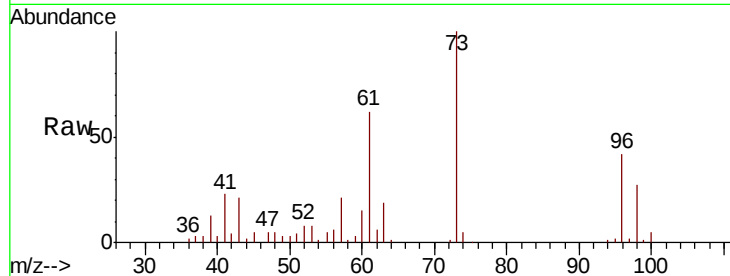
#21
trans-1,2-Dichloroethene
Concen: 19.093 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	109.6	164.4
98	64.7	52.0	78.0

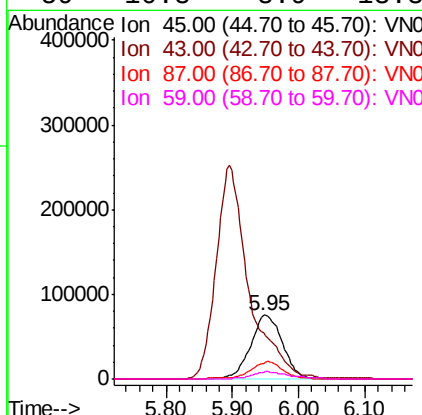
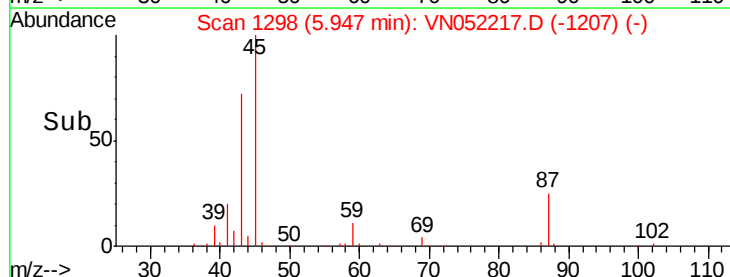
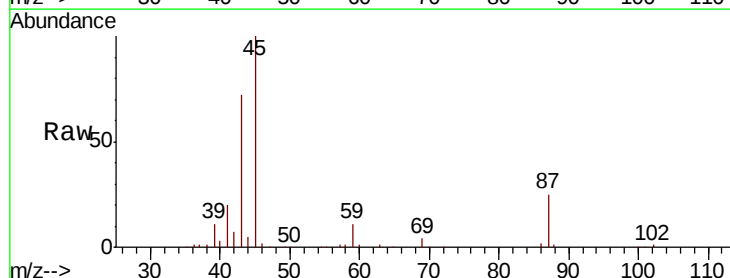
Manual Integrations
APPROVED

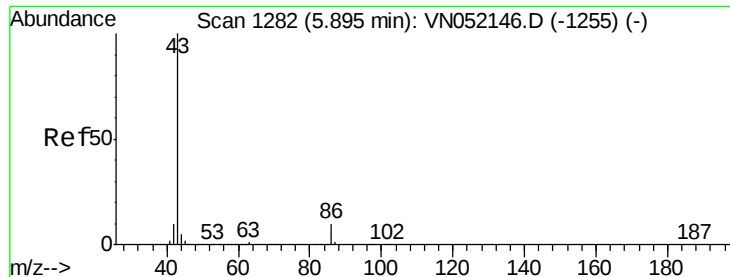
MMDadoda
11/9/2018 11:49:04 AM



#22
Diisopropyl ether
Concen: 20.444 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.5	49.8	74.6
87	24.5	21.1	31.7
59	10.8	8.9	13.3





#23

Vinyl Acetate

Concen: 104.668 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS01

Tot Ion: 43 Resp: 863337

Ion Ratio Lower Upper

43 100

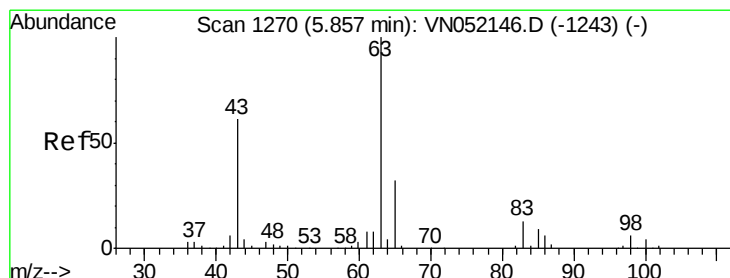
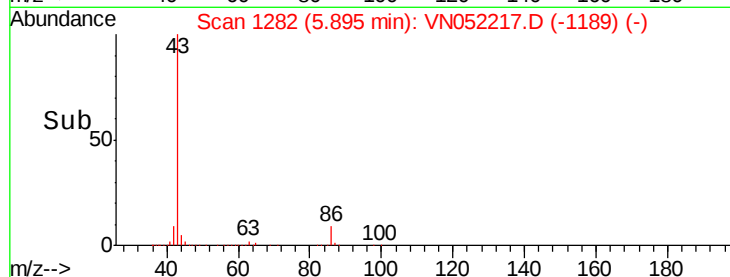
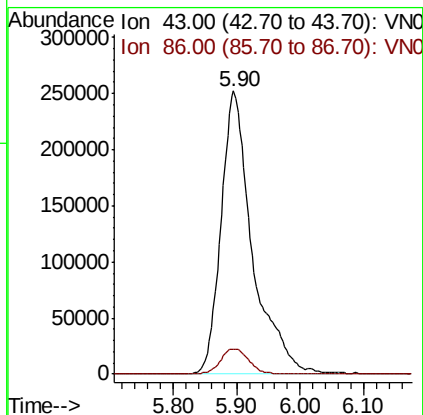
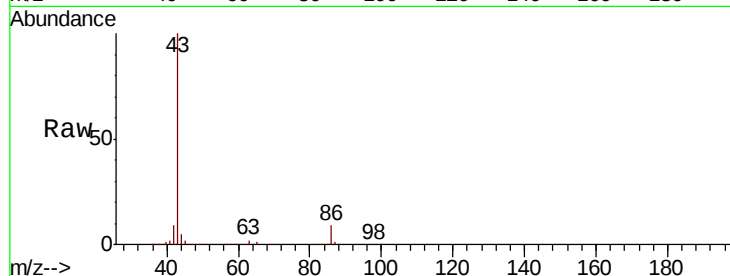
86 8.7 7.9 11.9

Manual Integrations

APPROVED

MMDadoda

11/9/2018 11:49:04 AM



#24

1,1-Dichloroethane

Concen: 20.248 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

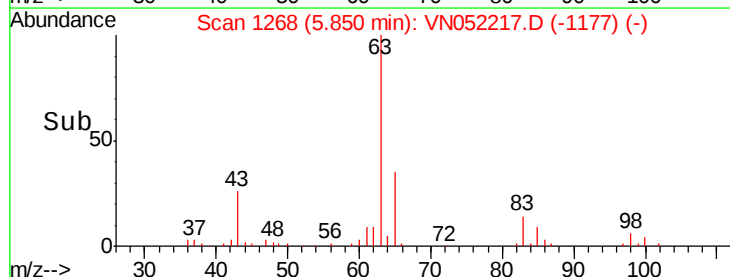
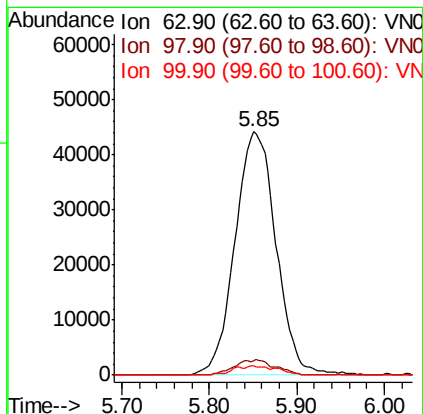
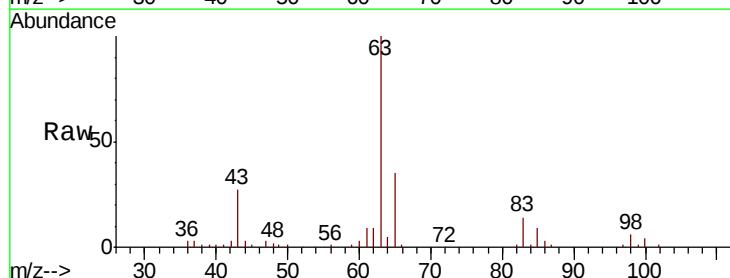
Tgt Ion: 63 Resp: 143551

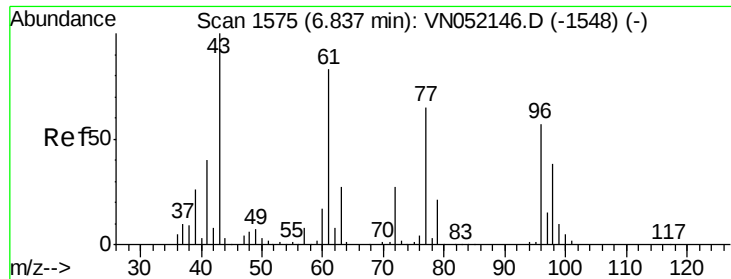
Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

100 3.7 2.1 6.2





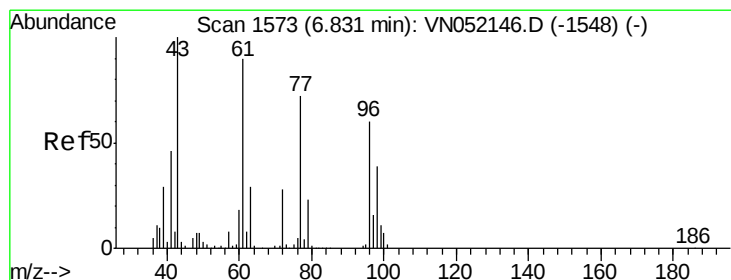
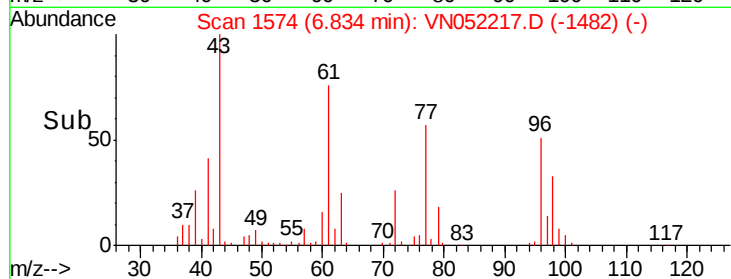
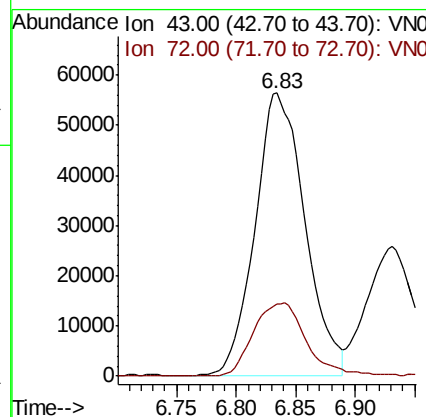
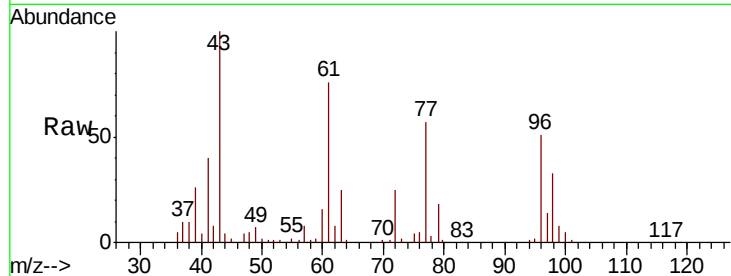
#25
2-Butanone
Concen: 106.743 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion: 43 Resp: 164515
Ion Ratio Lower Upper
43 100
72 25.4 21.4 32.2

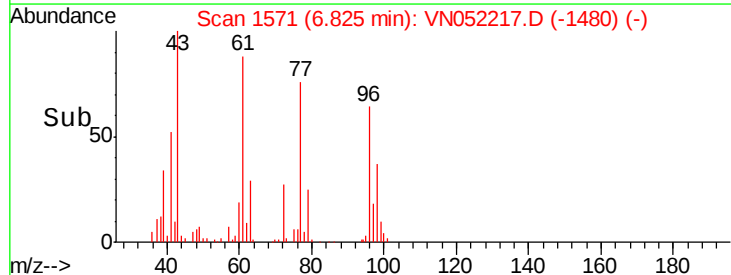
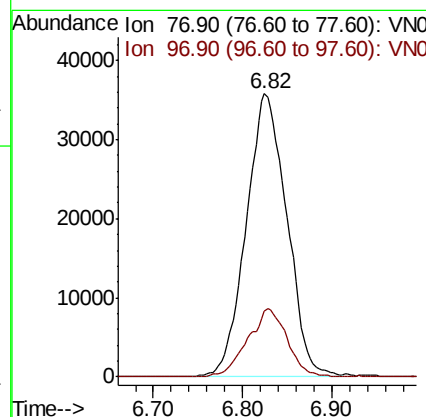
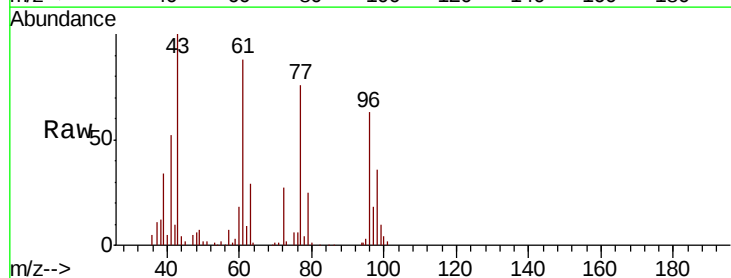
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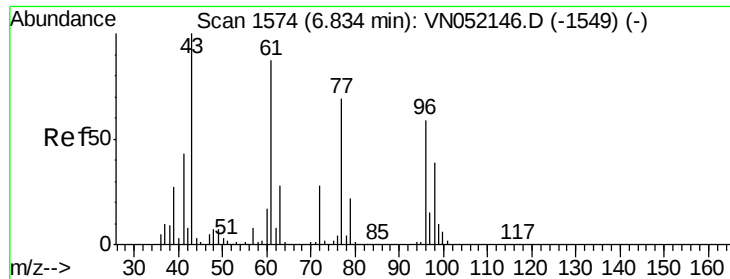
MMDadoda
11/9/2018 11:49:04 AM



#26
2,2-Dichloropropane
Concen: 20.395 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion: 77 Resp: 113160
Ion Ratio Lower Upper
77 100
97 23.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 20.335 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

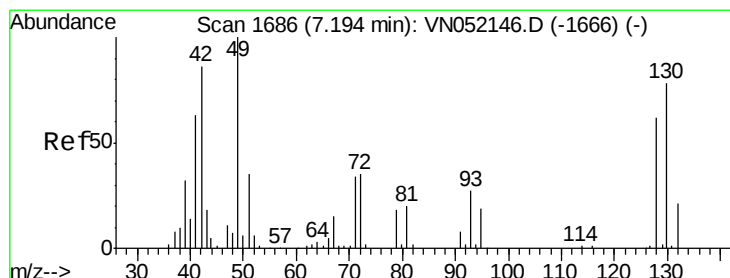
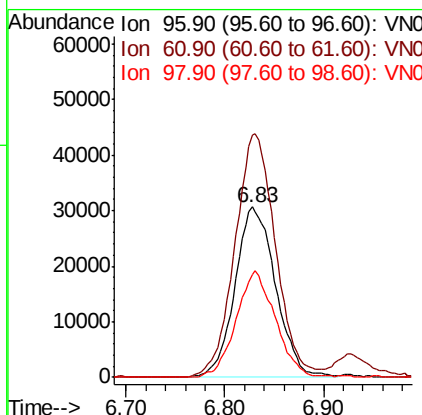
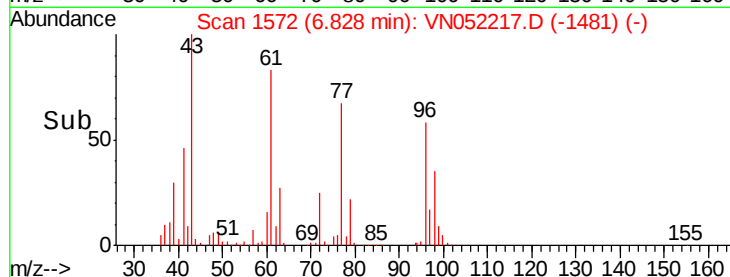
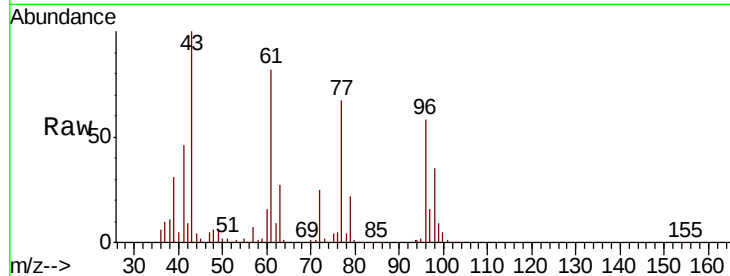
ClientSampleId :

VN1108WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	291.8
98	60.7	0.0	130.0

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#28

Bromochloromethane

Concen: 19.461 ug/l

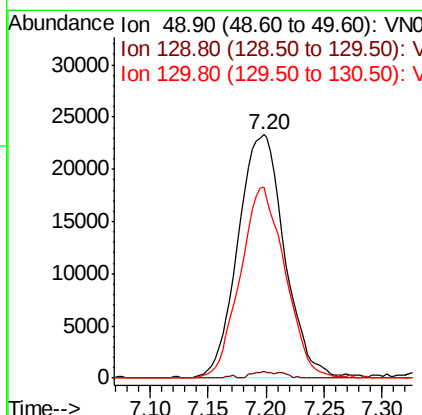
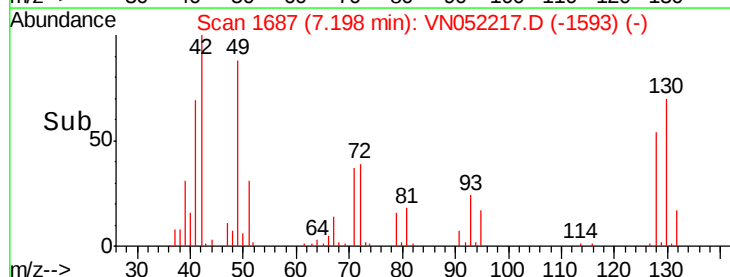
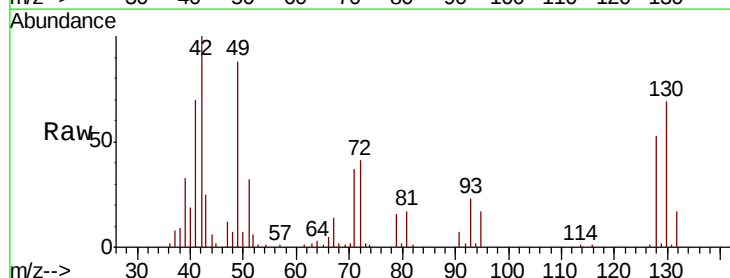
RT: 7.20 min Scan# 1687

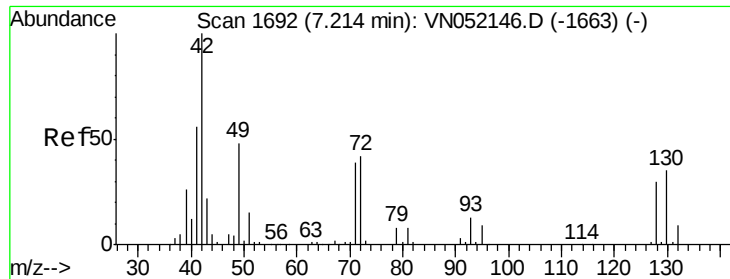
Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.4
130	75.4	59.8	89.6





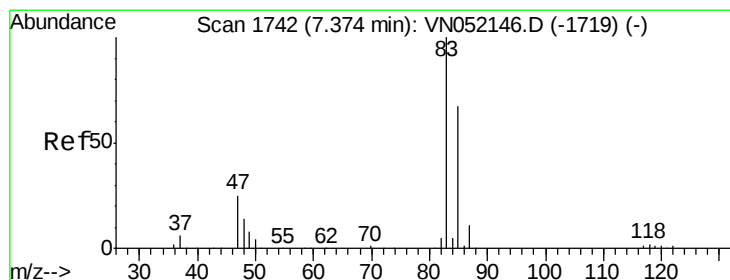
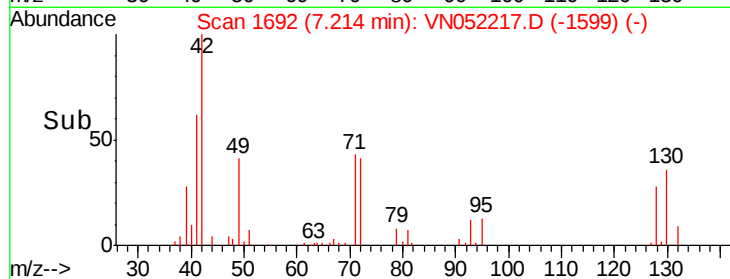
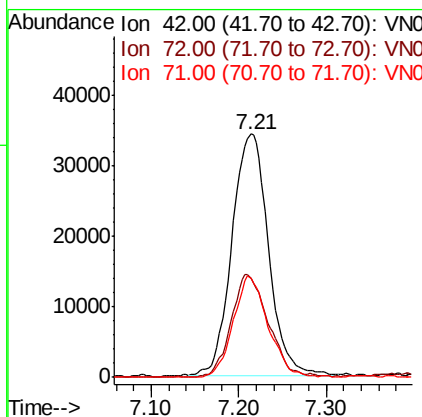
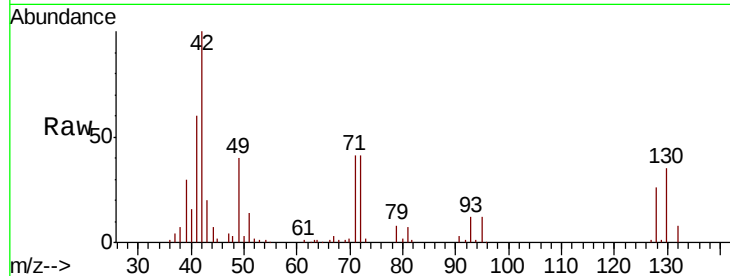
#29
Tetrahydrofuran
Concen: 103.632 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	32.3	48.5
71	40.2	31.0	46.6

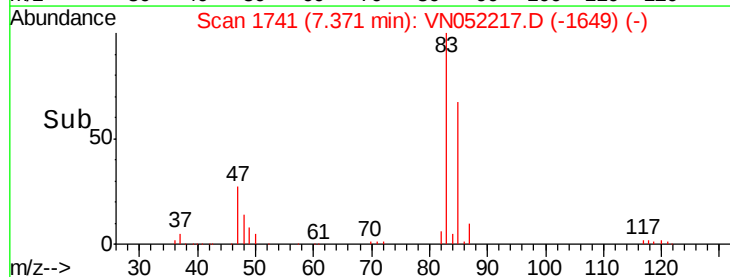
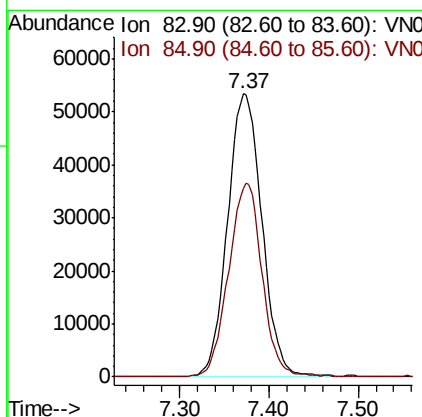
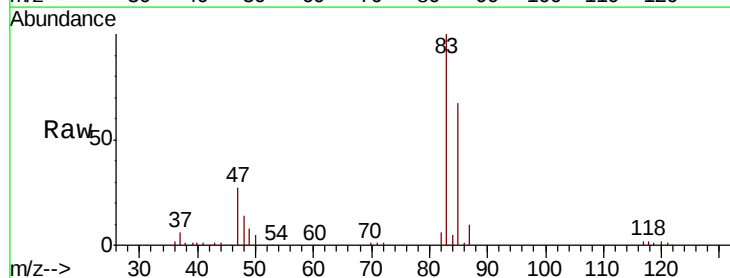
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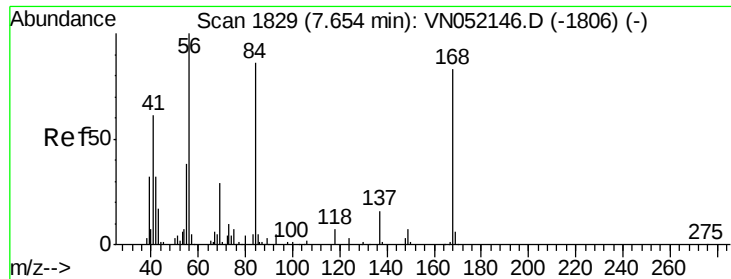
MMDadoda
11/9/2018 11:49:04 AM



#30
Chloroform
Concen: 20.159 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.7	80.5





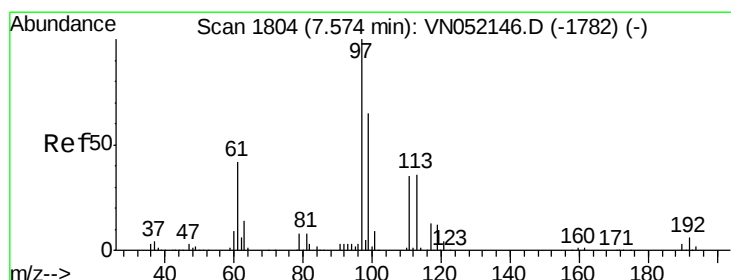
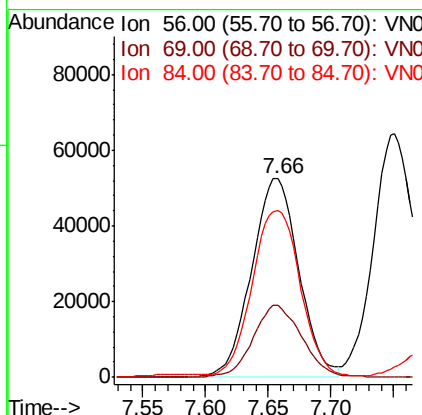
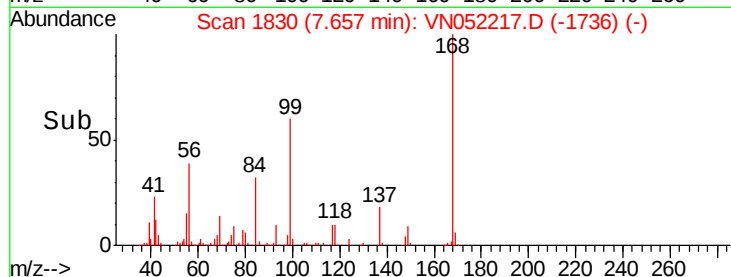
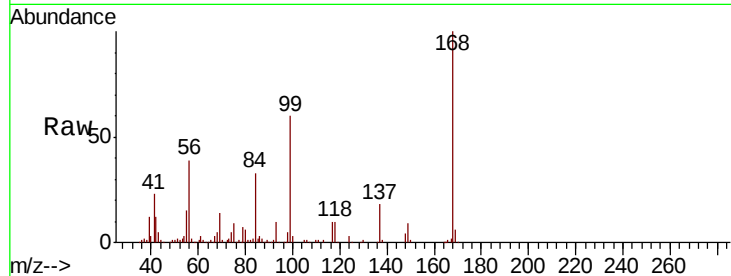
#31
Cyclohexane
Concen: 19.783 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	23.5	35.3#
84	82.6	68.7	103.1

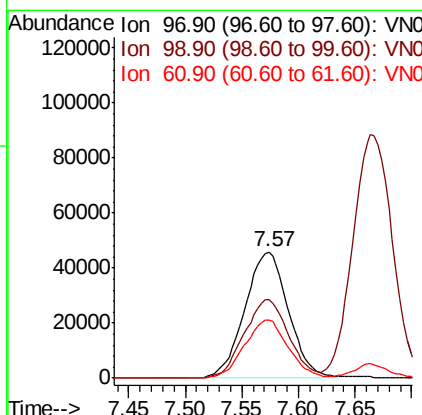
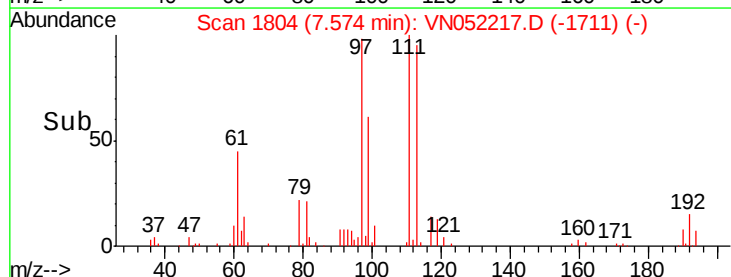
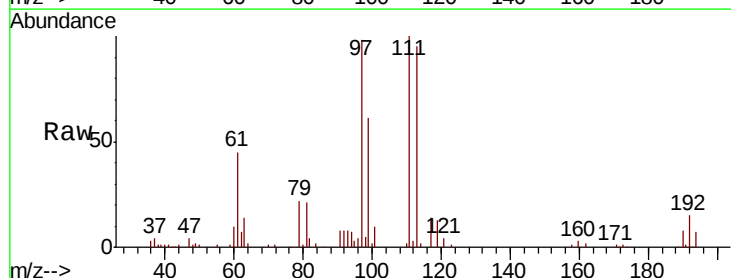
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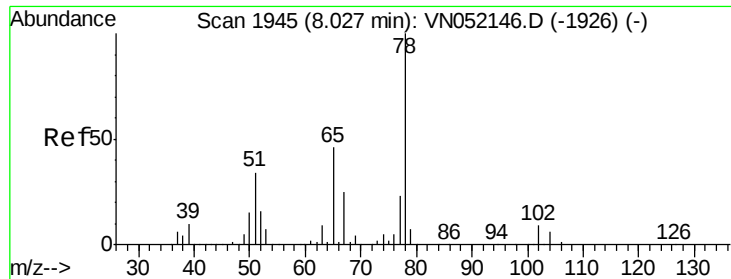
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#32
1,1,1-Trichloroethane
Concen: 19.730 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.6	77.4
61	46.2	35.1	52.7





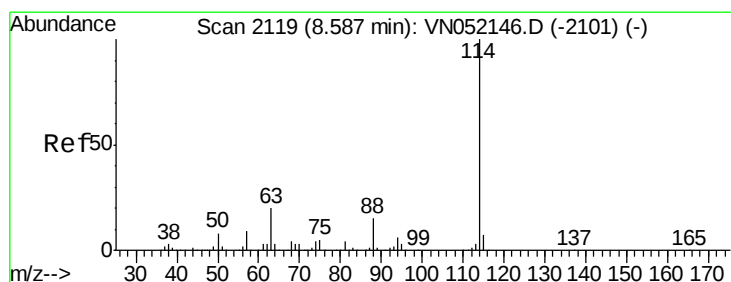
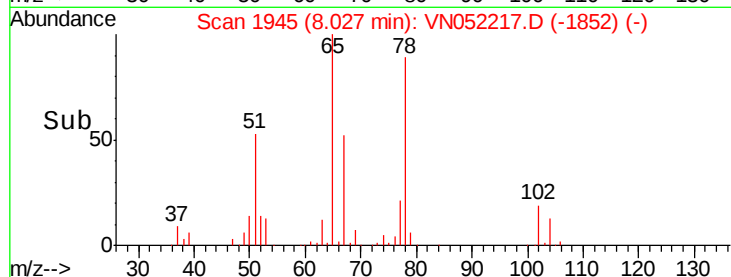
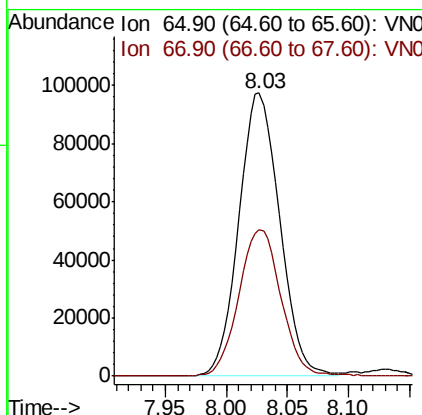
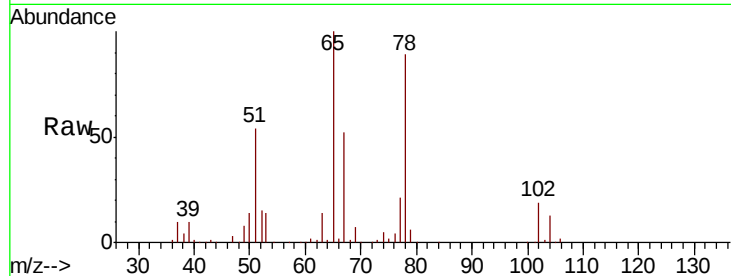
#33
 1,2-Dichloroethane-d4
 Concen: 19.730 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	225838		
67	53.5	0.0	107.6	

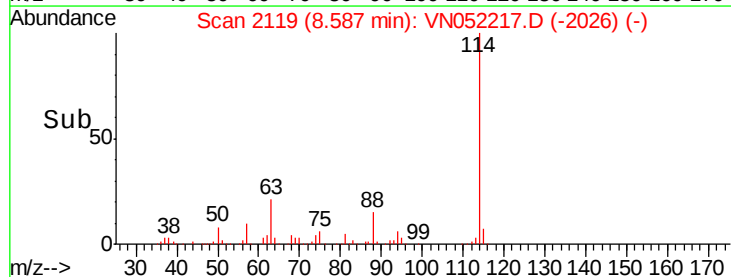
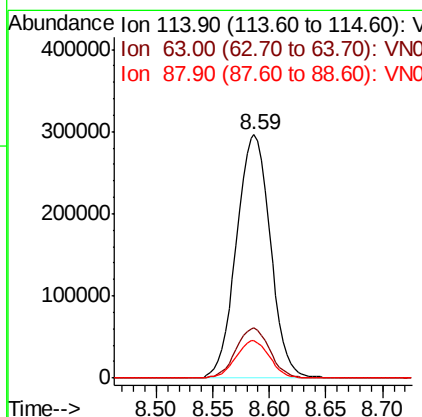
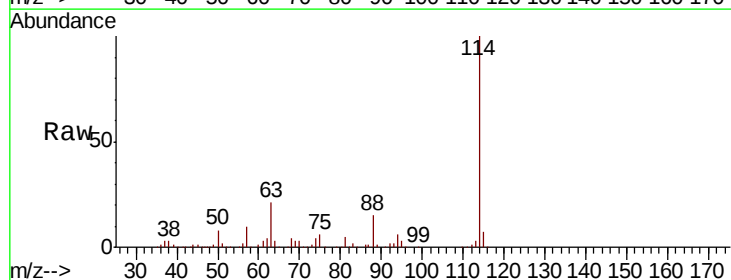
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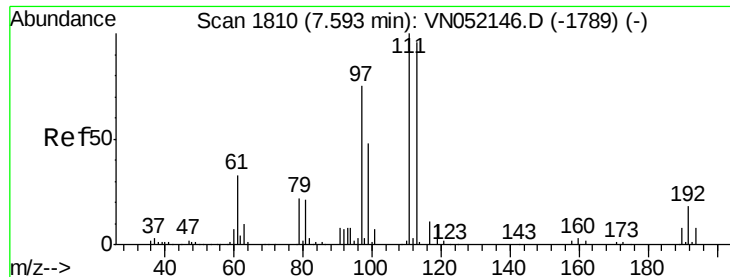
MMDadoda
 11/9/2018 11:49:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	619923		
63	20.5	0.0	40.0	
88	15.4	0.0	31.0	





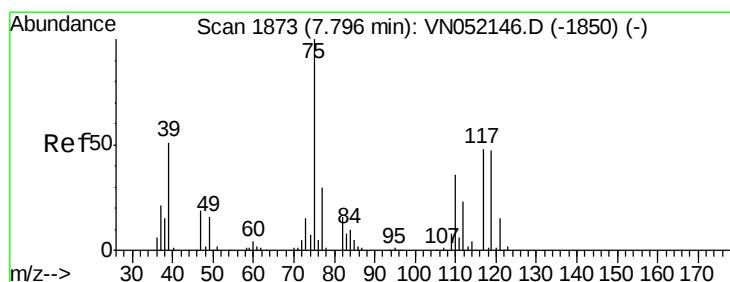
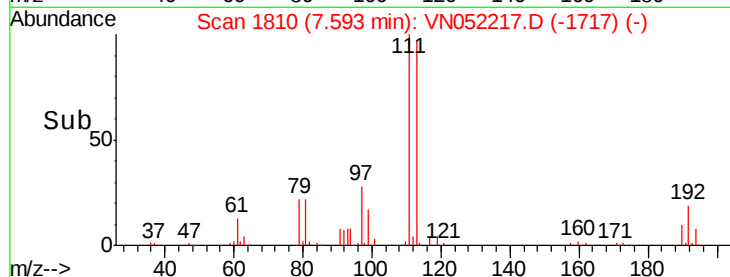
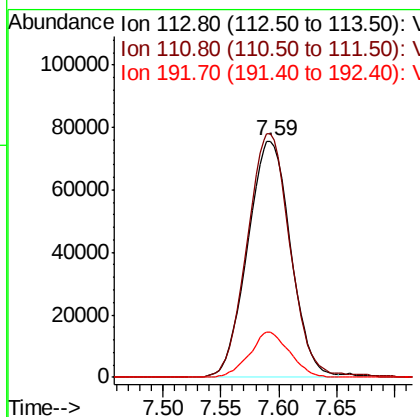
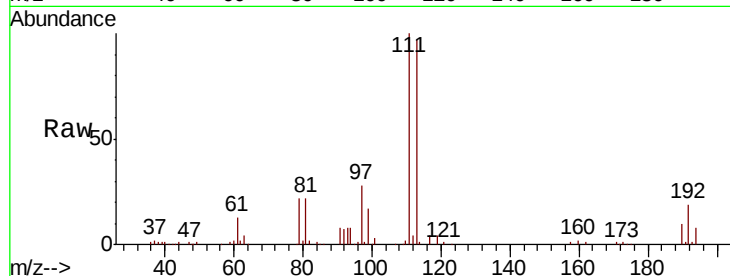
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195381		
111	103.1	81.7	122.5	
192	17.9	14.2	21.4	

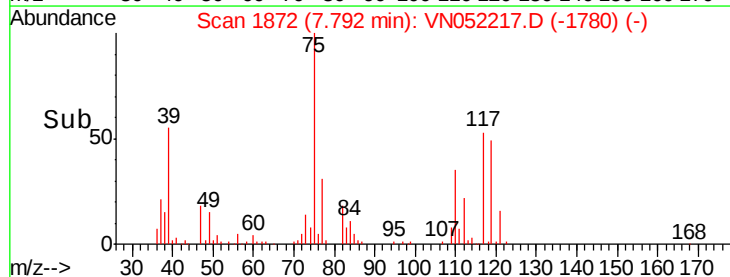
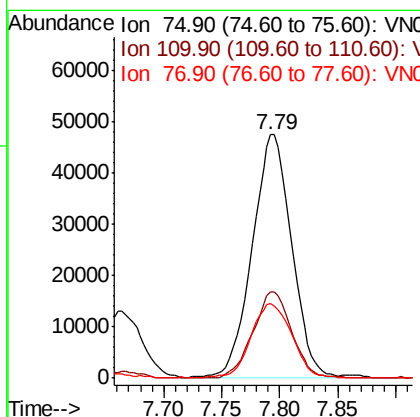
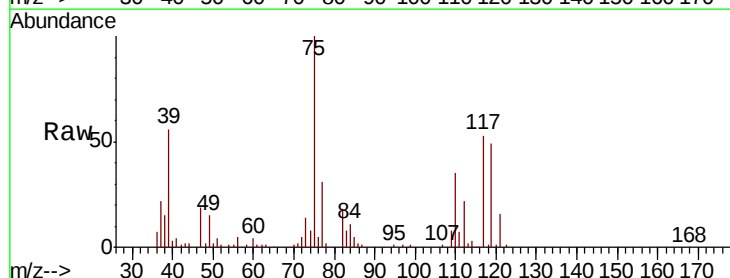
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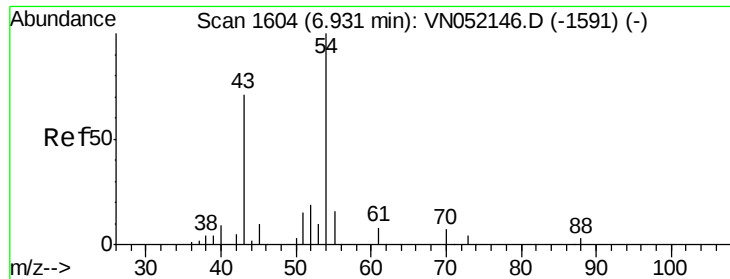
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#36
 1,1-Dichloropropene
 Concen: 20.534 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	112611		
110	34.9	17.8	53.5	
77	31.7	24.0	36.0	





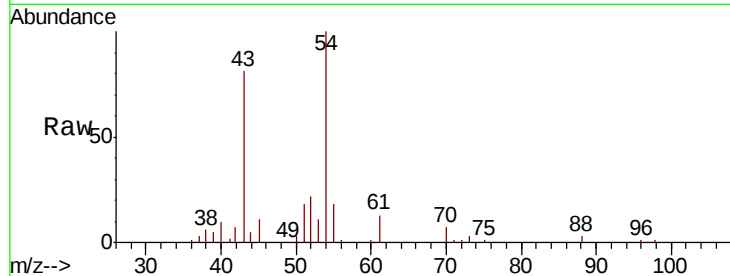
#37
Ethyl Acetate
Concen: 20.372 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

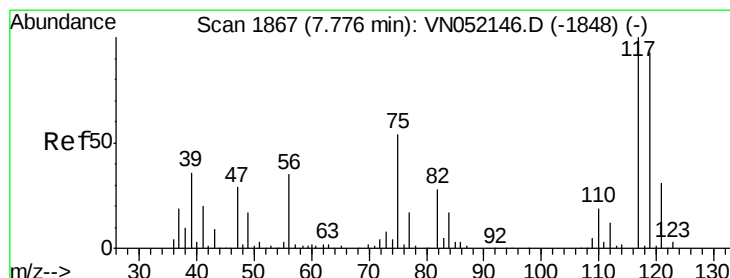
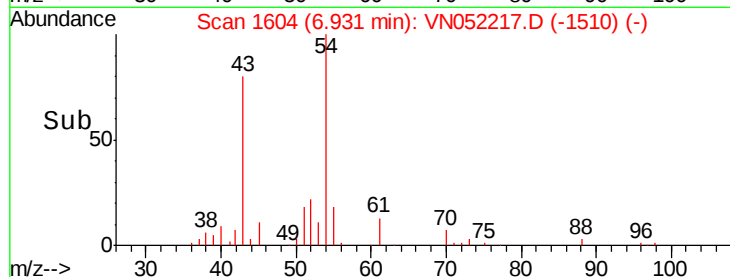
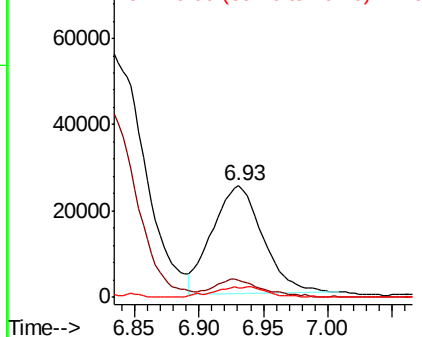
Tot Ion	43	61	70
Resp:	68949		
Ion Ratio	100	14.4	2.9
Lower		9.4	7.6
Upper		14.2#	11.4#

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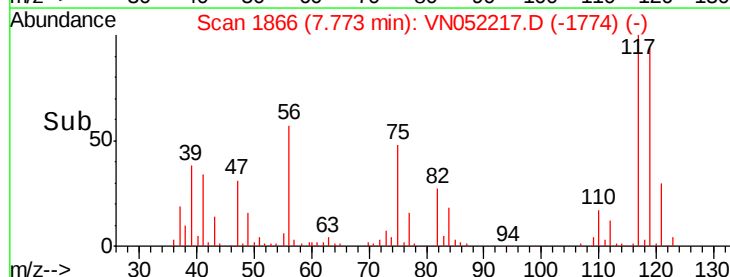
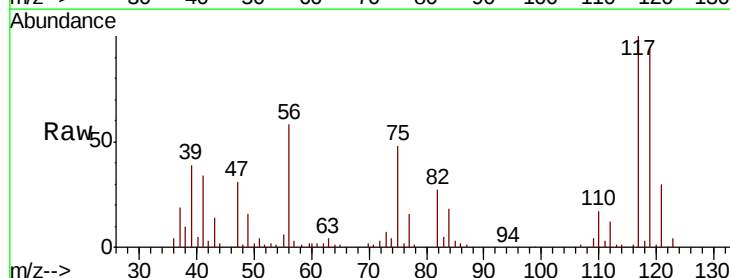
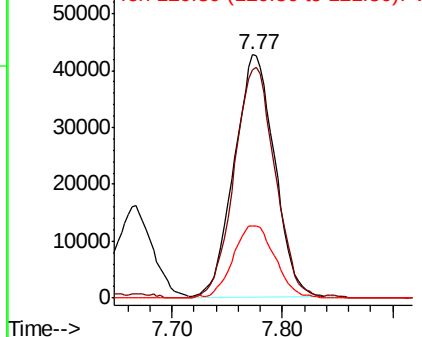
Abundance Ion 43.00 (42.70 to 43.70): VN052217.D (-1510) (-)
Ion 60.90 (60.60 to 61.60): VN052217.D (-1510) (-)
Ion 70.00 (69.70 to 70.70): VN052217.D (-1510) (-)

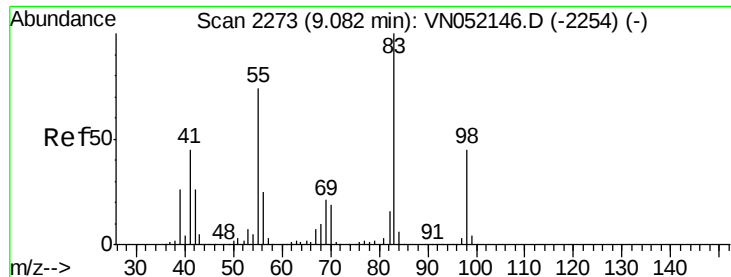


#38
Carbon Tetrachloride
Concen: 19.708 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	117	119	121
Resp:	108053		
Ion Ratio	100	94.1	29.9
Lower		74.7	24.5
Upper		112.1	36.7

Abundance Ion 116.80 (116.50 to 117.50): VN052217.D (-1774) (-)
Ion 118.80 (118.50 to 119.50): VN052217.D (-1774) (-)
Ion 120.80 (120.50 to 121.50): VN052217.D (-1774) (-)





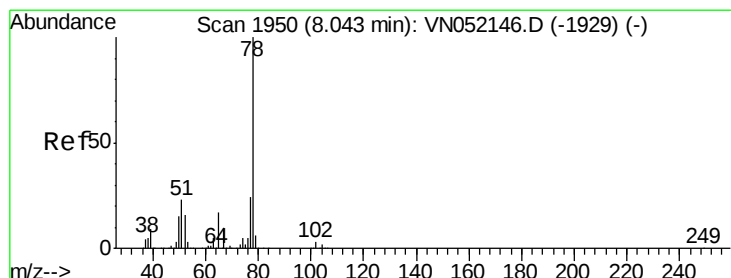
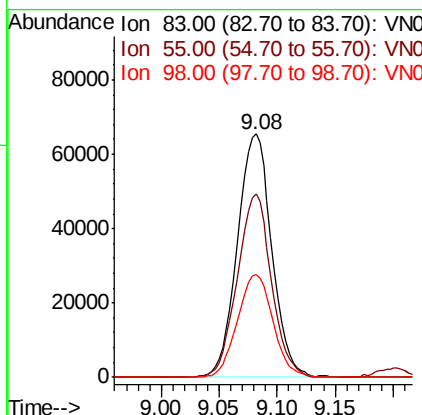
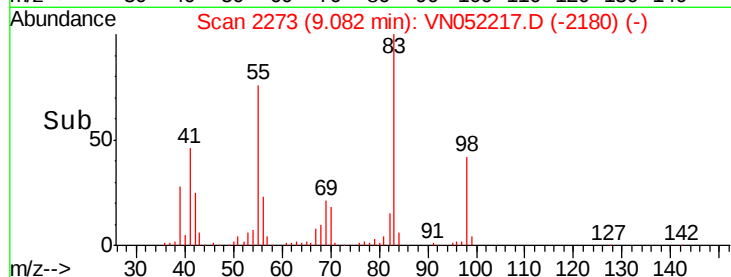
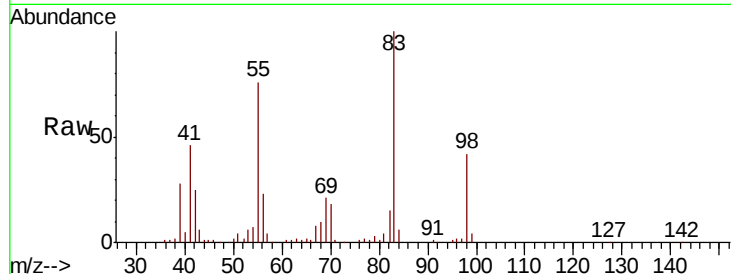
#39
Methvlcvclohexane
Concen: 20.783 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.4	89.2
98	42.3	36.3	54.5

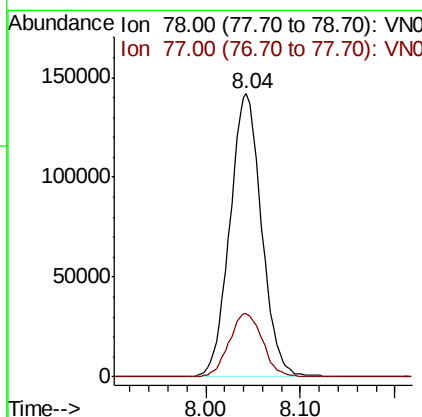
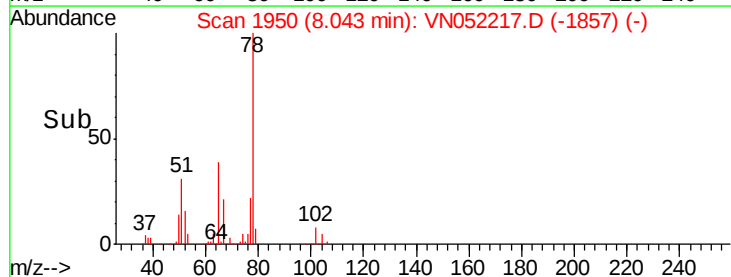
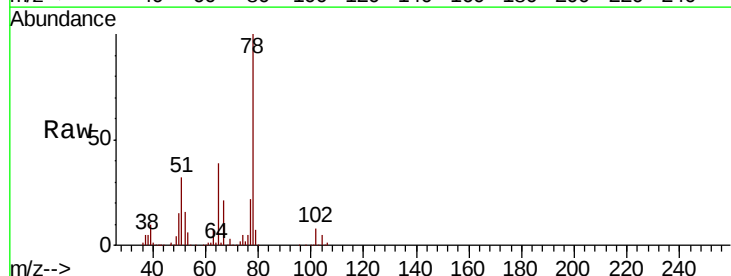
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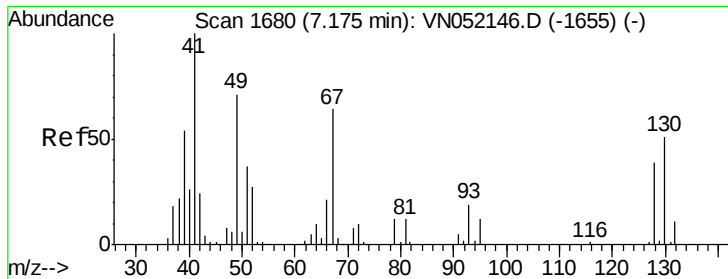
MMDadoda
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#40
Benzene
Concen: 20.491 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.1	28.7





#41

Methacrylonitrile

Concen: 19.861 ug/l m

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS01

Tot Ion: 41 Resp: 35986

Ion Ratio Lower Upper

41 100

39 63.5 49.6 74.4

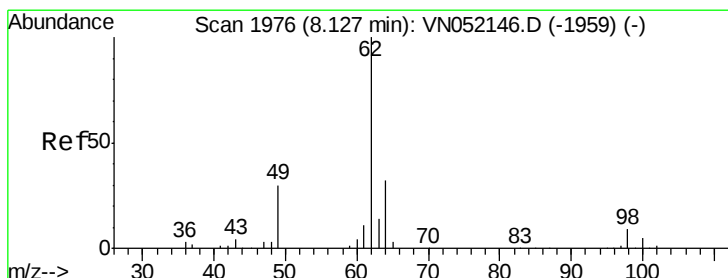
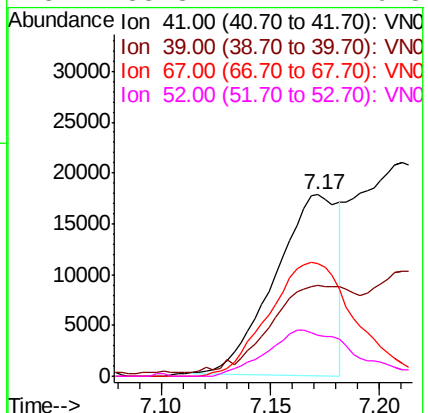
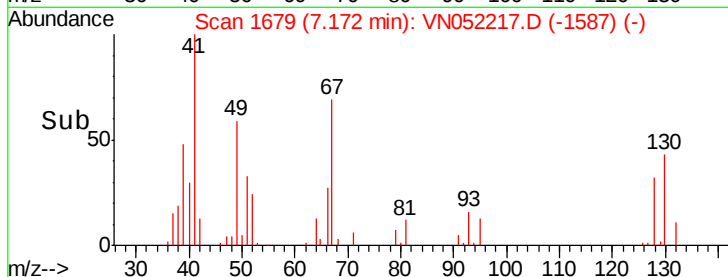
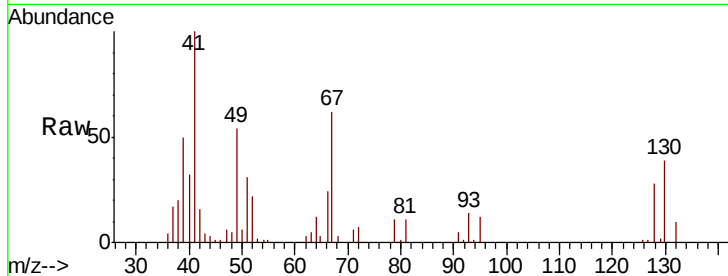
67 85.6 65.4 98.2

52 35.3 27.2 40.8

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#42

1,2-Dichloroethane

Concen: 20.213 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052217.D

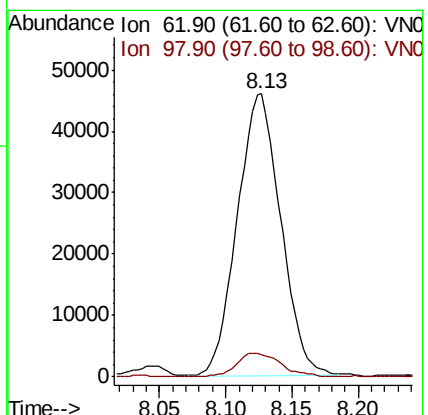
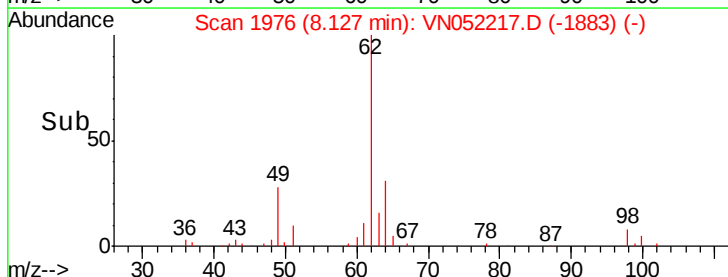
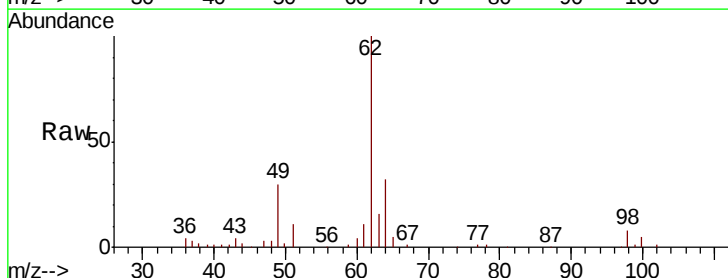
Acq: 8 Nov 2018 12:08

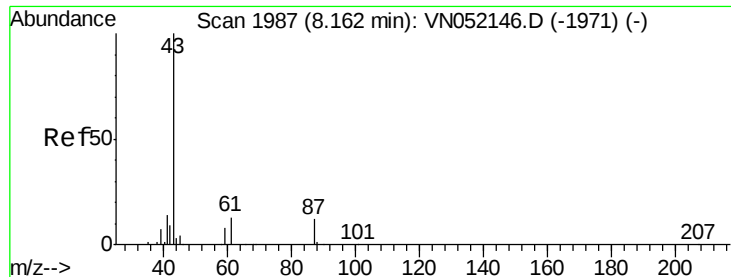
Tgt Ion: 62 Resp: 104752

Ion Ratio Lower Upper

62 100

98 8.7 0.0 18.2





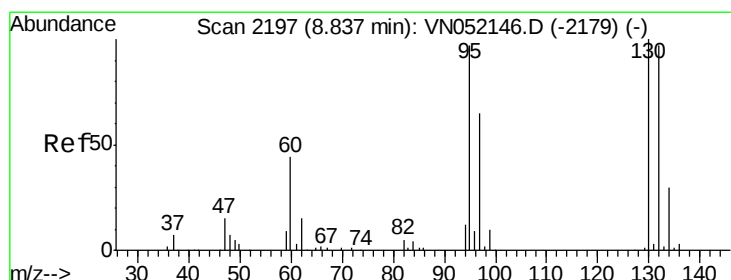
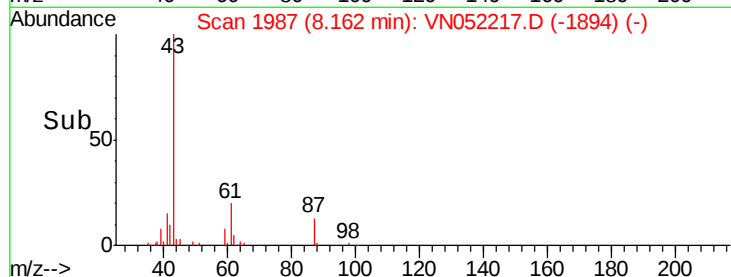
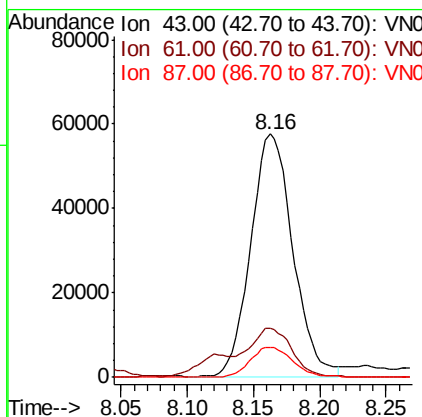
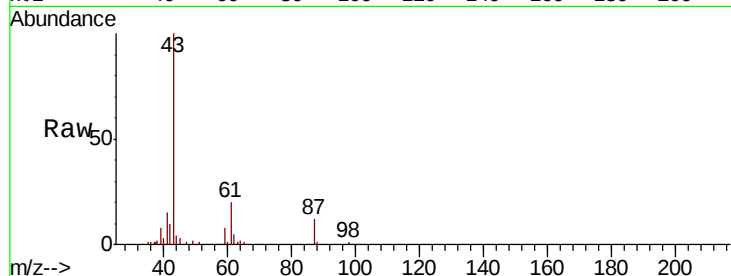
#43
Isopropyl Acetate
Concen: 20.401 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	21.5	32.3#
87	12.7	10.2	15.2

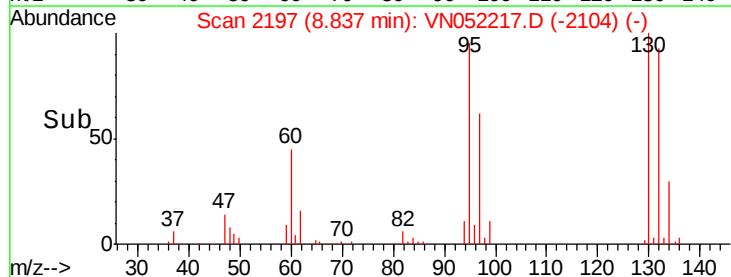
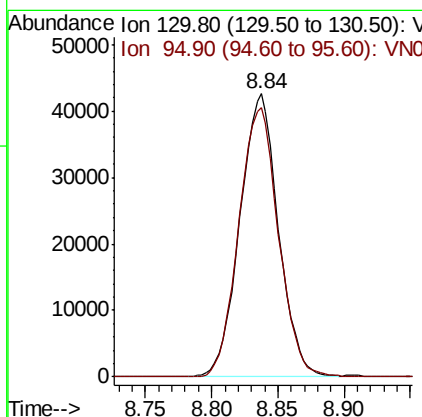
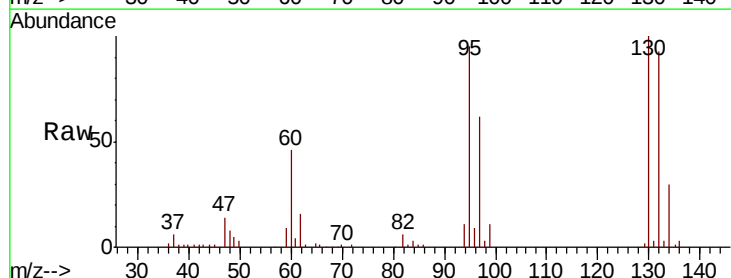
Manual Integrations
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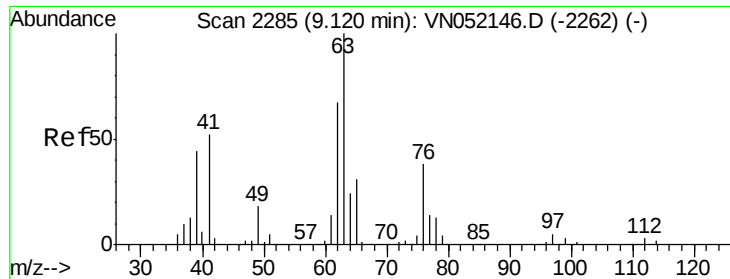
MMDadoda
11/9/2018 11:49:04 AM



#44
Trichloroethene
Concen: 20.075 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	193.8





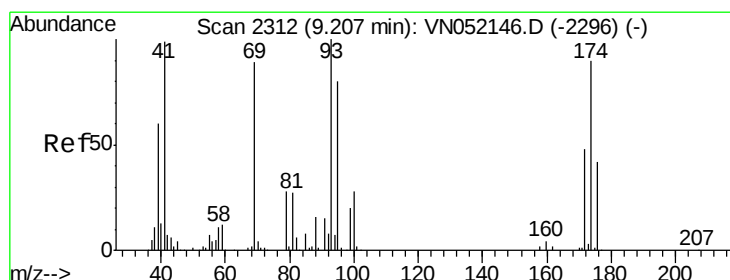
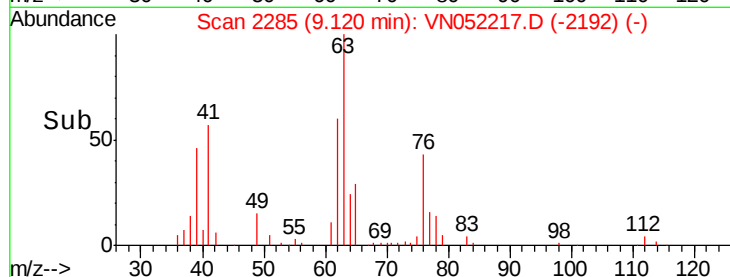
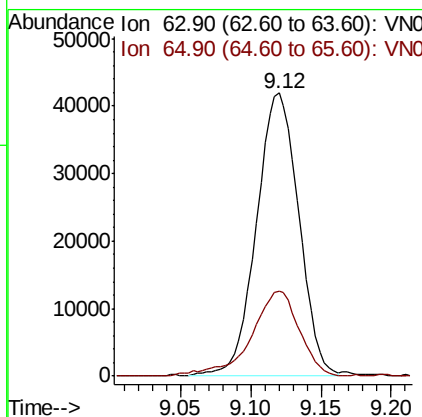
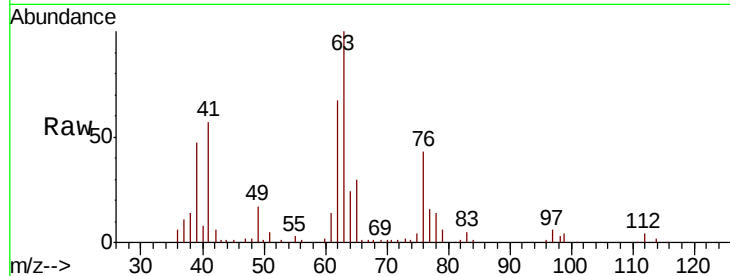
#45
 1,2-Dichloropropane
 Concen: 20.599 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion: 63 Resp: 87946
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6

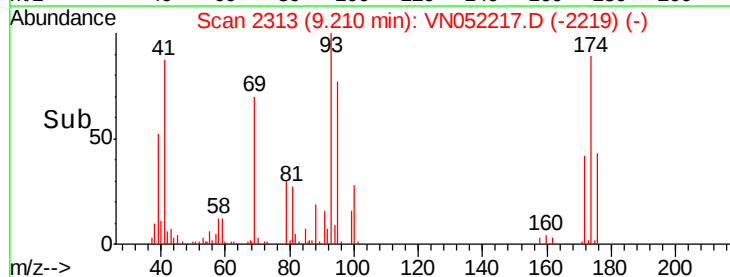
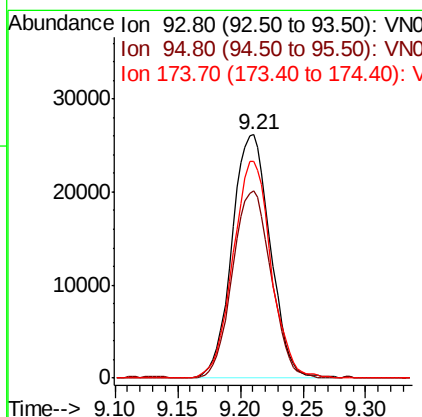
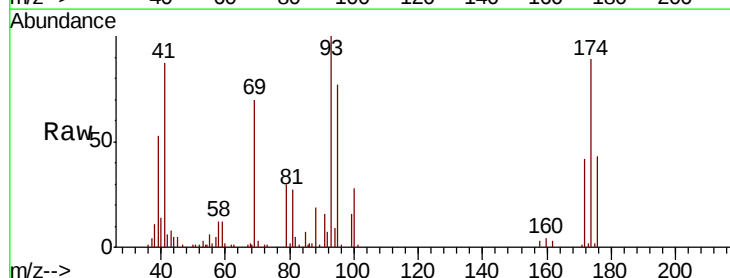
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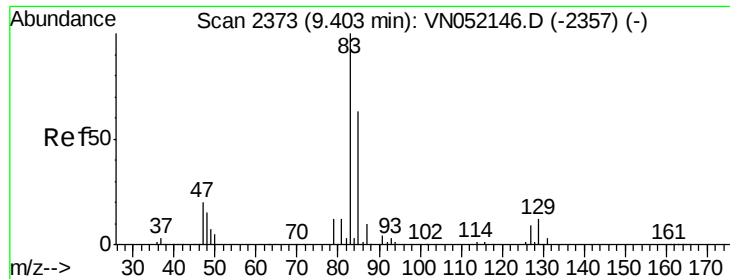
MMDadoda
 11/9/2018 11:49:04 AM



#46
 Dibromomethane
 Concen: 20.442 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion: 93 Resp: 55505
 Ion Ratio Lower Upper
 93 100
 95 77.6 64.5 96.7
 174 89.1 74.6 112.0





#47

Bromodichloromethane

Concen: 20.346 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS01

Tot Ion: 83 Resp: 107738

Ion Ratio Lower Upper

83 100

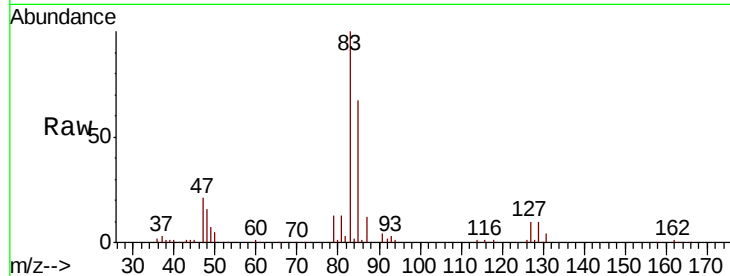
85 67.0 50.5 75.7

127 9.7 7.2 10.8

Manual Integrations
APPROVED

MMDadoda

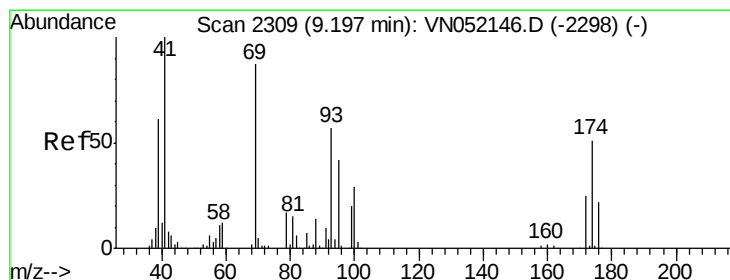
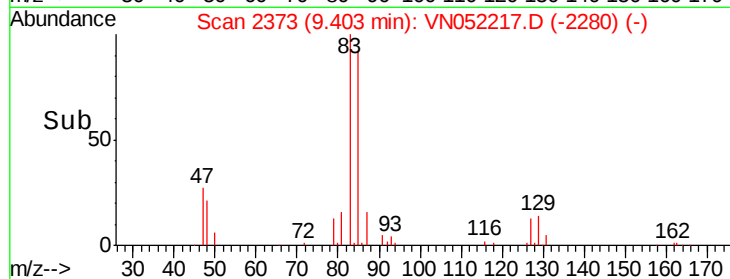
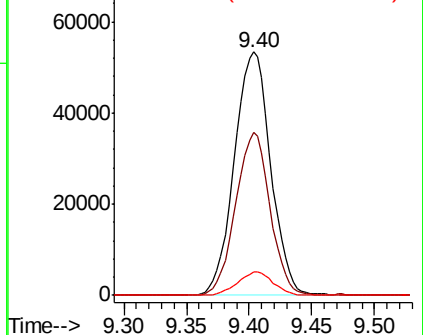
11/9/2018 11:49:04 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 21.717 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

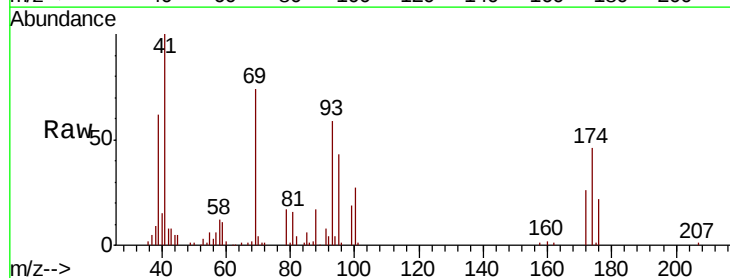
Tgt Ion: 41 Resp: 65403

Ion Ratio Lower Upper

41 100

69 81.4 69.7 104.5

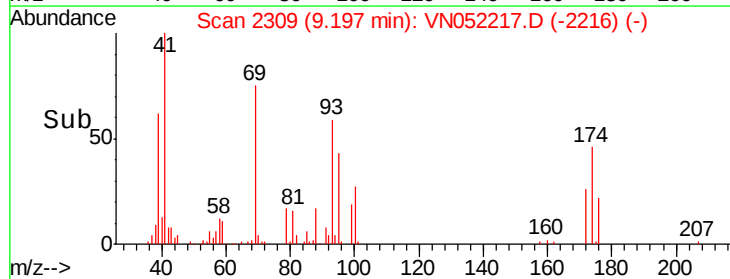
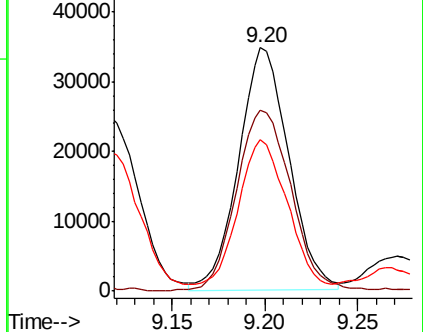
39 59.5 50.6 76.0

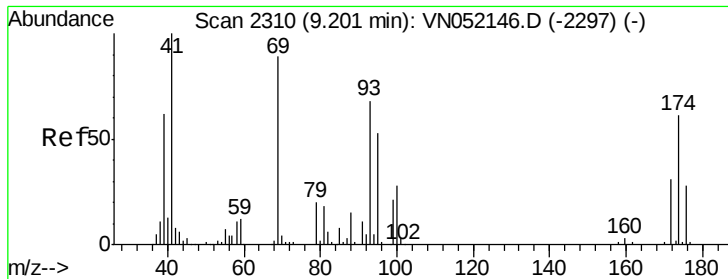


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





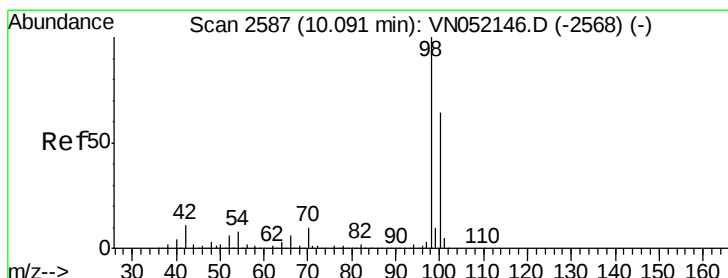
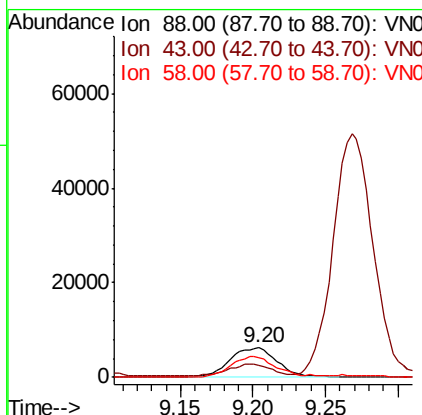
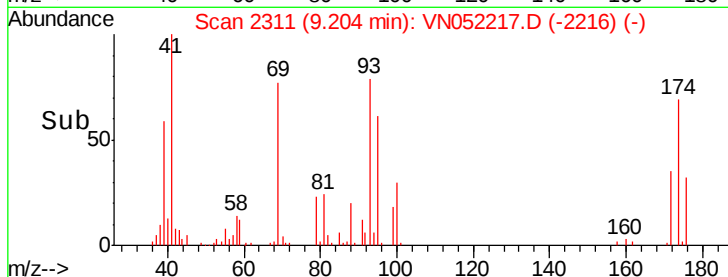
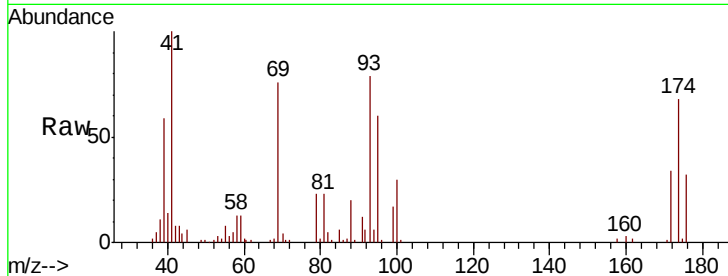
#49
1,4-Dioxane
Concen: 547.421 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	33.0	49.6
58	66.9	58.6	88.0

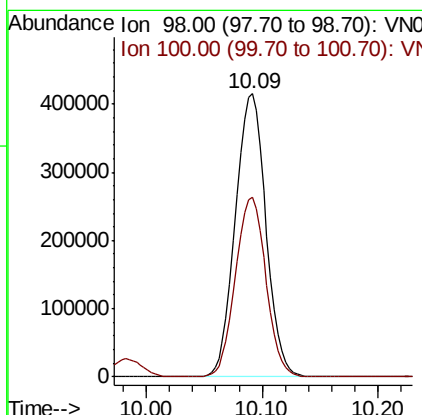
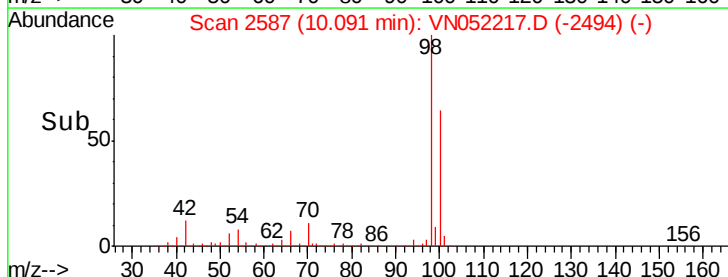
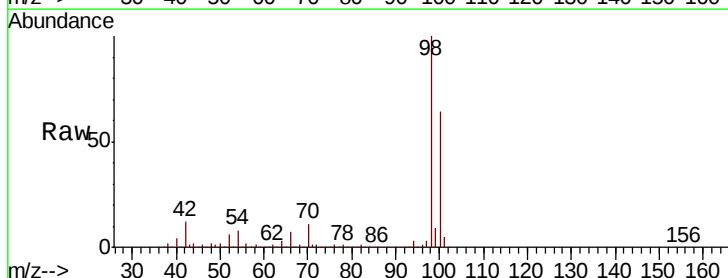
Manual Integrations
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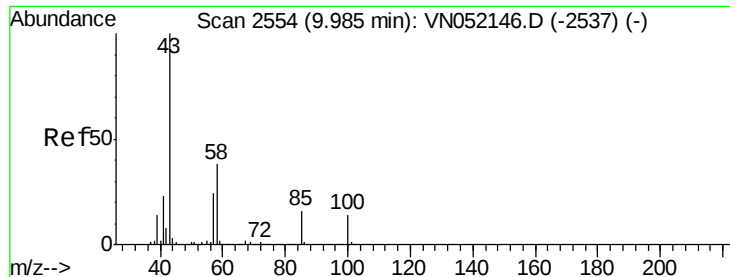
MMDadoda
11/9/2018 11:49:04 AM



#50
Toluene-d8
Concen: 547.421 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.5	75.7





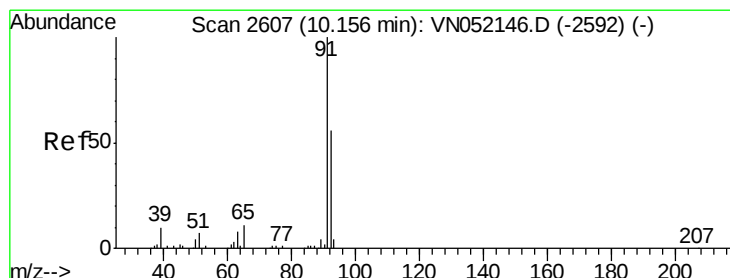
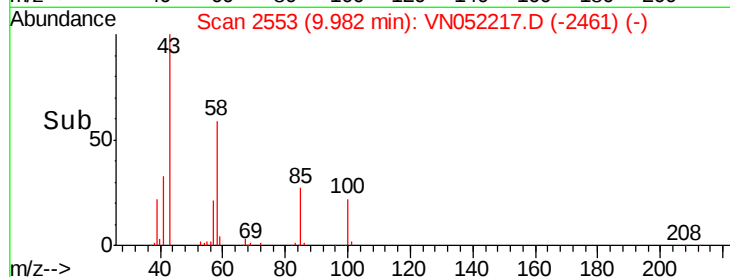
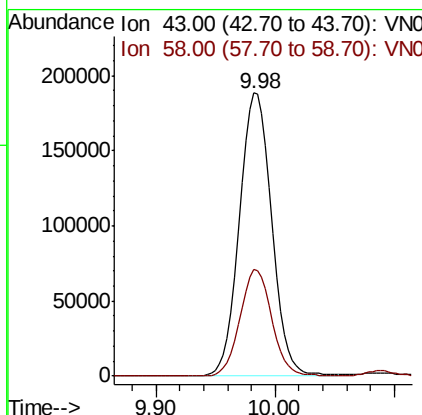
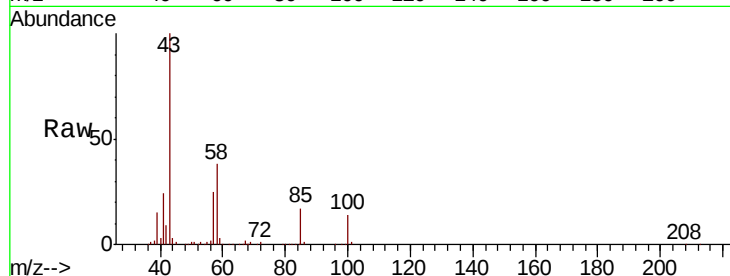
#51
 4-Methyl-2-Pentanone
 Concen: 106.685 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion: 43 Resp: 352676
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.6 44.4

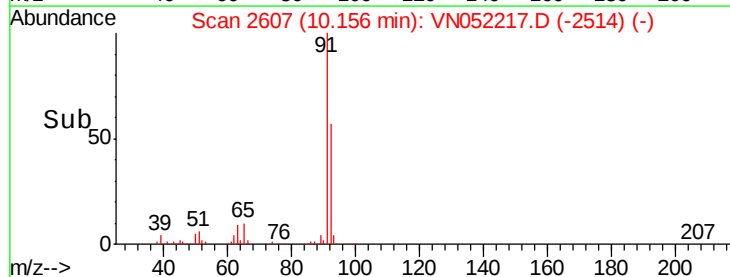
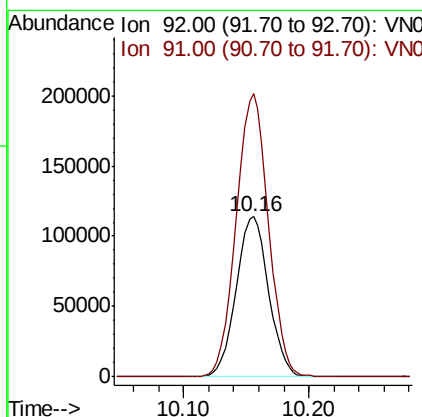
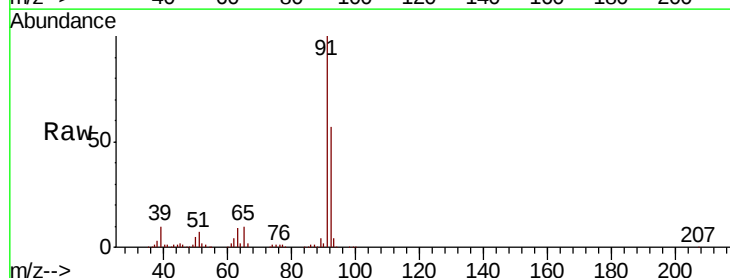
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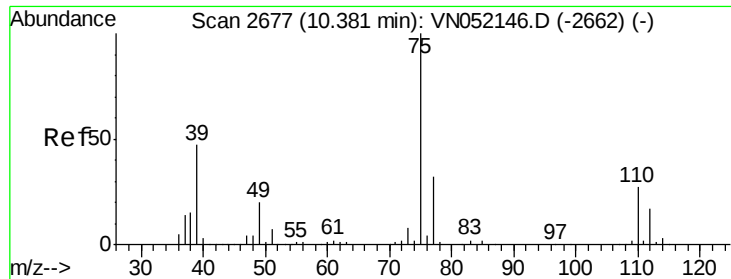
MMDadoda
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#52
 Toluene
 Concen: 21.055 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion: 92 Resp: 204686
 Ion Ratio Lower Upper
 92 100
 91 175.6 142.5 213.7





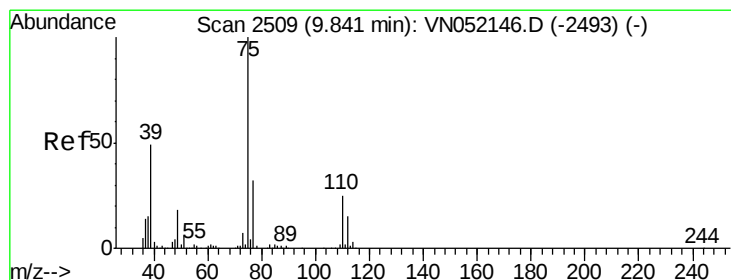
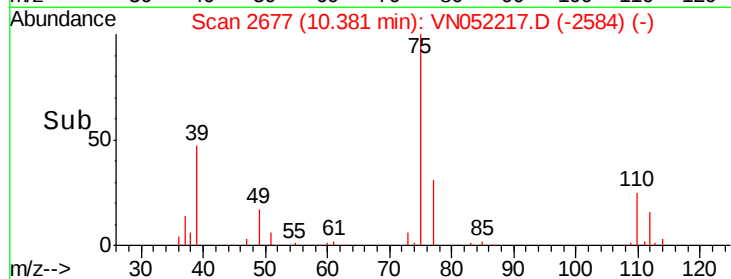
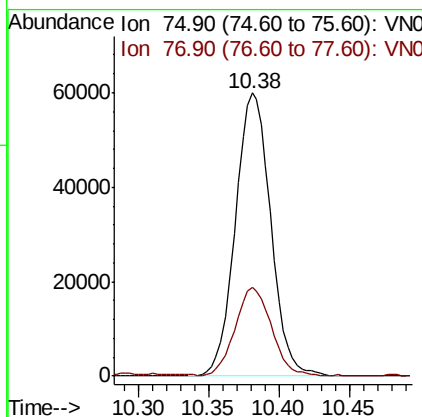
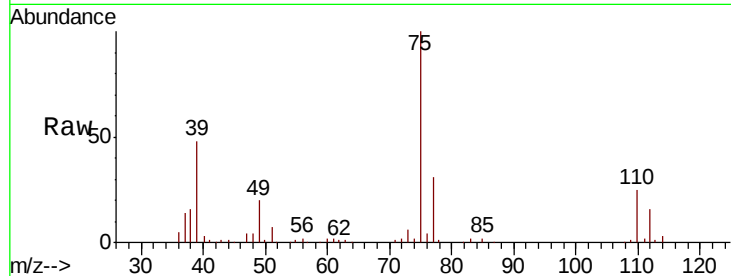
#53
t-1,3-Dichloropropene
Concen: 20.282 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion: 75 Resp: 105362
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.6

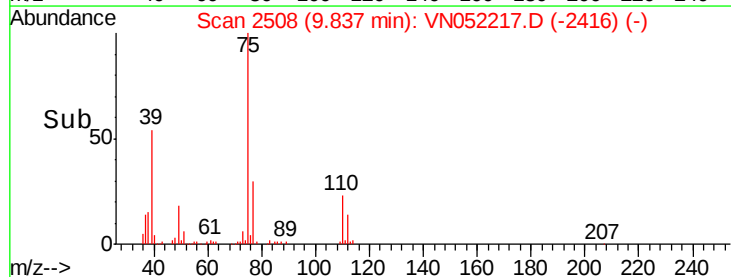
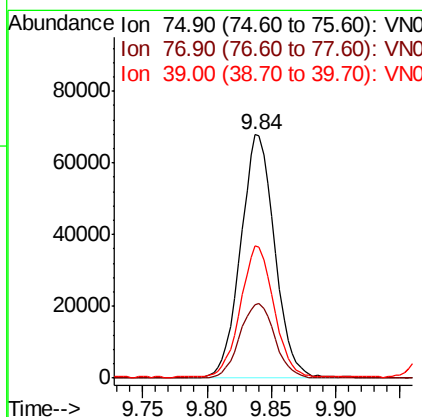
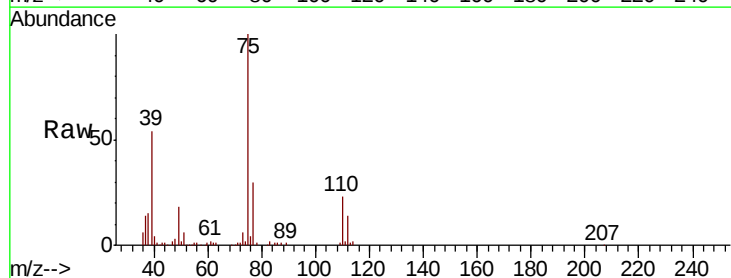
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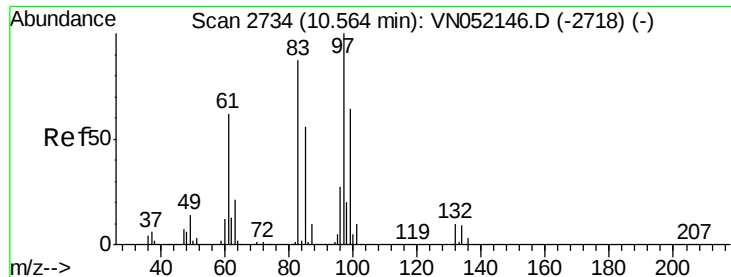
MMDadoda
11/9/2018 11:49:04 AM



#54
cis-1,3-Dichloropropene
Concen: 20.559 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion: 75 Resp: 124976
Ion Ratio Lower Upper
75 100
77 29.9 25.8 38.8
39 53.7 39.2 58.8





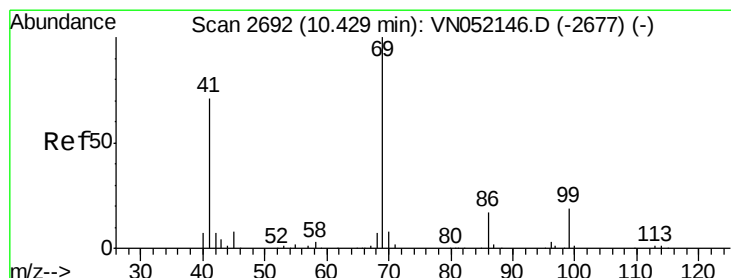
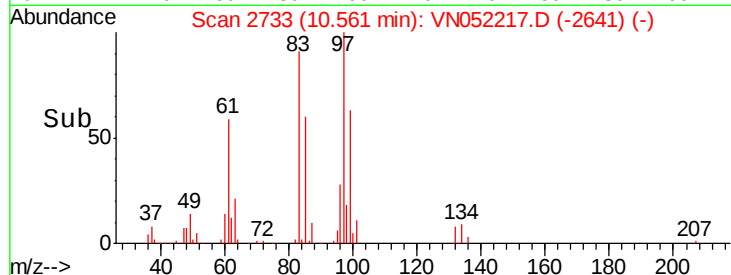
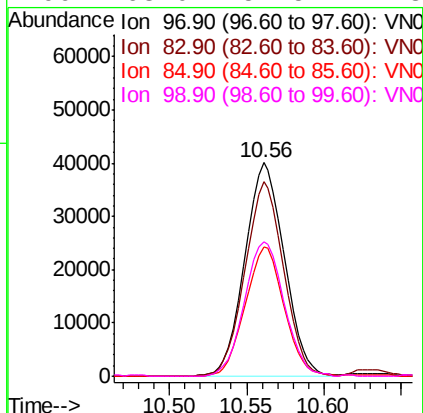
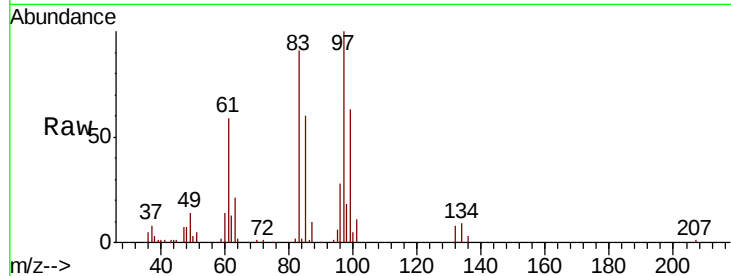
#55
 1,1,2-Trichloroethane
 Concen: 20.807 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion:	97	Resp:	71317
Ion	Ratio	Lower	Upper
97	100		
83	91.0	69.3	103.9
85	60.5	44.9	67.3
99	63.0	51.5	77.3

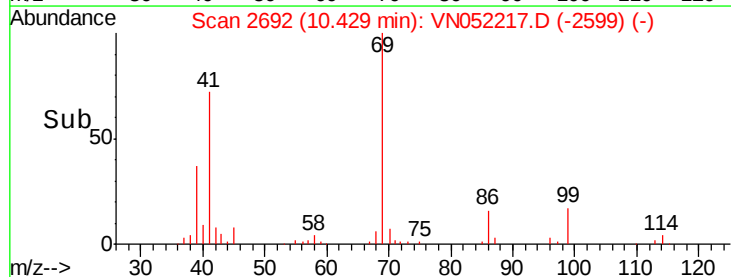
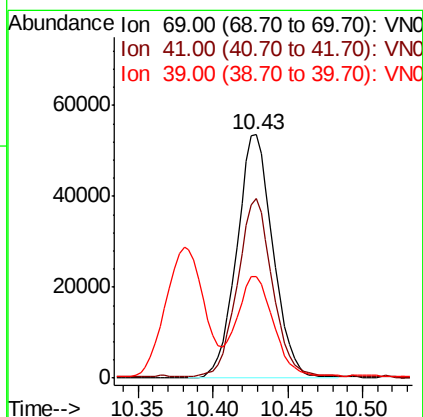
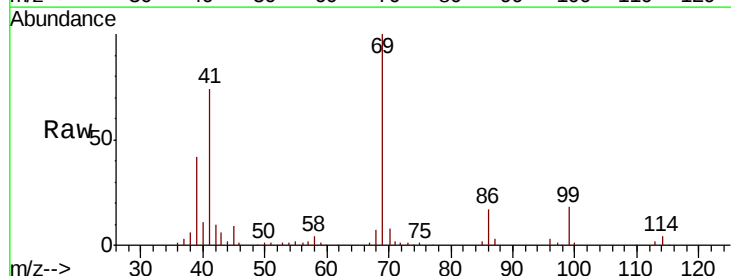
Manual Integrations
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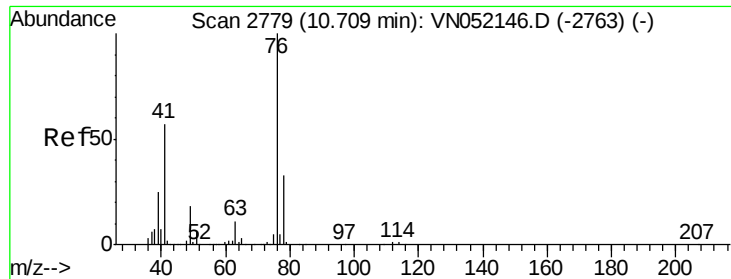
MMDadoda
 11/9/2018 11:49:04 AM



#56
 Ethyl methacrylate
 Concen: 20.203 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion:	69	Resp:	90262
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.4	83.0
39	41.2	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.237 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS01

Tot Ion: 76 Resp: 122194

Ion Ratio Lower Upper

76 100

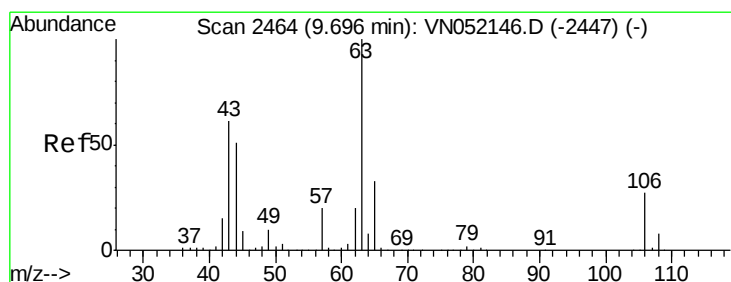
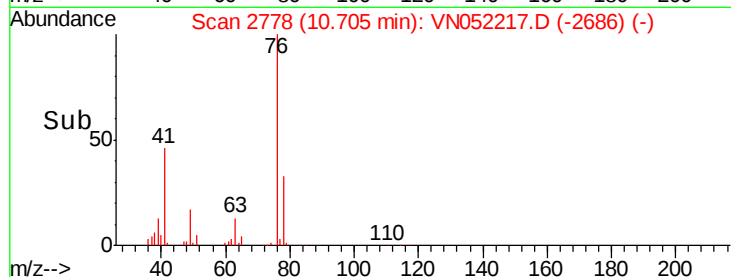
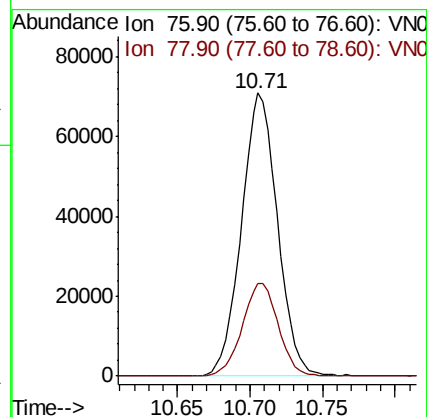
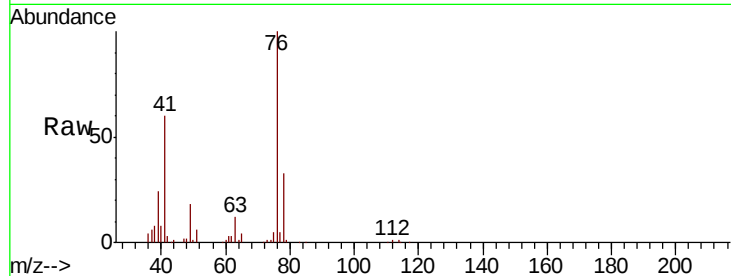
78 32.8 25.5 38.3

Manual Integrations

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11/9/2018 11:49:04 AM



#58

2-Chloroethyl Vinyl ether

Concen: 107.269 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052217.D

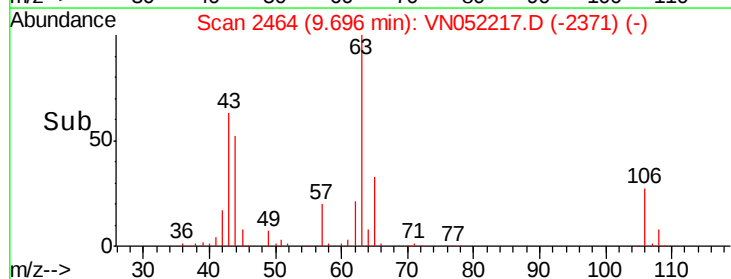
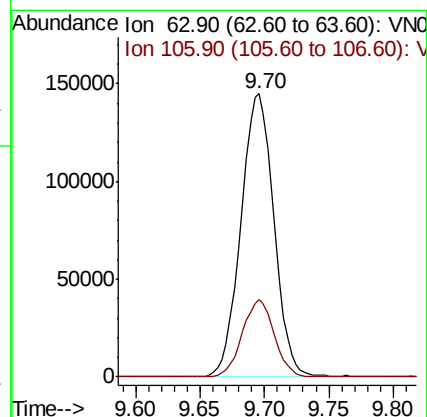
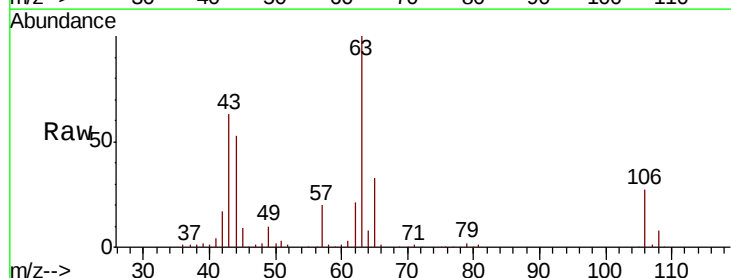
Acq: 8 Nov 2018 12:08

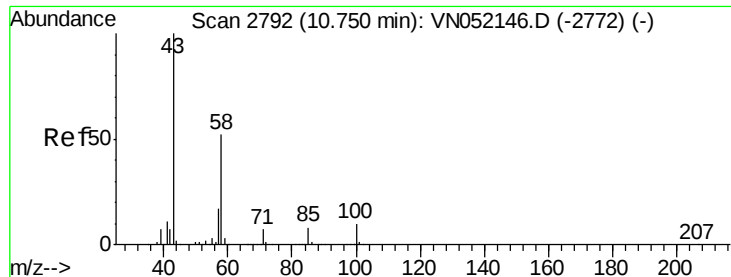
Tgt Ion: 63 Resp: 257913

Ion Ratio Lower Upper

63 100

106 26.5 21.0 31.4





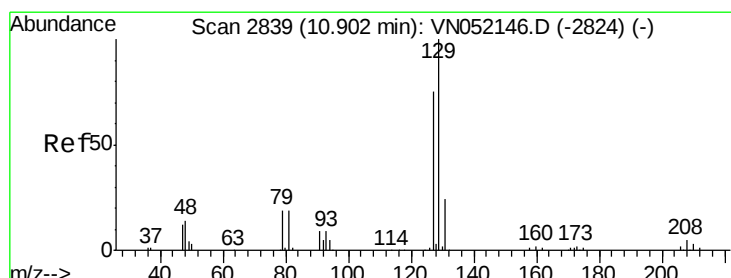
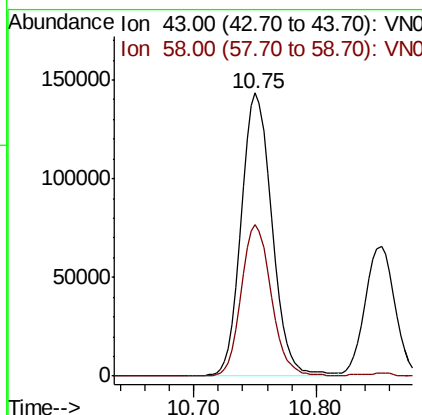
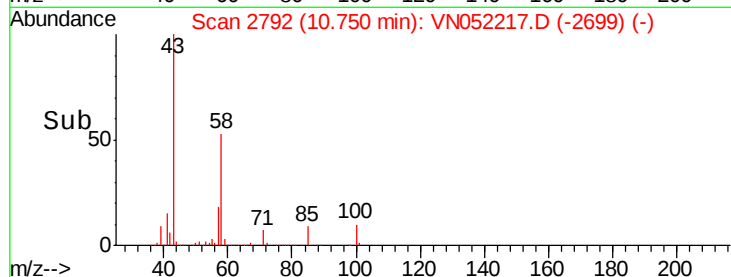
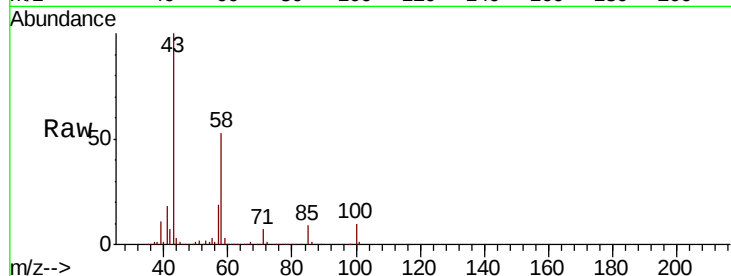
#59
2-Hexanone
Concen: 107.452 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion: 43 Resp: 247271
Ion Ratio Lower Upper
43 100
58 52.8 25.8 77.4

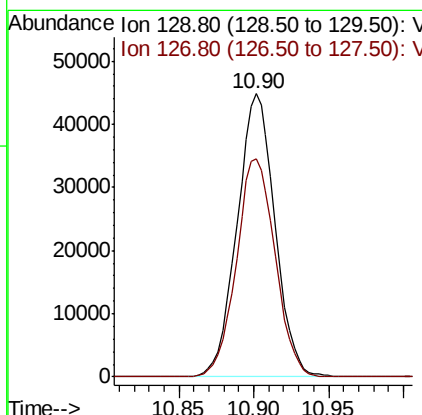
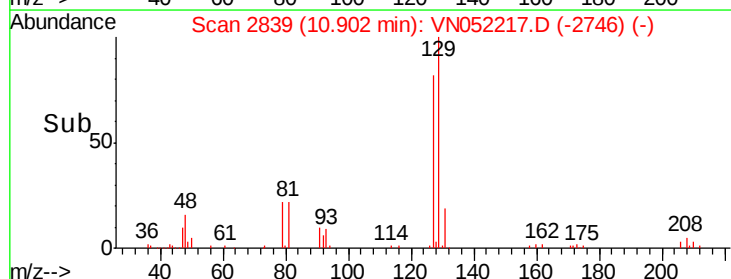
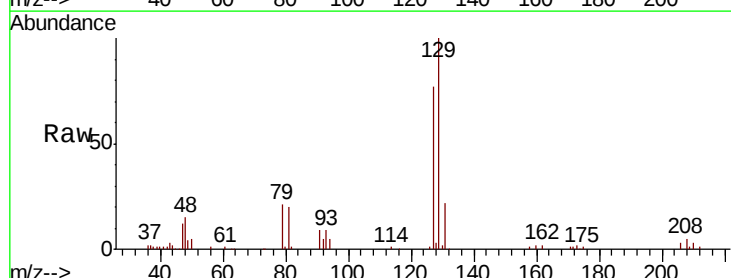
Manual Integrations
APPROVED

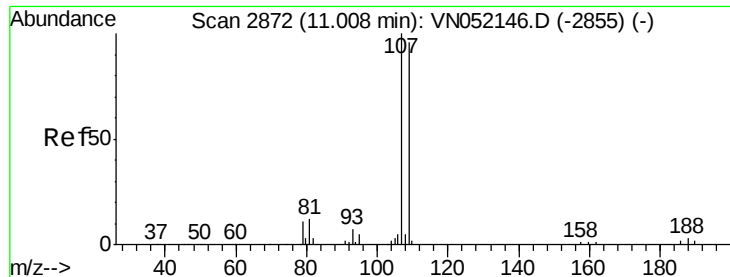
MMDadoda
11/9/2018 11:49:04 AM



#60
Dibromochloromethane
Concen: 20.230 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion: 129 Resp: 78852
Ion Ratio Lower Upper
129 100
127 78.7 38.0 114.1





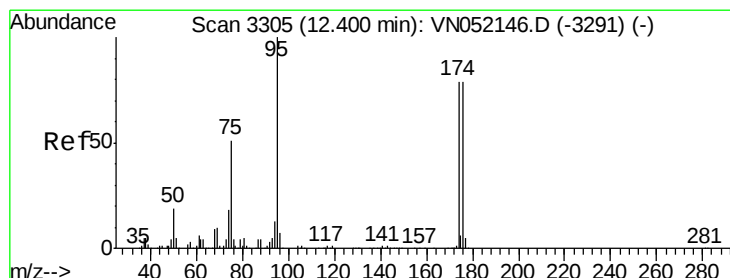
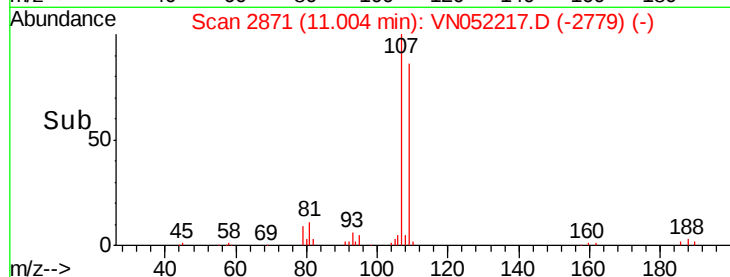
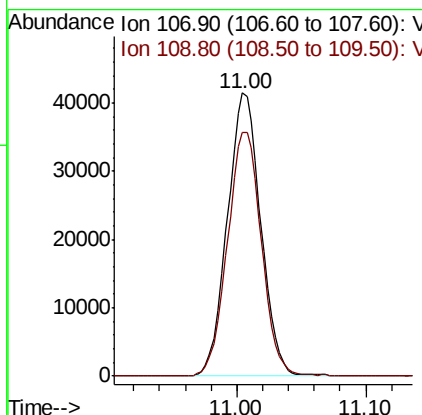
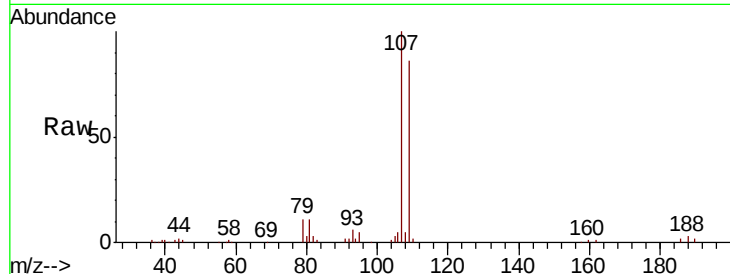
#61
 1,2-Dibromoethane
 Concen: 21.381 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	87.6	76.0	114.0

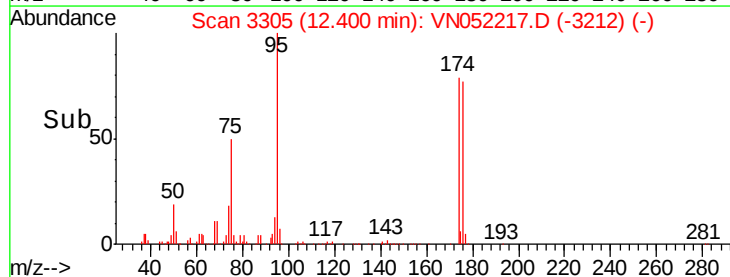
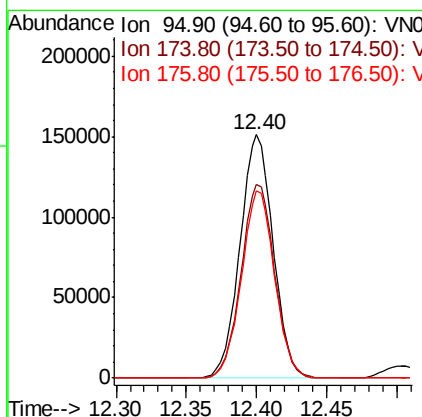
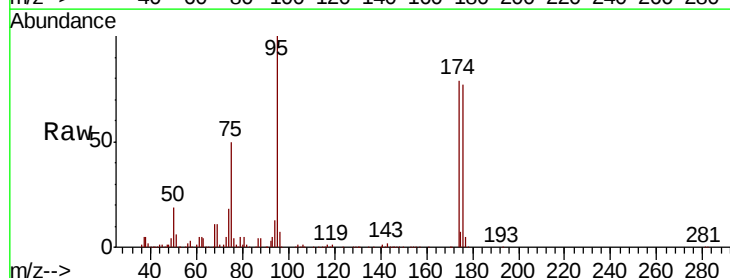
Manual Integrations
 APPROVED

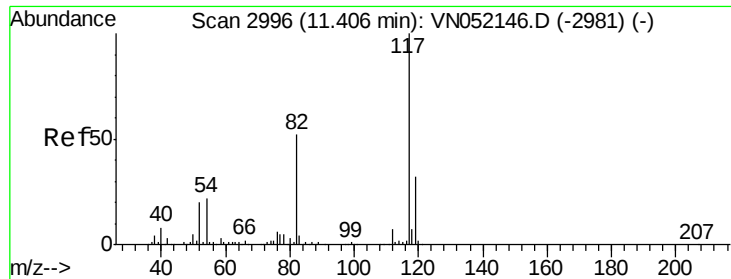
MMDadoda
 11/9/2018 11:49:04 AM



#62
 4-Bromofluorobenzene
 Concen: 21.381 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	162.6
176	77.2	0.0	155.4





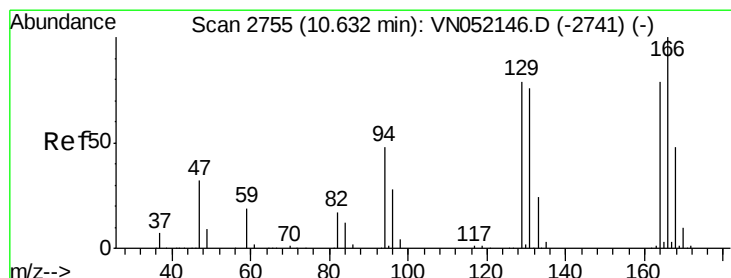
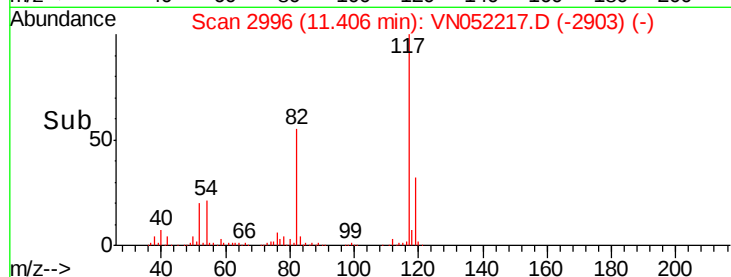
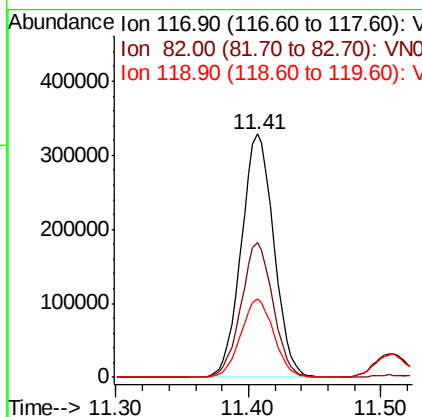
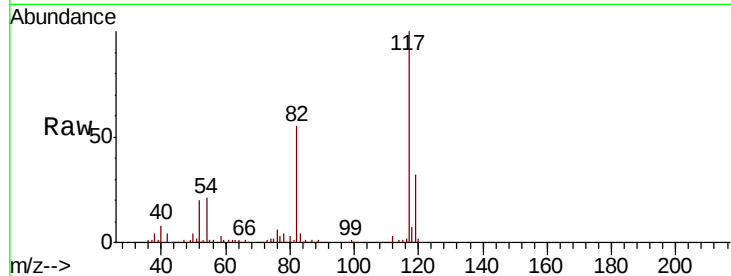
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	559569		
82	55.2		41.9	62.9
119	32.1		25.7	38.5

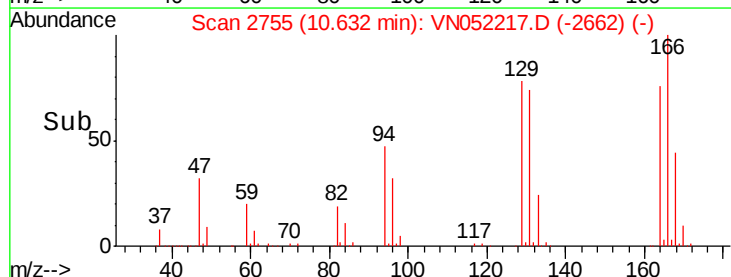
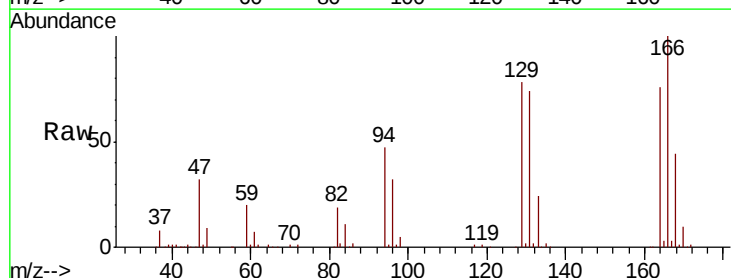
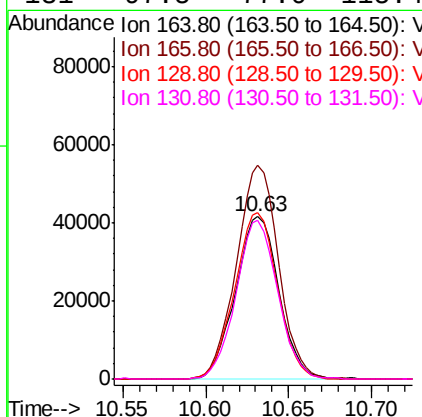
Manual Integrations
APPROVED

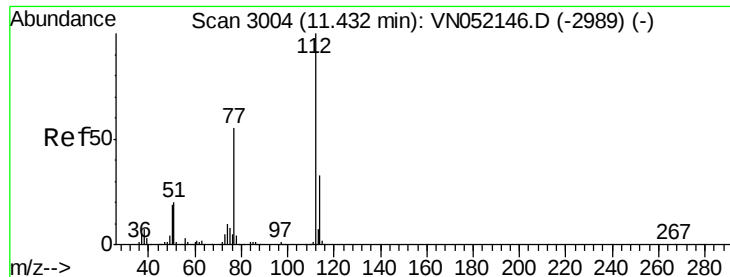
MMDadoda
11/9/2018 11:49:04 AM



#64
Tetrachloroethene
Concen: 20.841 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75553		
166	131.5		100.8	151.2
129	102.8		79.1	118.7
131	97.5		77.0	115.4





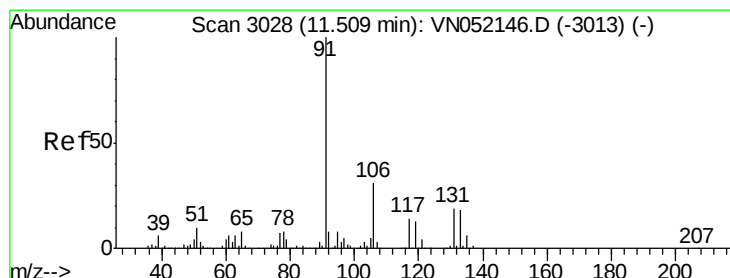
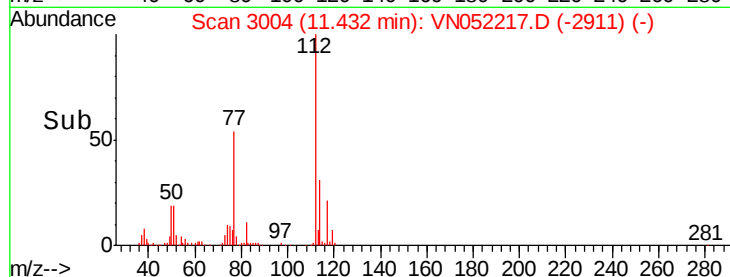
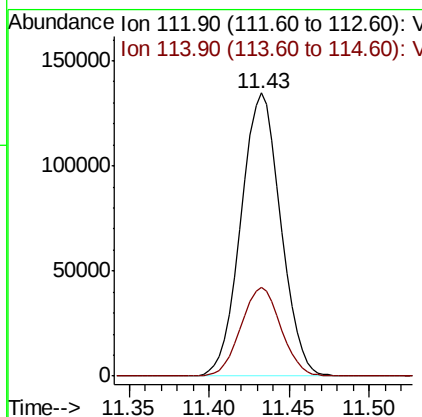
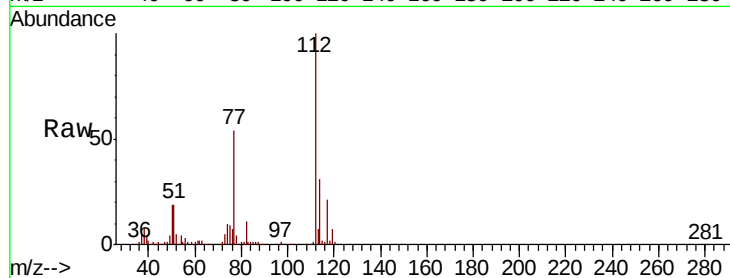
#65
Chlorobenzene
Concen: 19.997 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.2	39.4

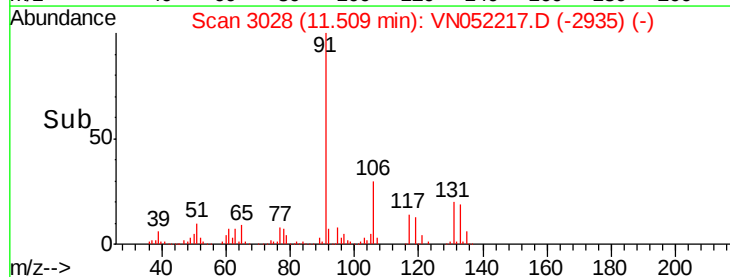
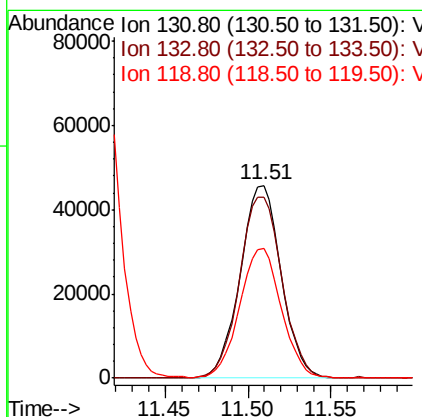
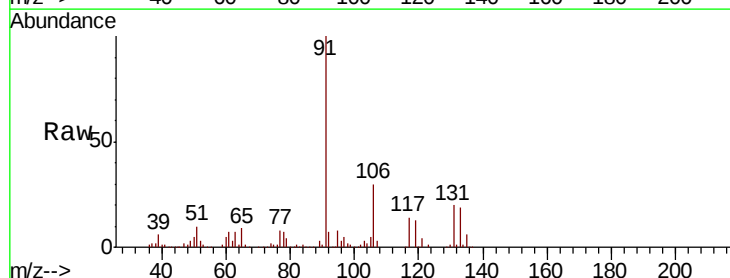
Manual Integrations
APPROVED

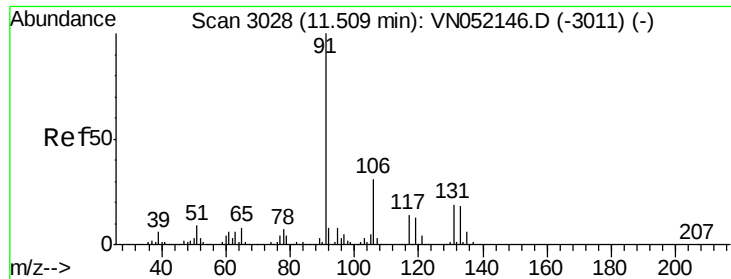
MMDadoda
11/9/2018 11:49:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.464 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.8	46.6	139.8
119	69.0	33.6	100.8





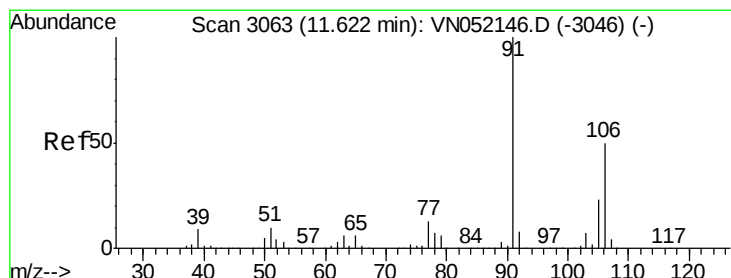
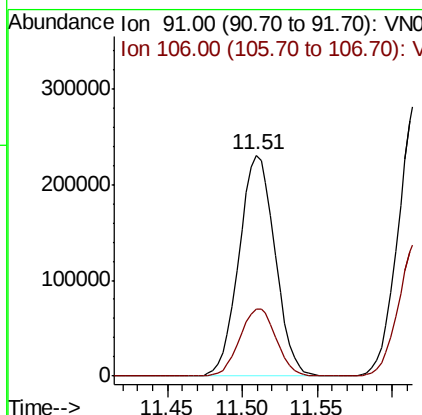
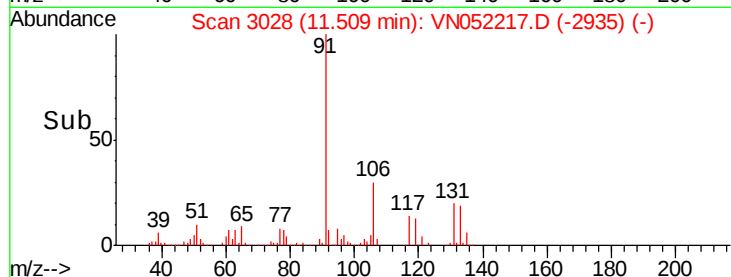
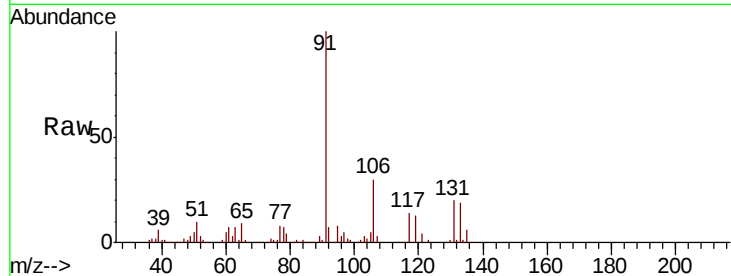
#67
Ethyl Benzene
Concen: 20.403 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1108WBS01

Tot Ion: 91 Resp: 386501
Ion Ratio Lower Upper
91 100
106 30.2 25.1 37.7

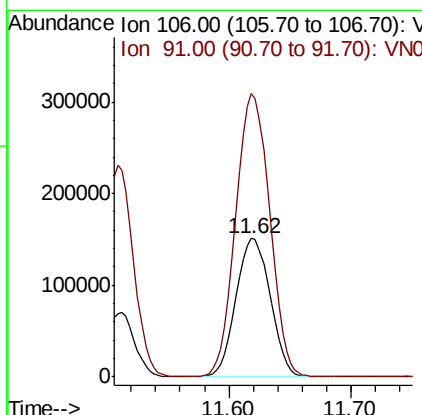
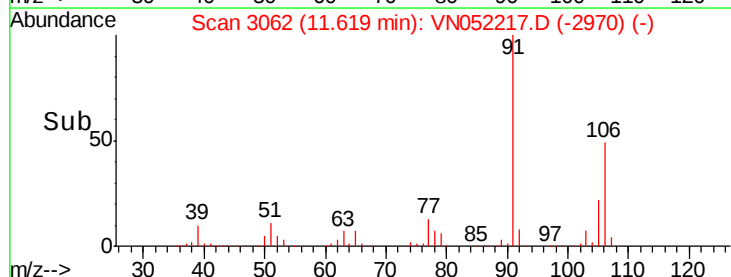
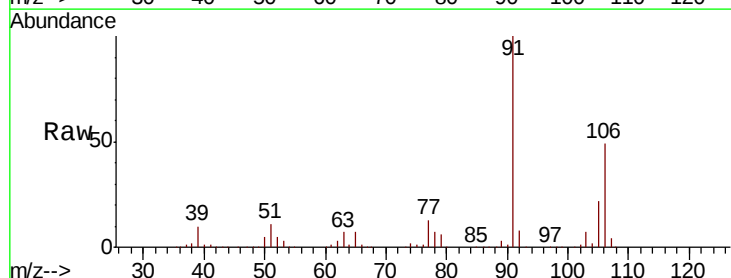
Manual Integrations
APPROVED

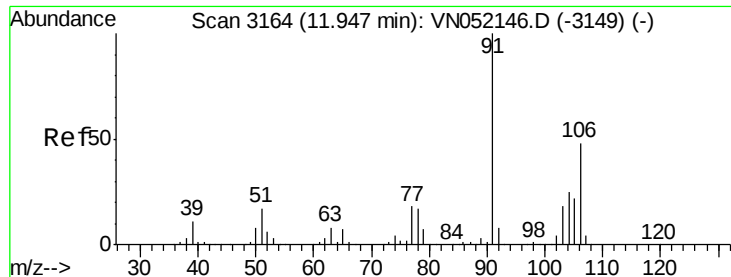
MMDadoda
11/9/2018 11:49:04 AM



#68
m/p-Xylenes
Concen: 40.257 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion: 106 Resp: 294258
Ion Ratio Lower Upper
106 100
91 202.7 158.2 237.4





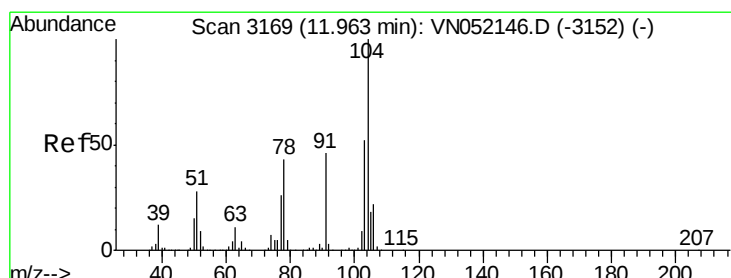
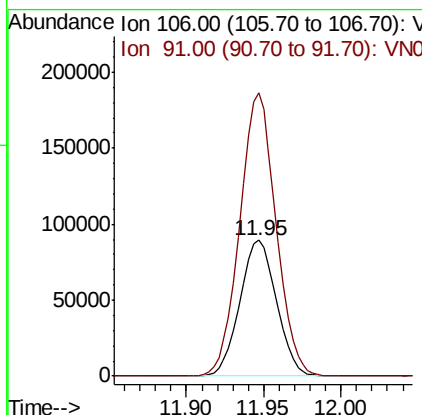
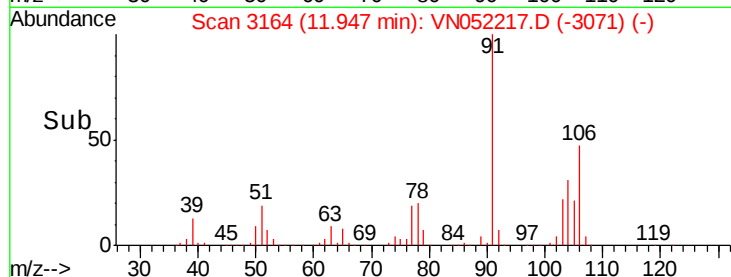
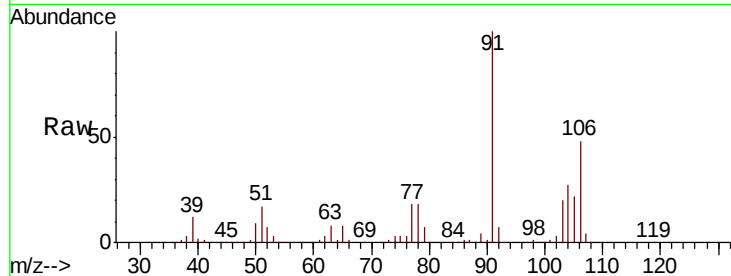
#69
o-Xylene
Concen: 20.805 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1108WBS01

Tot Ion:106 Resp: 147480
Ion Ratio Lower Upper
106 100
91 205.7 104.8 314.3

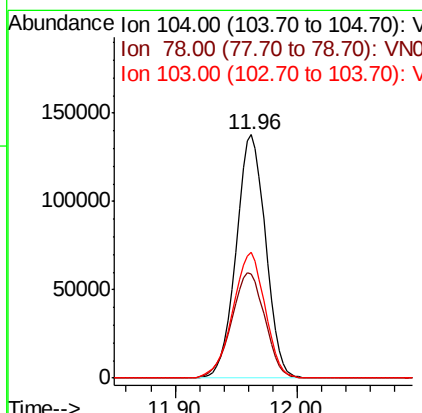
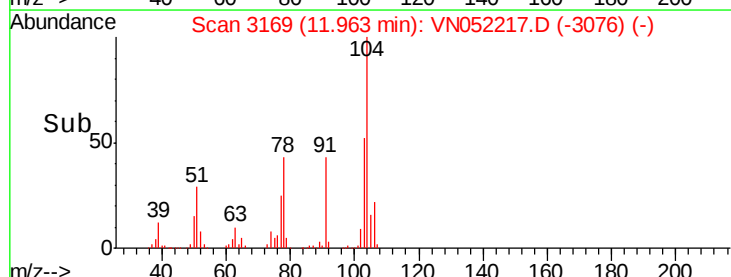
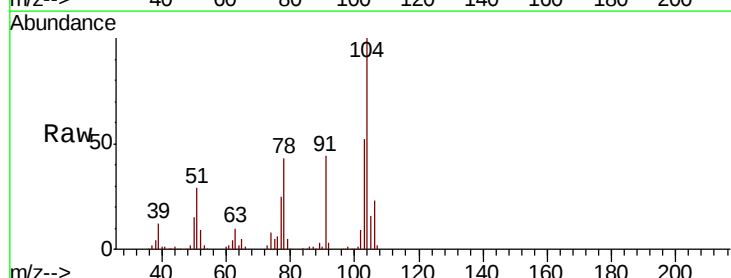
Manual Integrations
APPROVED

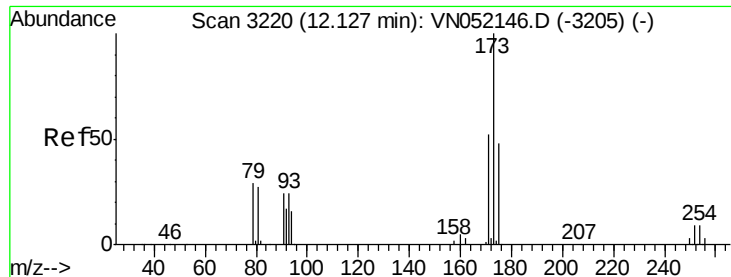
MMDadoda
11/9/2018 11:49:04 AM



#70
Styrene
Concen: 20.473 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion:104 Resp: 229739
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.0
103 56.8 45.1 67.7





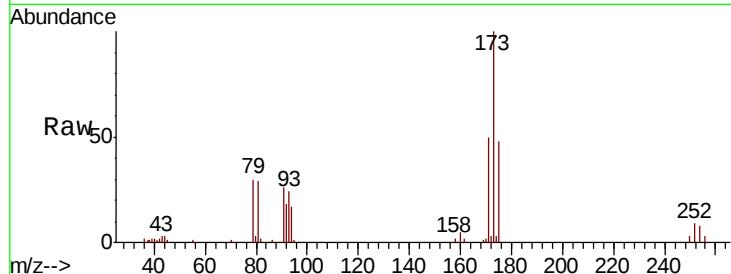
#71
Bromoform
Concen: 19.198 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.8	74.4
254	0.0	0.2	0.2

Manual Integrations
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11/9/2018 11:49:04 AM

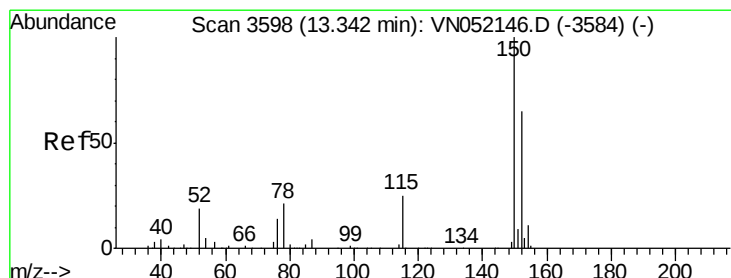
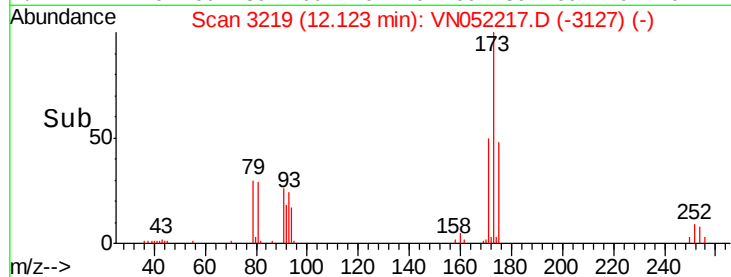
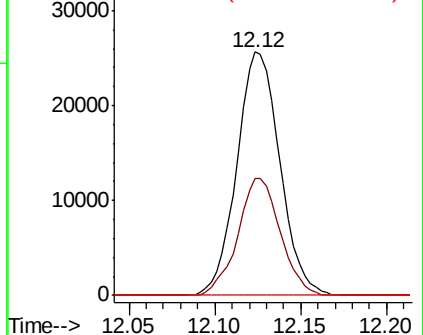


Abundance

Ion 172.70 (172.40 to 173.40): V

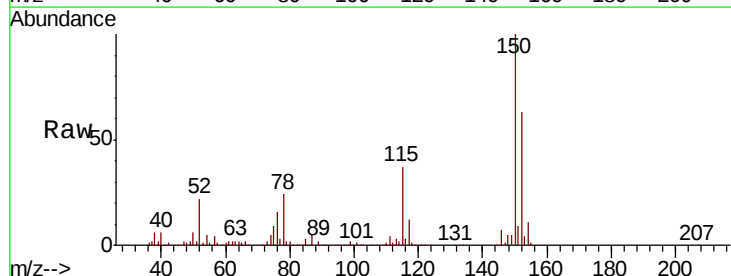
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.5	85.5
150	160.3	0.0	348.6

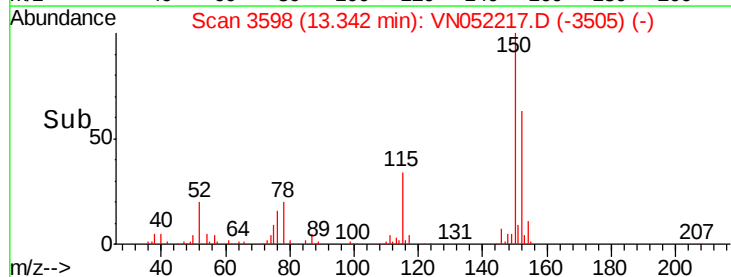
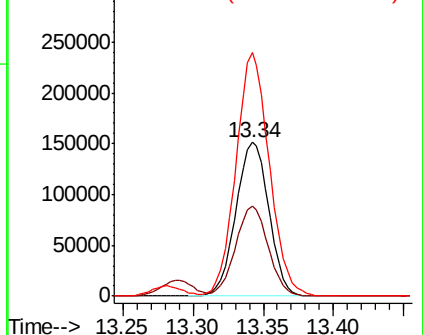


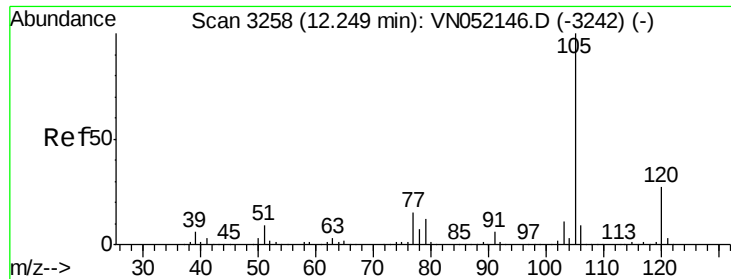
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.381 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampled :

VN1108WBS01

Tot Ion: 105 Resp: 382020

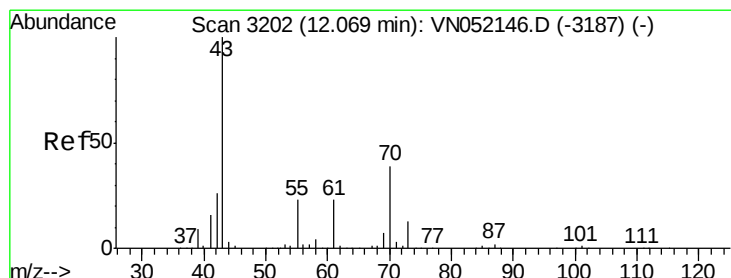
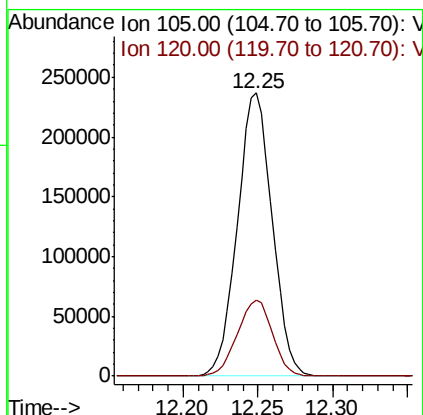
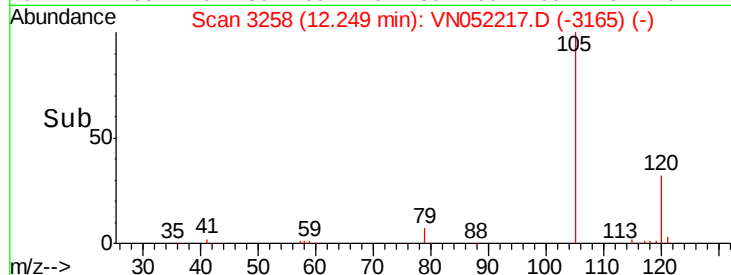
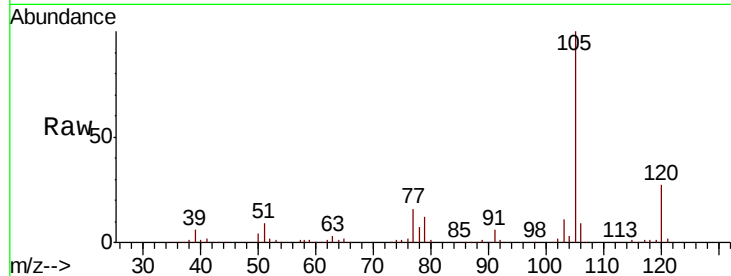
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9

Manual Integrations
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11/9/2018 11:49:04 AM



#74

N-ethyl acetate

Concen: 20.126 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Tgt Ion: 43 Resp: 111939

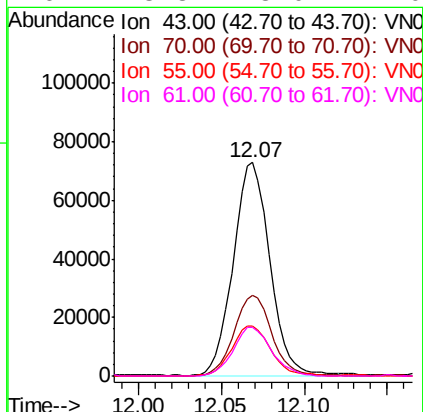
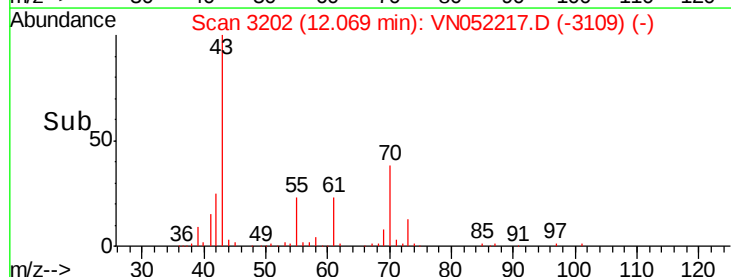
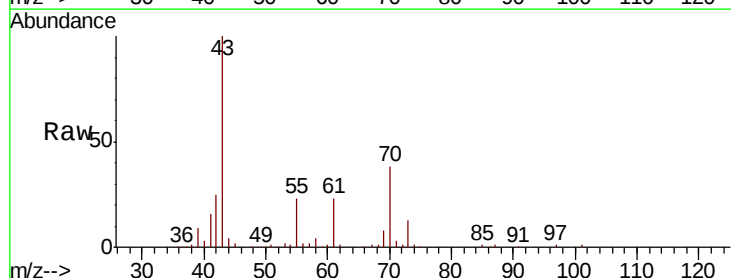
Ion Ratio Lower Upper

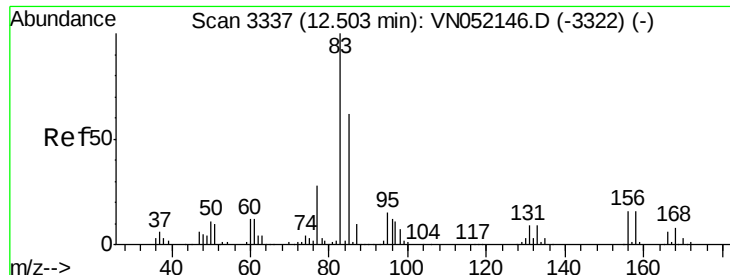
43 100

70 39.1 31.1 46.7

55 24.4 18.5 27.7

61 23.8 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.666 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

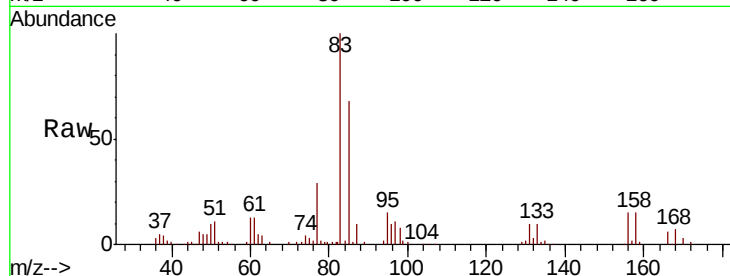
ClientSampleId :

VN1108WBS01

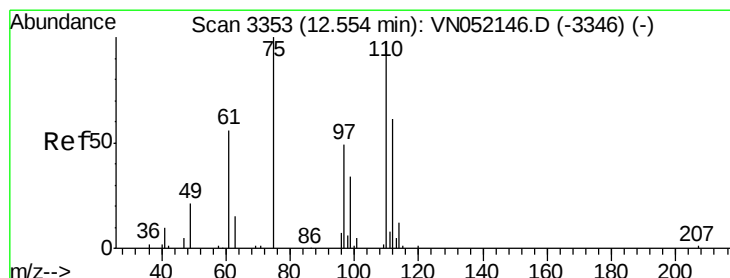
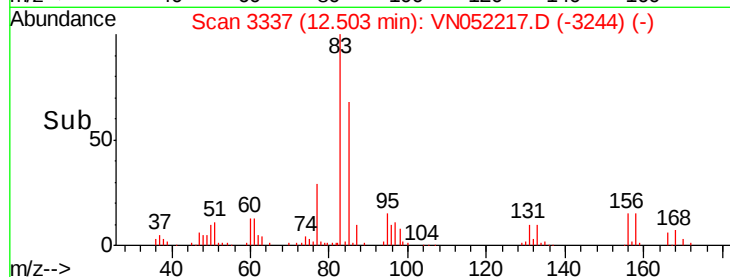
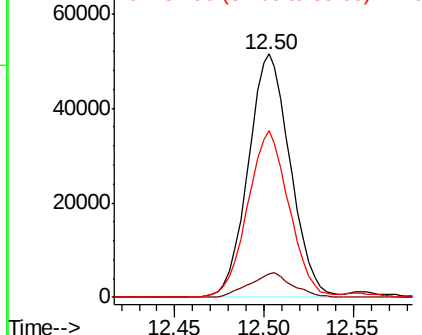
Tot Ion:	83	Resp:	84786
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	14.9
85	67.5	31.8	95.3

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Abundance Ion 82.90 (82.60 to 83.60): VN052217.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 16.636 ug/l m

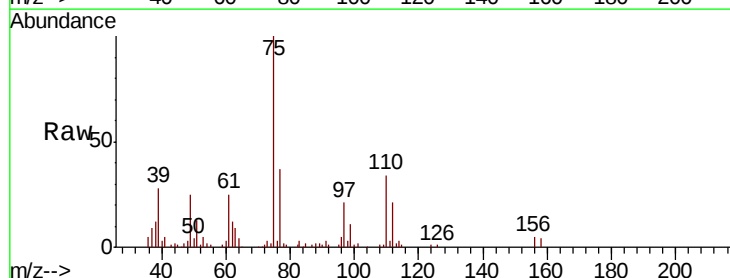
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

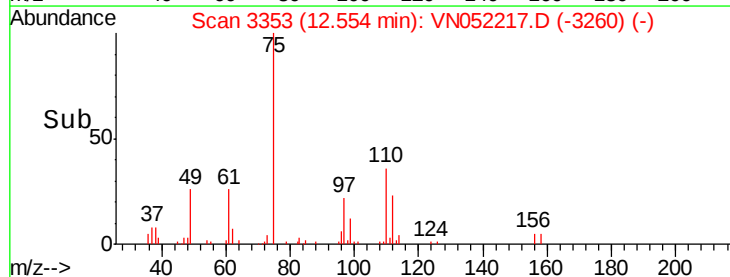
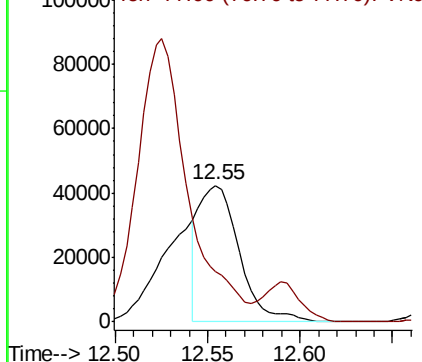
Lab File: VN052217.D

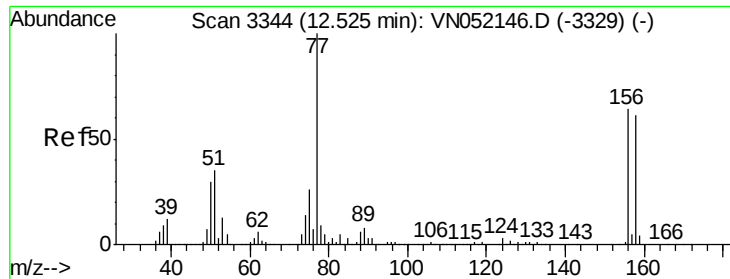
Acq: 8 Nov 2018 12:08

Tgt Ion:	75	Resp:	64902
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052217.D (-3353) (-)





#77

Bromobenzene

Concen: 19.363 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

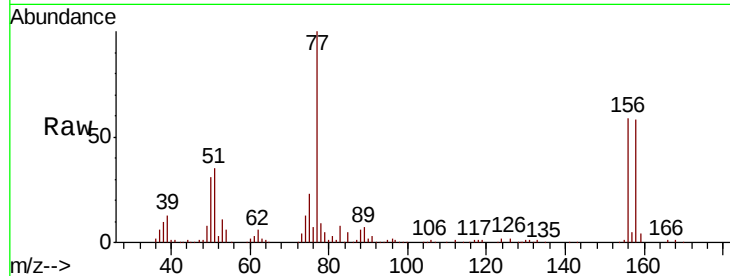
ClientSampleId :

VN1108WBS01

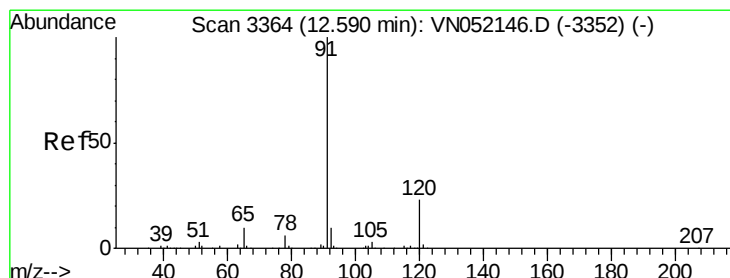
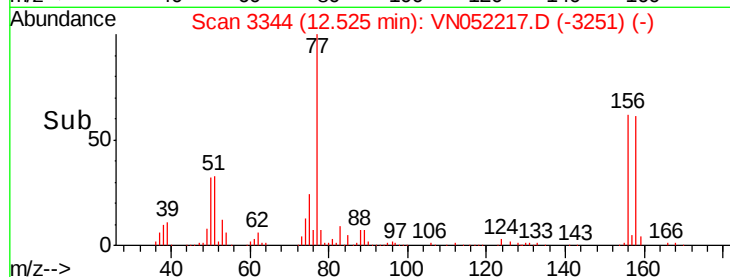
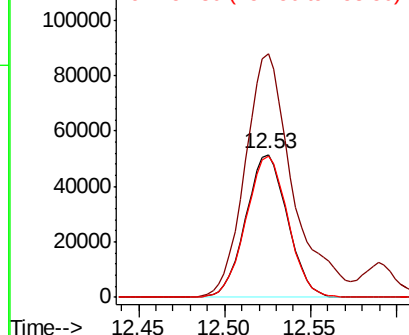
Tot Ion:	156	Resp:	86547
Ion	Ratio	Lower	Upper
156	100		
77	195.7	91.6	274.9
158	99.1	48.1	144.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.381 ug/l

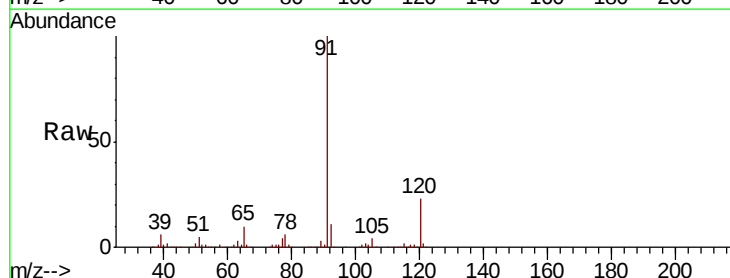
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

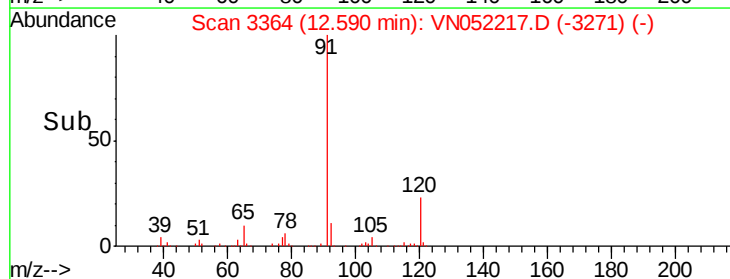
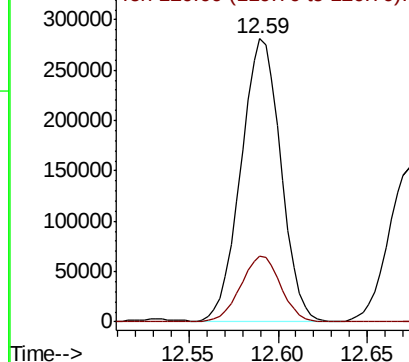
Lab File: VN052217.D

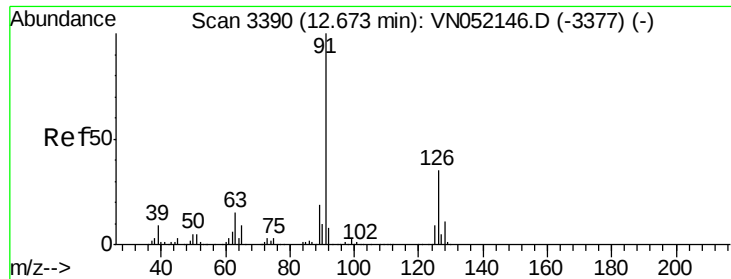
Acq: 8 Nov 2018 12:08

Tgt Ion:	91	Resp:	436575
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.316 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS01

Tot Ion: 91 Resp: 255200

Ion Ratio Lower Upper

91 100

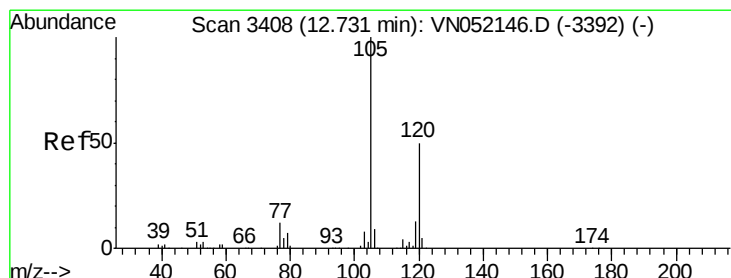
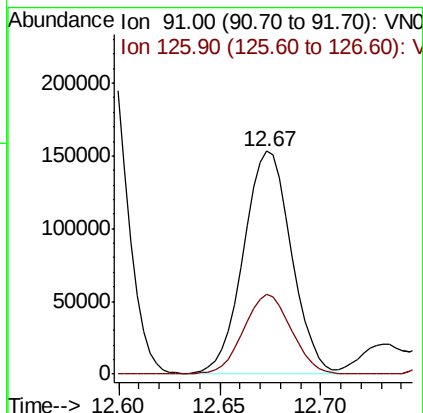
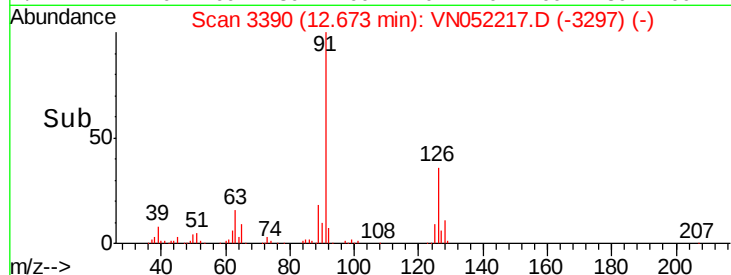
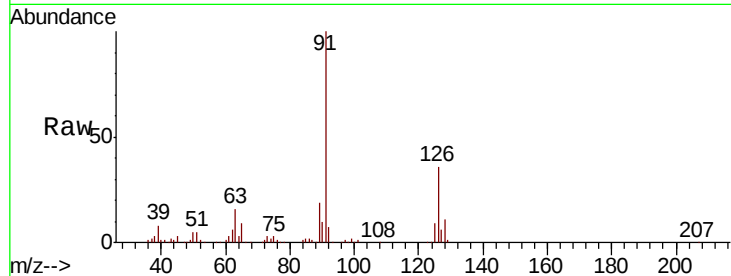
126 36.0 18.0 54.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.797 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052217.D

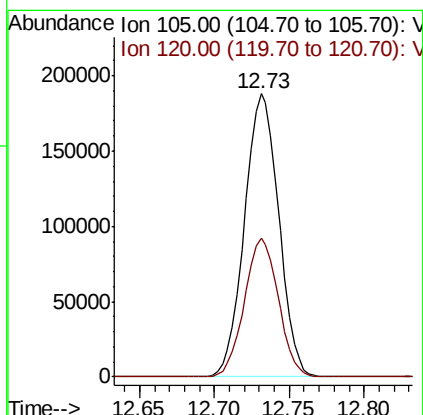
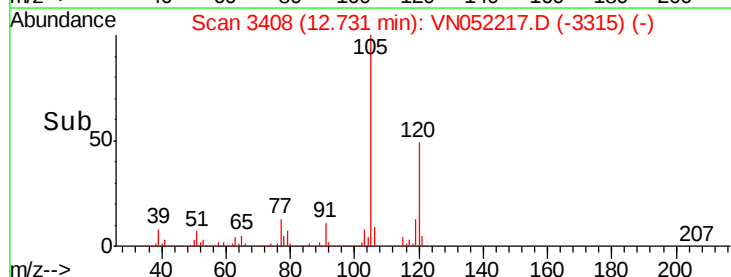
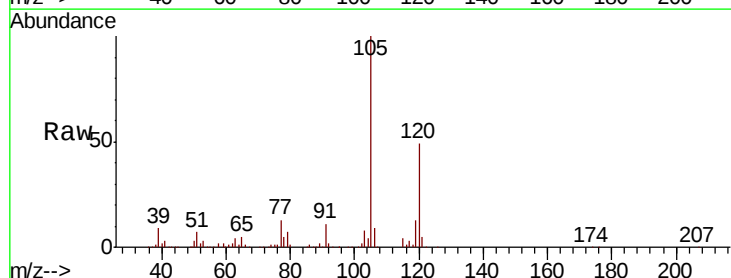
Acq: 8 Nov 2018 12:08

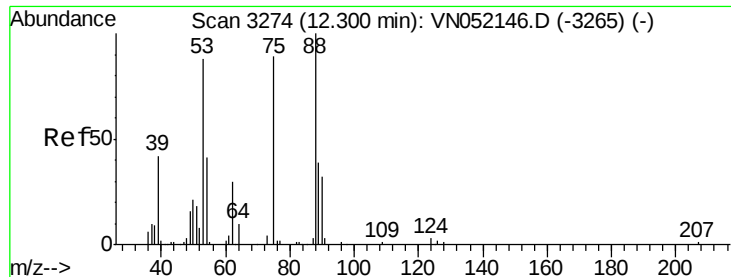
Tgt Ion: 105 Resp: 300353

Ion Ratio Lower Upper

105 100

120 48.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.692 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS01

Tot Ion: 75 Resp: 20365

Ion Ratio Lower Upper

75 100

53 112.1 79.4 119.0

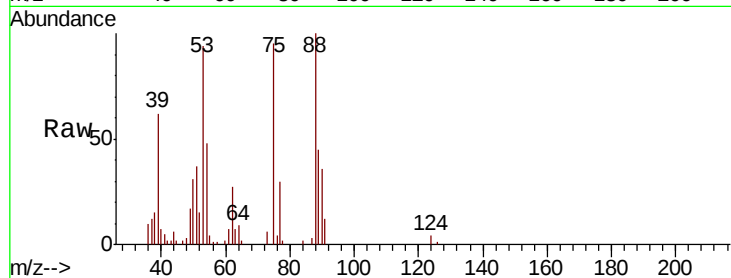
89 50.1 35.8 53.8

Manual Integrations

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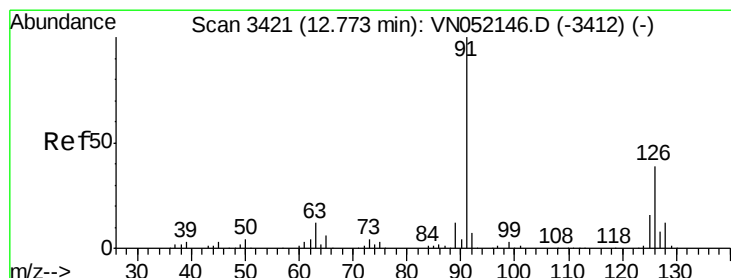
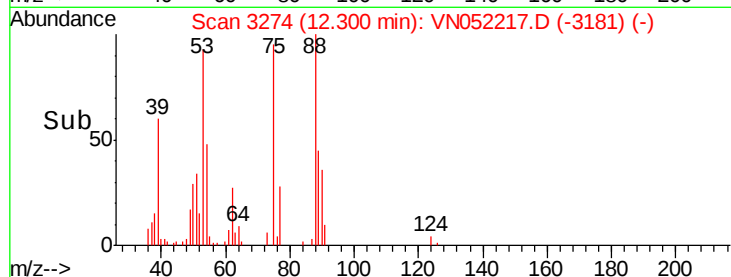
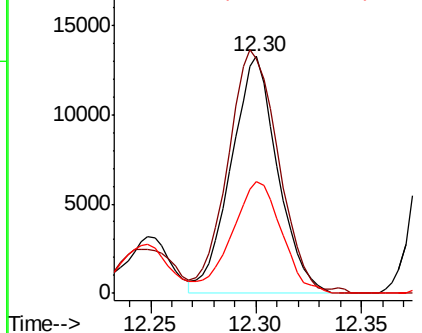
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.010 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052217.D

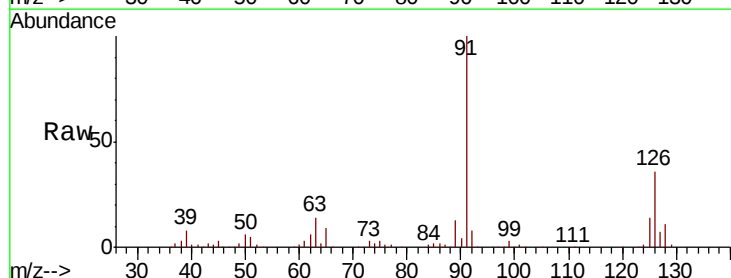
Acq: 8 Nov 2018 12:08

Tgt Ion: 91 Resp: 252637

Ion Ratio Lower Upper

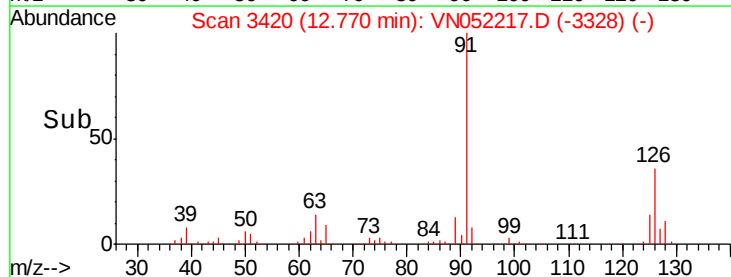
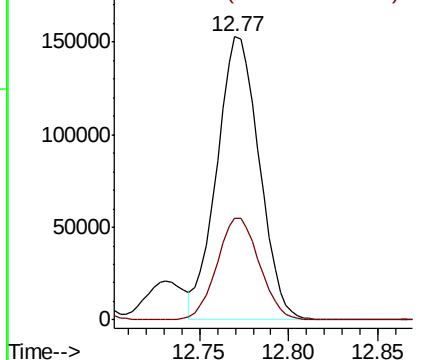
91 100

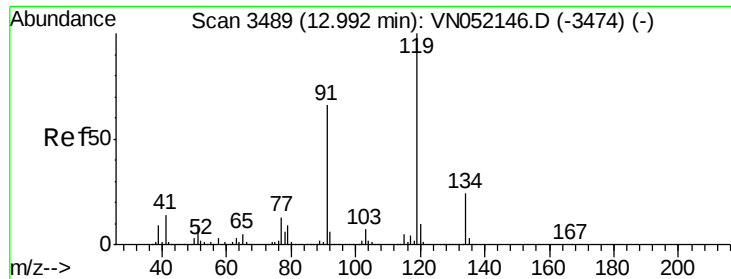
126 35.9 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





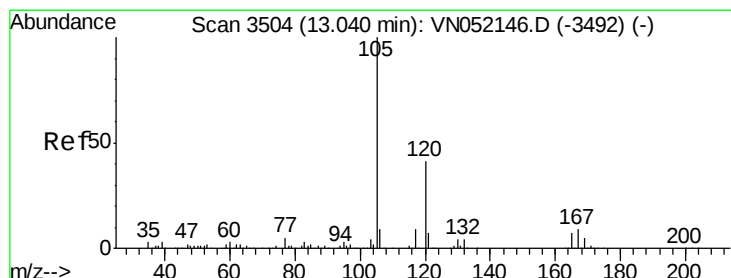
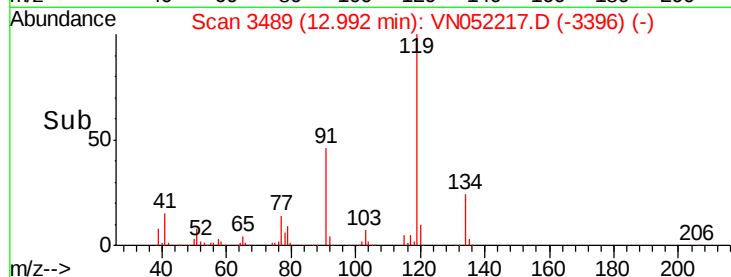
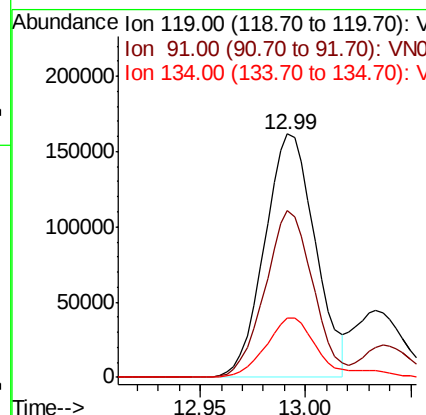
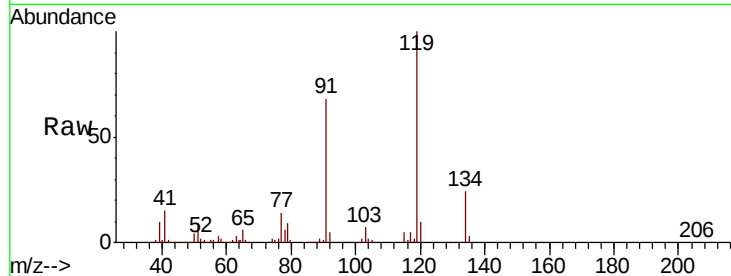
#83
tert-Butylbenzene
Concen: 20.174 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.3	96.8
134	24.5	13.0	38.9

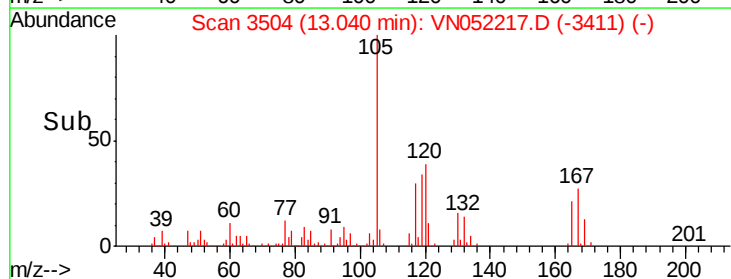
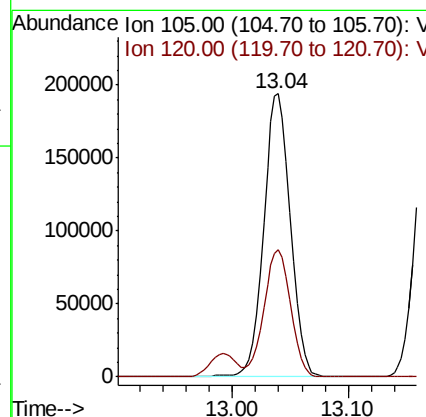
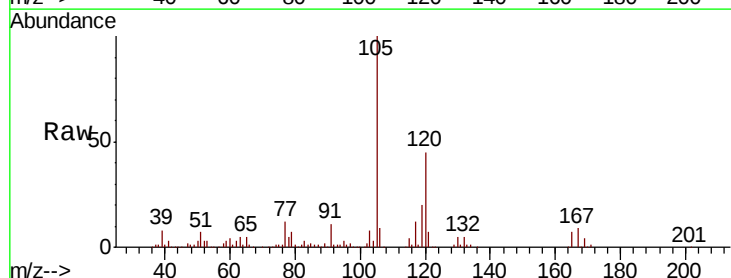
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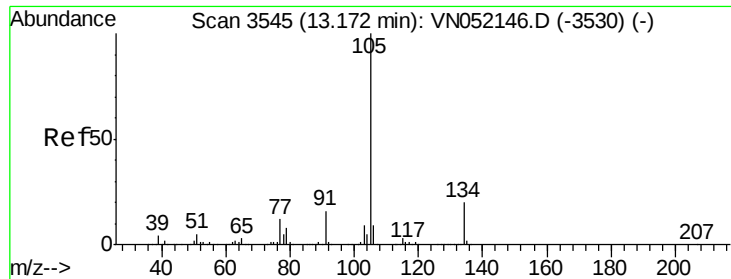
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#84
1,2,4-Trimethylbenzene
Concen: 20.518 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	23.2	69.5





#85

sec-Butylbenzene

Concen: 20.560 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS01

Tot Ion:105 Resp: 372437

Ion Ratio Lower Upper

105 100

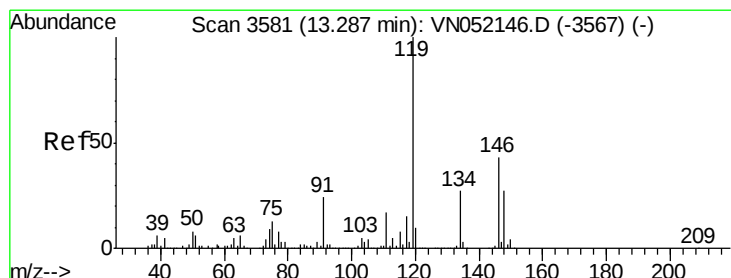
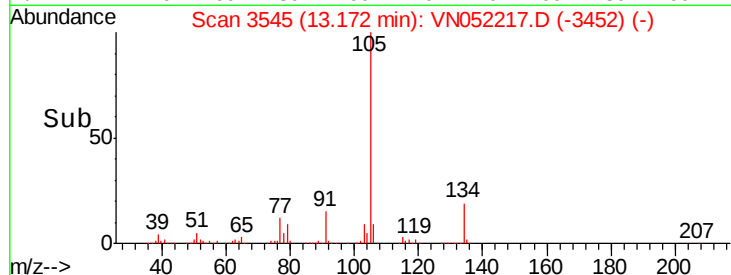
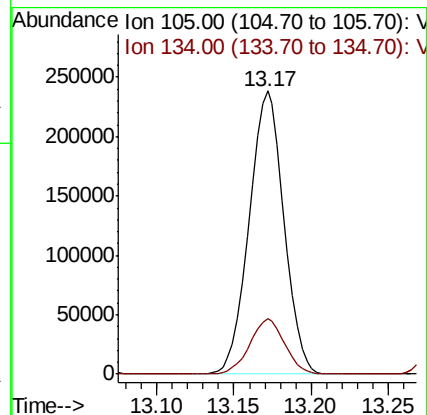
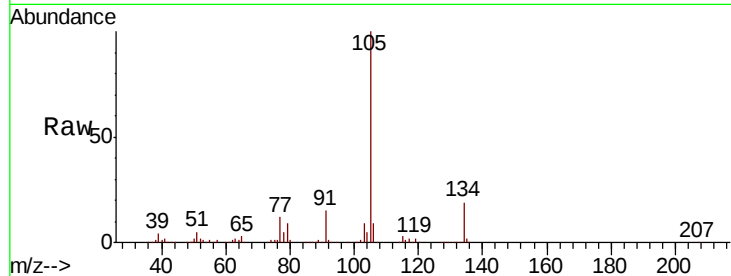
134 19.6 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.422 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

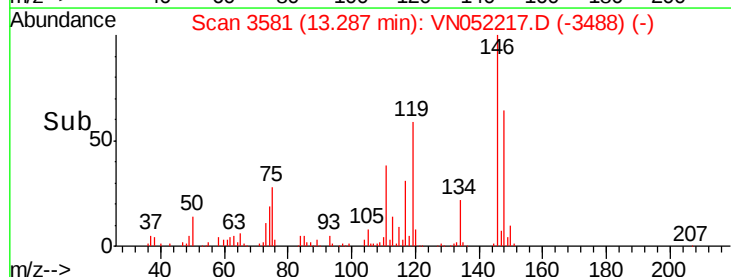
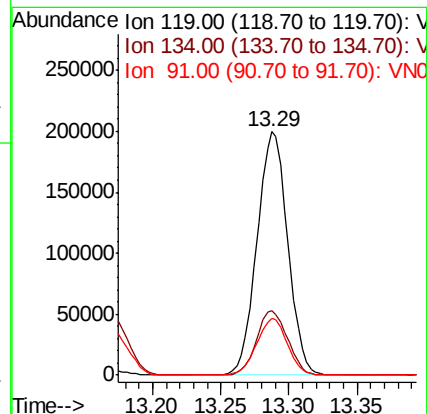
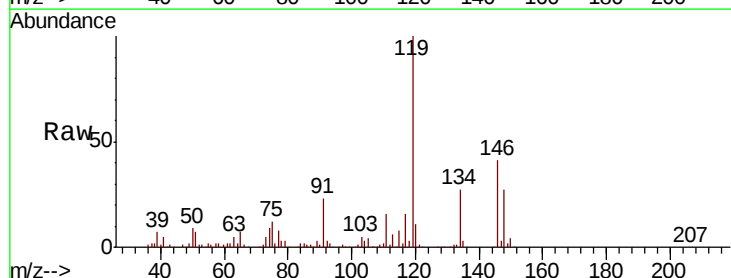
Tgt Ion:119 Resp: 311381

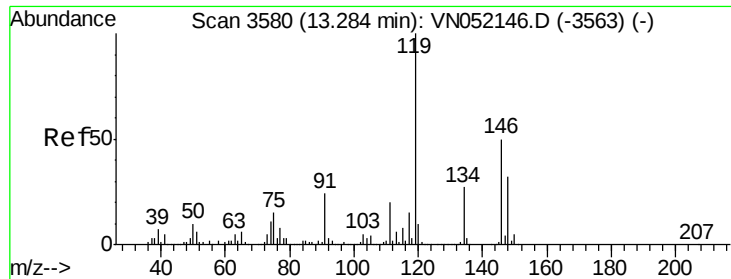
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 23.3 11.9 35.7





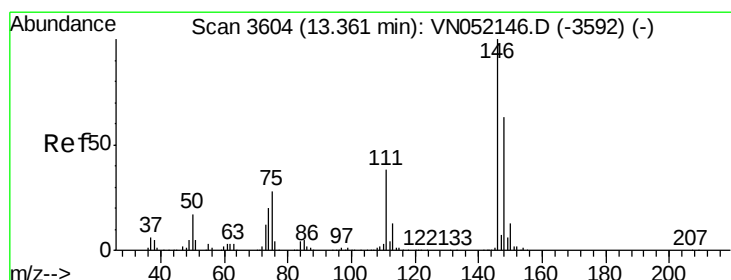
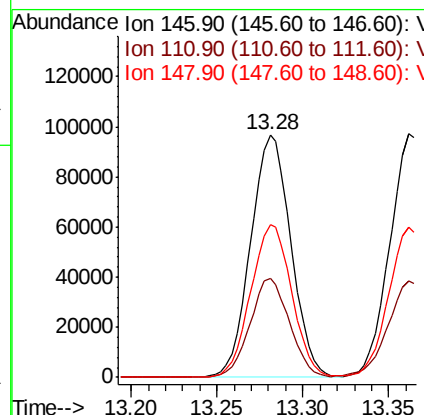
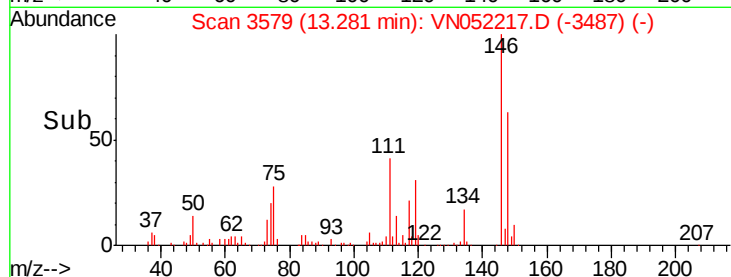
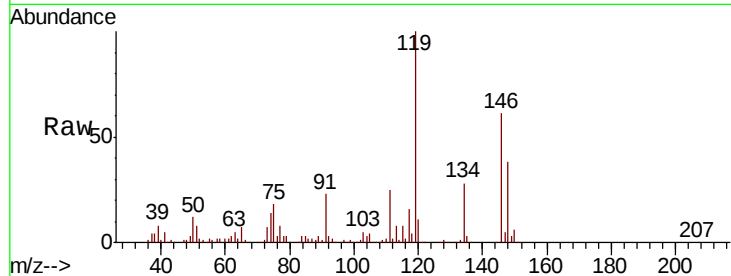
#87
 1,3-Dichlorobenzene
 Concen: 19.886 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.6
148	64.0	32.1	96.3

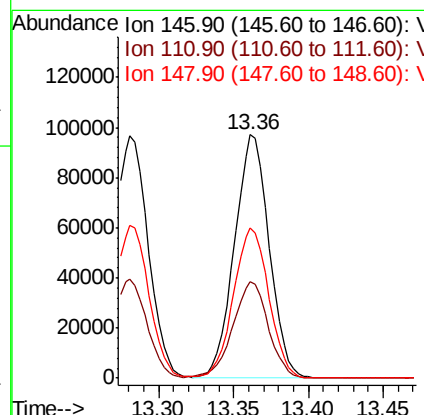
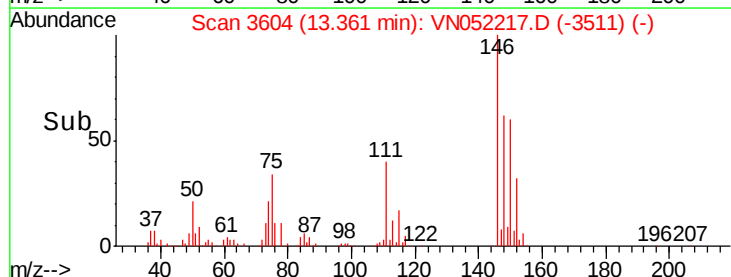
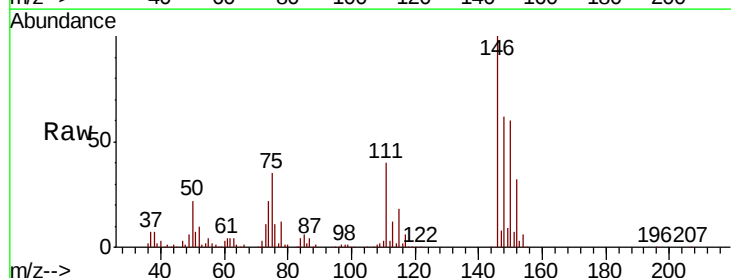
Manual Integrations
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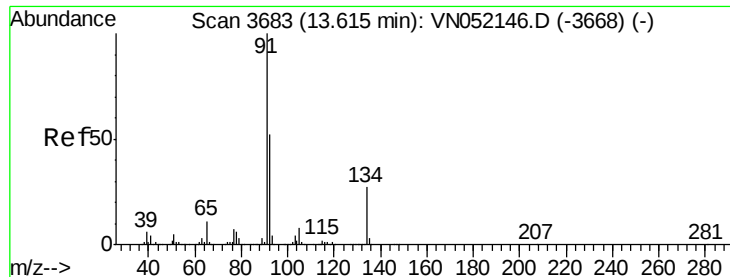
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#88
 1,4-Dichlorobenzene
 Concen: 19.848 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.4	58.1
148	63.0	31.5	94.5





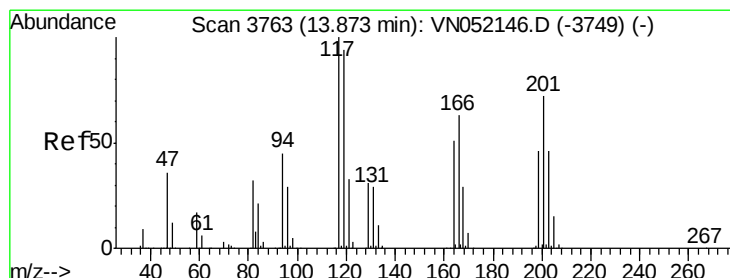
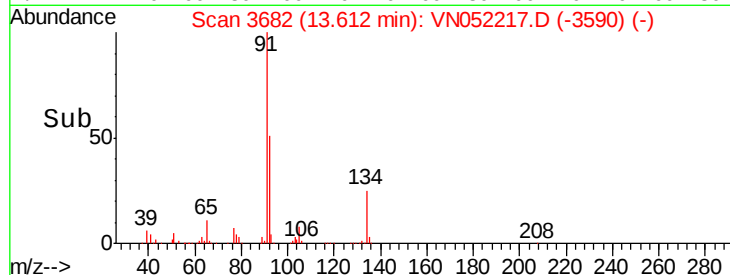
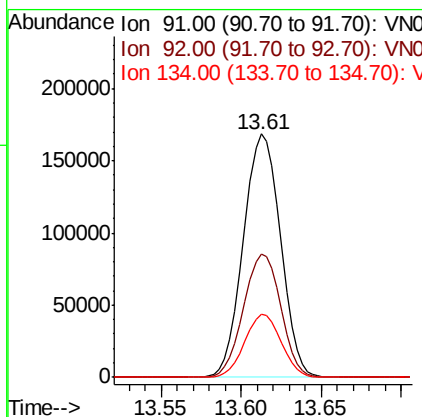
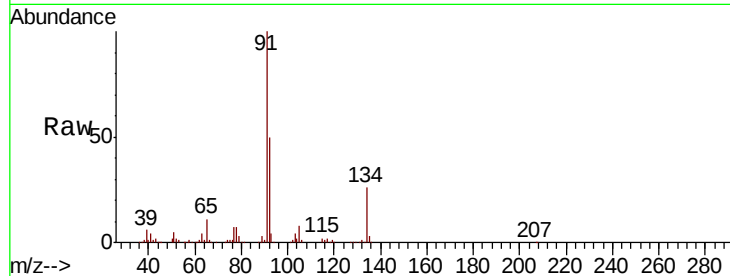
#89
n-Butylbenzene
Concen: 20.237 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Instrument :
MSVOA_N
ClientSampled :
VN1108WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.3	78.8
134	25.5	13.4	40.2

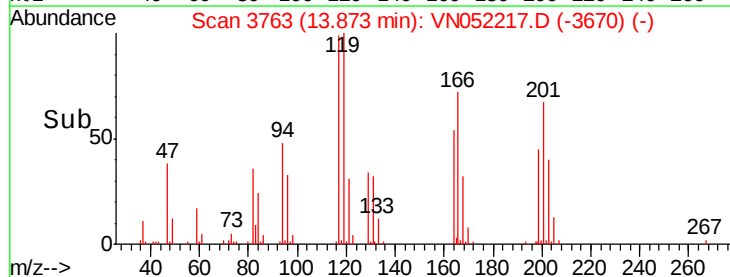
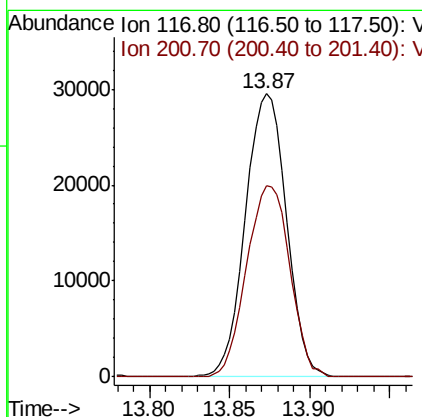
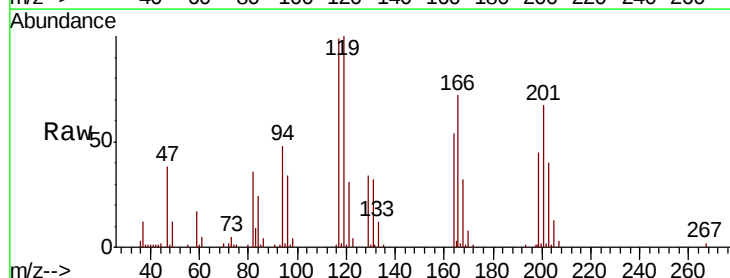
Manual Integrations
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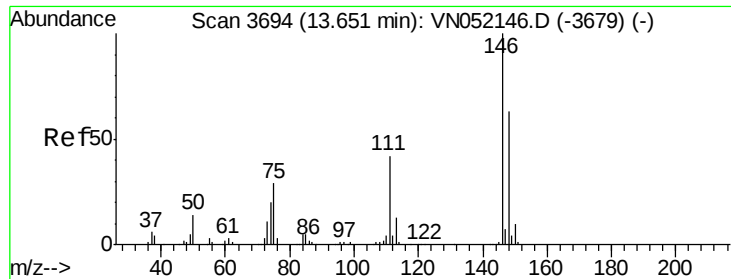
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#90
Hexachloroethane
Concen: 20.159 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052217.D
Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	36.8	110.3





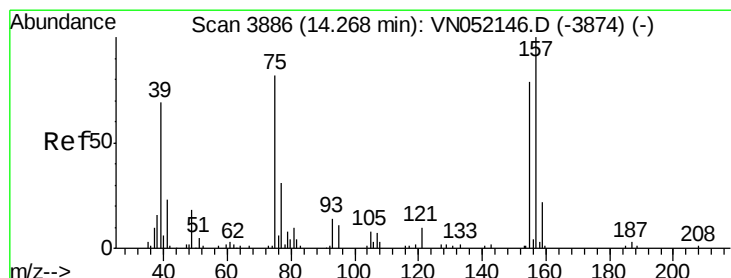
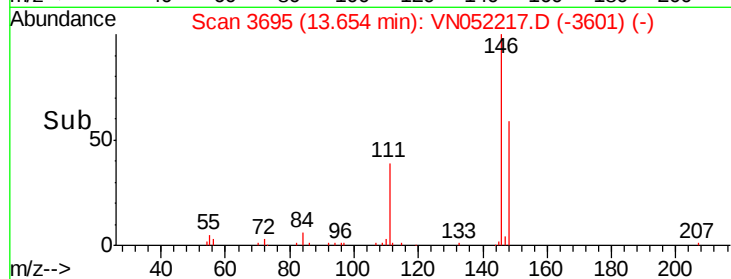
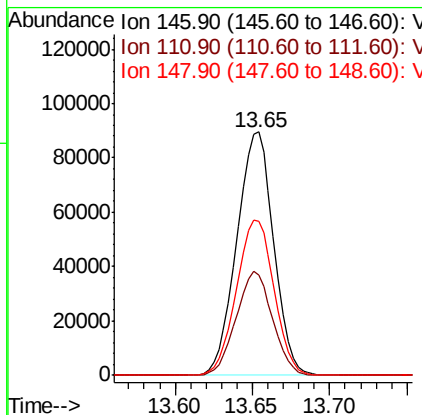
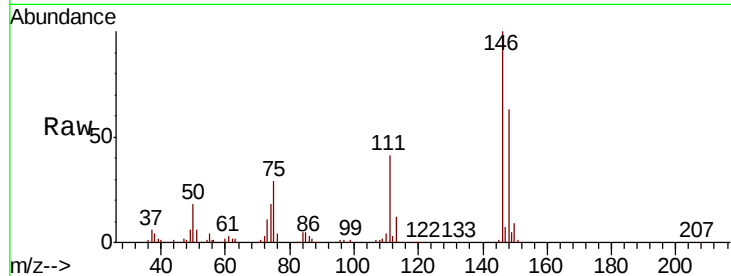
#91
 1,2-Dichlorobenzene
 Concen: 20.006 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.1
148	65.0	31.4	94.3

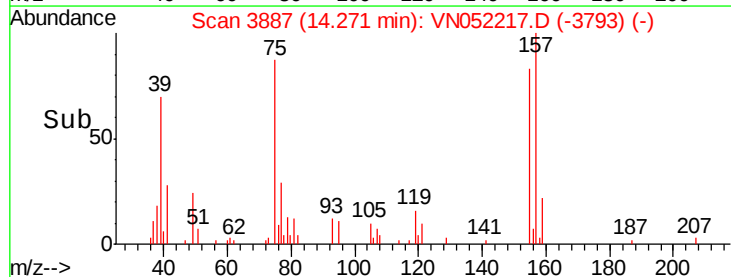
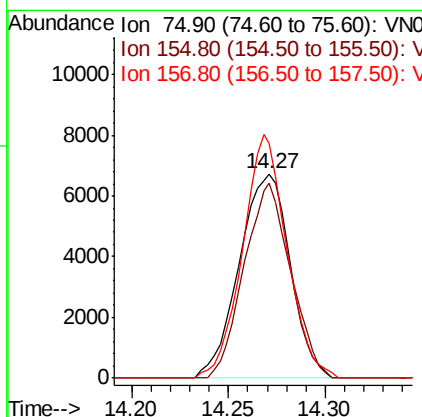
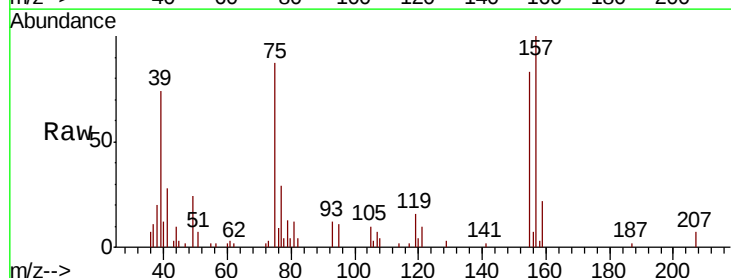
Manual Integrations
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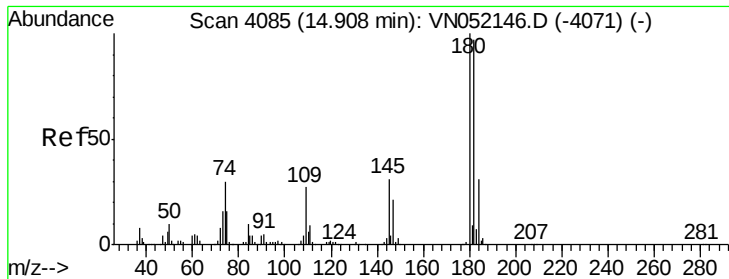
MMDadoda
 11/9/2018 11:49:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.709 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	47.4	142.2
157	103.9	60.3	180.8





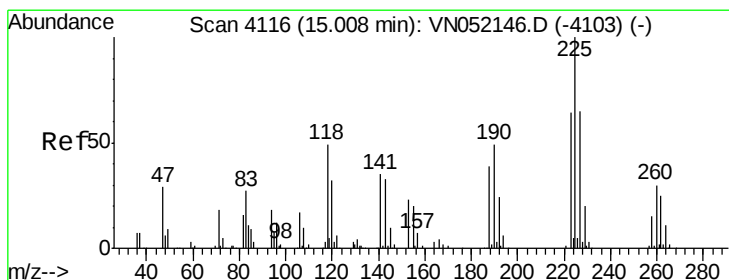
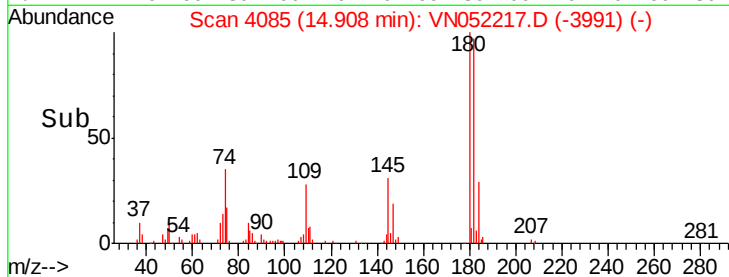
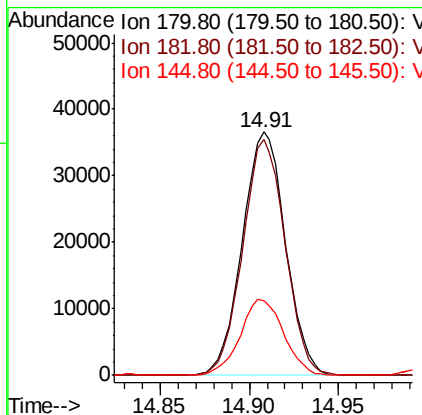
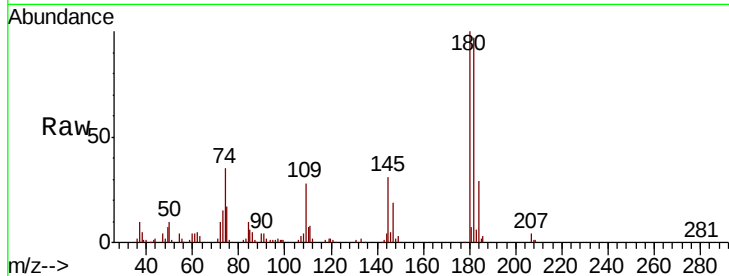
#93
 1,2,4-Trichlorobenzene
 Concen: 19.094 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.1	144.4
145	31.4	15.3	45.9

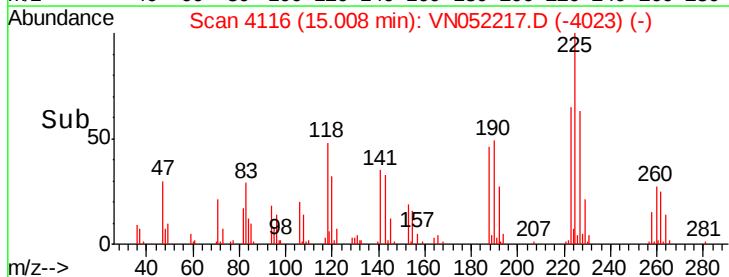
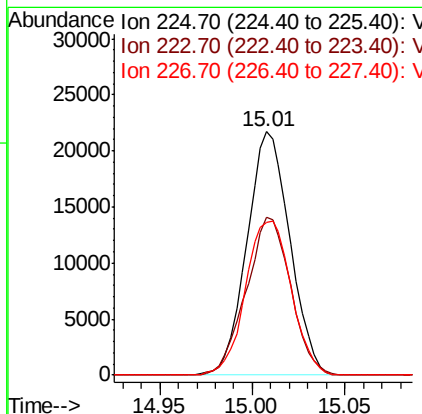
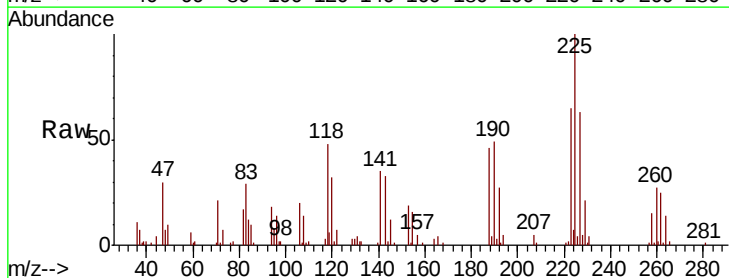
Manual Integrations
 APPROVED

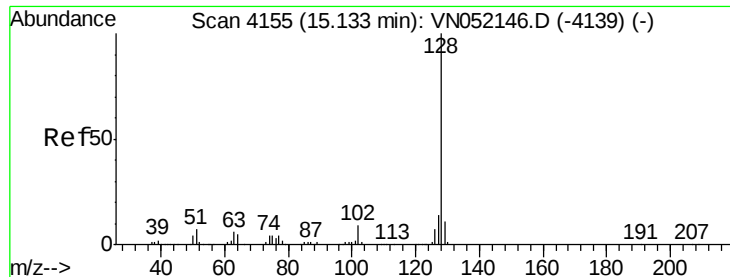
MMDadoda
 11/9/2018 11:49:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.800 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052217.D
 Acq: 8 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.1	32.3	96.8
227	67.2	31.6	94.8





#95

Naphthalene

Concen: 19.323 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Instrument :

MSVOA_N

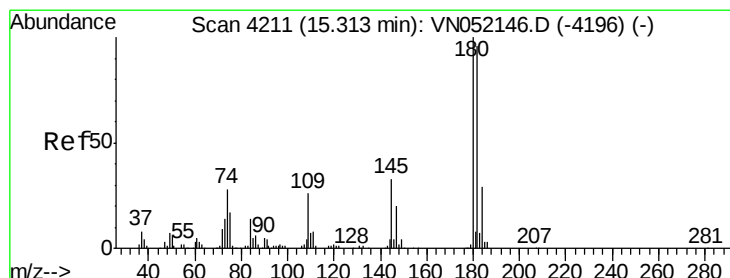
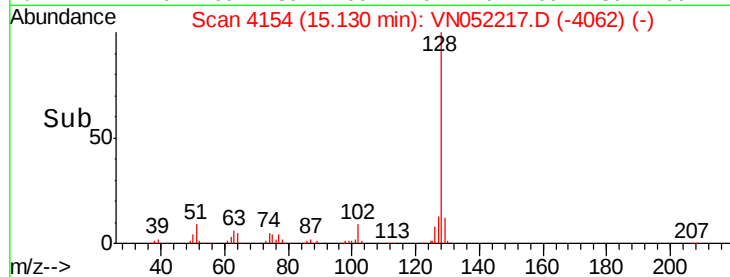
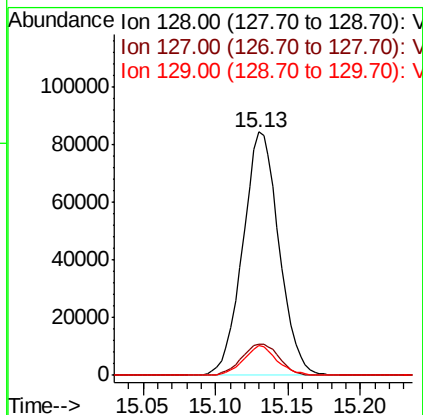
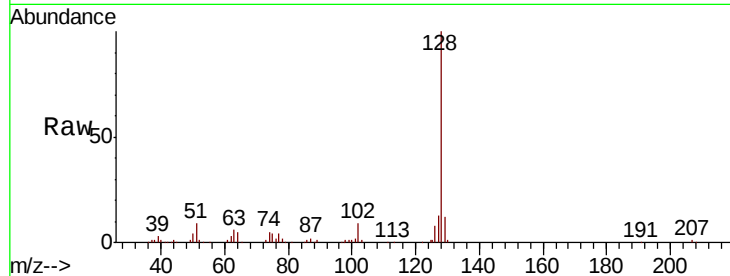
ClientSampleId :

VN1108WBS01

Tot Ion:	128	Resp:	146686
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.8	16.2
129	11.1	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
11/9/2018 11:49:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.952 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052217.D

Acq: 8 Nov 2018 12:08

Tgt Ion:	180	Resp:	56826
Ion Ratio	Lower	Upper	
180	100		
182	94.3	46.6	139.7
145	32.4	16.7	50.0

