

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
 Data File : VN052066.D
 Acq On : 31 Oct 2018 11:12
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 1:11:01 PM

Quant Time: Oct 31 14:19:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	344648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	605344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	546893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245308	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	215919	39.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.08%	
35) Dibromofluoromethane	7.59	113	186362	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.09	98	711793	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
62) 4-Bromofluorobenzene	12.40	95	256466	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	234475	55.97	ug/l	100
3) Chloromethane	2.06	50	239528	45.37	ug/l	98
4) Vinyl Chloride	2.19	62	244943	43.10	ug/l	98
5) Bromomethane	2.57	94	166506	39.06	ug/l	99
6) Chloroethane	2.71	64	149383	40.71	ug/l	97
7) Trichlorofluoromethane	3.02	101	326664	50.34	ug/l	96
8) Diethyl Ether	3.41	74	112416	46.44	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.77	101	200086	52.26	ug/l	96
10) Methyl Iodide	3.96	142	262277	52.27	ug/l	99
11) Tert butyl alcohol	4.78	59	69849	252.21	ug/l #	76
12) 1,1-Dichloroethene	3.74	96	176951	48.94	ug/l	98
13) Acrolein	3.61	56	53027	196.10	ug/l	94
14) Allyl chloride	4.33	41	326541	45.13	ug/l	95
15) Acrylonitrile	4.99	53	356572	225.21	ug/l	99
16) Acetone	3.82	43	272557	230.88	ug/l	97
17) Carbon Disulfide	4.06	76	531375	46.64	ug/l	98
18) Methyl Acetate	4.32	43	158527	42.18	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	529579	44.59	ug/l	97
20) Methylene Chloride	4.55	84	210917	46.89	ug/l	93
21) trans-1,2-Dichloroethene	5.05	96	202594	49.14	ug/l	93
22) Diisopropyl ether	5.95	45	673877	43.09	ug/l	98
23) Vinyl Acetate	5.90	43	2439292	225.10	ug/l	98
24) 1,1-Dichloroethane	5.85	63	382303	43.72	ug/l	98
25) 2-Butanone	6.83	43	427628	230.95	ug/l	96
26) 2,2-Dichloropropane	6.82	77	320377	46.13	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	230023	46.72	ug/l	95
28) Bromochloromethane	7.20	49	171460	39.56	ug/l	88
29) Tetrahydrofuran	7.21	42	281345	228.07	ug/l	98
30) Chloroform	7.37	83	394573	45.20	ug/l	95
31) Cyclohexane	7.65	56	363343	44.51	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	343280	48.90	ug/l	96
36) 1,1-Dichloropropene	7.80	75	306594	49.81	ug/l	97
37) Ethyl Acetate	6.93	43	198903	48.28	ug/l	98
38) Carbon Tetrachloride	7.78	117	303802	57.24	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380027	52.03	ug/l	96
40) Benzene	8.04	78	878759	49.36	ug/l	100
41) Methacrylonitrile	7.17	41	88485	41.64	ug/l #	73
42) 1,2-Dichloroethane	8.13	62	288627	43.93	ug/l	98
43) Isopropyl Acetate	8.16	43	352988	48.17	ug/l #	88
44) Trichloroethene	8.84	130	228190	57.31	ug/l	88
45) 1,2-Dichloropropane	9.12	63	231580	45.66	ug/l	97
46) Dibromomethane	9.21	93	146968	51.85	ug/l	92
47) Bromodichloromethane	9.40	83	295810	50.04	ug/l	95
48) Methyl methacrylate	9.20	41	175053	47.12	ug/l	99
49) 1,4-Dioxane	9.20	88	40108	1280.32	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	986104	247.59	ug/l	99
52) Toluene	10.16	92	551833	51.35	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	309278	49.48	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	350265	50.46	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	192535	50.30	ug/l	97
56) Ethyl methacrylate	10.43	69	267900	48.93	ug/l	97
57) 1,3-Dichloropropane	10.71	76	339428	48.19	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	690300	237.01	ug/l	94
59) 2-Hexanone	10.75	43	702034	247.35	ug/l	99
60) Dibromochloromethane	10.90	129	222247	58.98	ug/l	99
61) 1,2-Dibromoethane	11.01	107	200373	52.66	ug/l	98
64) Tetrachloroethene	10.63	164	189922	57.32	ug/l	95
65) Chlorobenzene	11.43	112	616233	53.50	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	212283	58.69	ug/l	99
67) Ethyl Benzene	11.51	91	1075844	52.37	ug/l	96
68) m/p-Xylenes	11.62	106	827838	112.59	ug/l	94
69) o-Xylene	11.95	106	392961	54.01	ug/l	98
70) Styrene	11.96	104	651002	55.30	ug/l	97
71) Bromoform	12.13	173	128958	55.24	ug/l #	98
73) Isopropylbenzene	12.25	105	1066489	50.84	ug/l	97
74) N-amyl acetate	12.07	43	325755	44.50	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	234912	46.70	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	223405m	49.75	ug/l	
77) Bromobenzene	12.53	156	239150	54.49	ug/l	83
78) n-propylbenzene	12.59	91	1233875	48.54	ug/l	97
79) 2-Chlorotoluene	12.67	91	711643	48.03	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	864494	50.64	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	68146	50.37	ug/l	96
82) 4-Chlorotoluene	12.77	91	734768	48.63	ug/l	95
83) tert-Butylbenzene	12.99	119	745848	52.01	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	867217	51.04	ug/l	97
85) sec-Butylbenzene	13.17	105	1036577	50.60	ug/l	96
86) p-Isopropyltoluene	13.29	119	894740	53.63	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	432241	54.00	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	429925	53.59	ug/l	96
89) n-Butylbenzene	13.61	91	786601	49.44	ug/l	98
90) Hexachloroethane	13.88	117	150328	52.58	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	405289	53.86	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35146	48.50	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	179400	64.02	ug/l	96
94) Hexachlorobutadiene	15.01	225	91809	58.54	ug/l	95
95) Naphthalene	15.13	128	443260	63.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	154728	63.98	ug/l	99

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

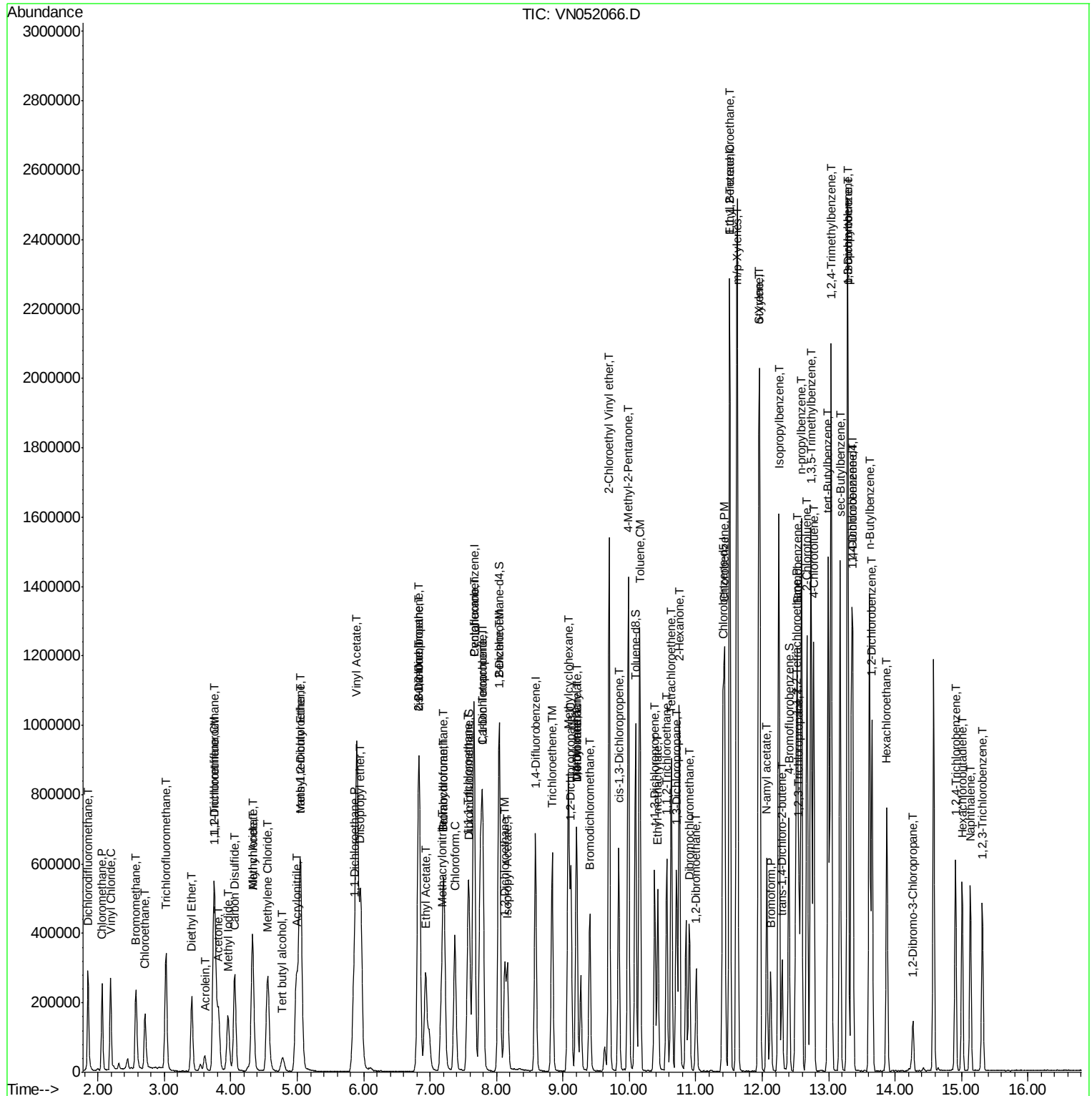
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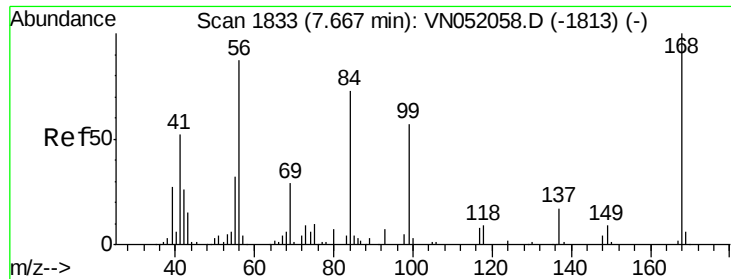
Instrument :
MSVOA_N
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 344648

Ion Ratio Lower Upper

168 100

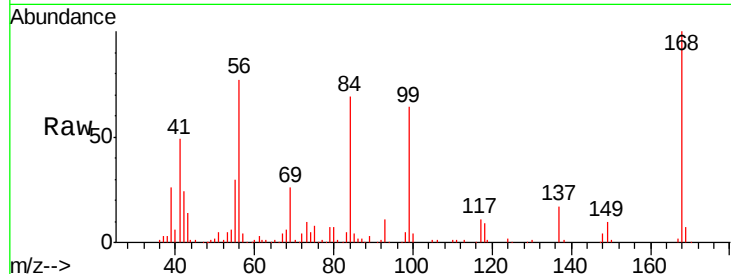
99 63.5 56.6 85.0

Manual Integrations

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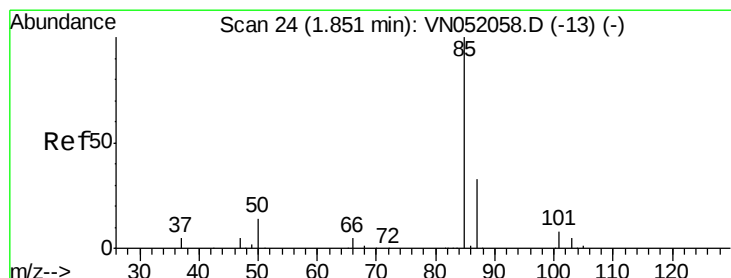
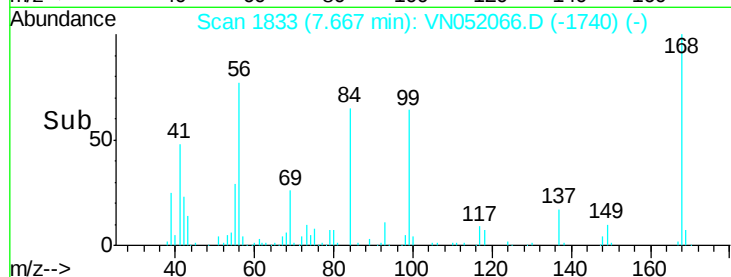
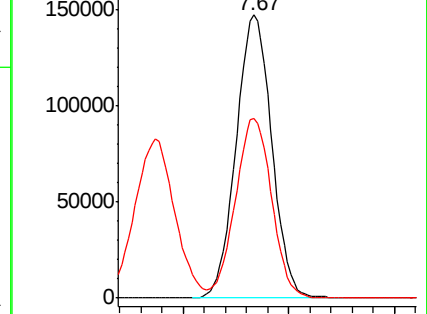
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 55.97 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052066.D

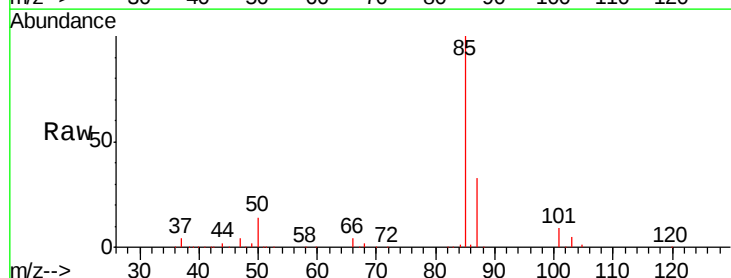
Acq: 31 Oct 2018 11:12

Tgt Ion: 85 Resp: 234475

Ion Ratio Lower Upper

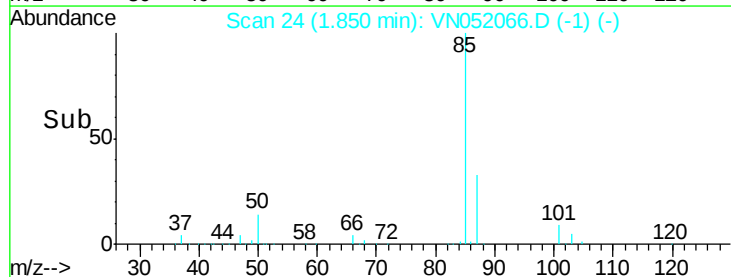
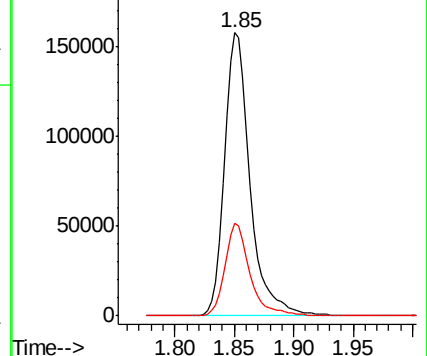
85 100

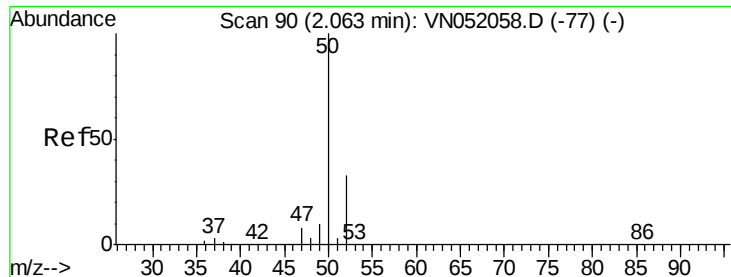
87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 45.37 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 239528

Ion Ratio Lower Upper

50 100

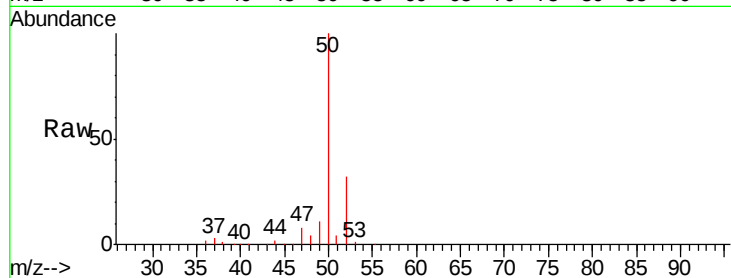
52 32.2 26.6 39.8

Manual Integrations

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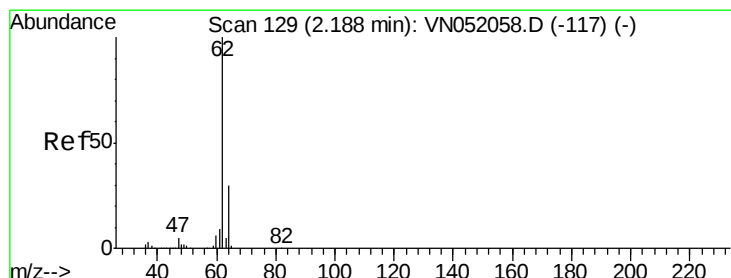
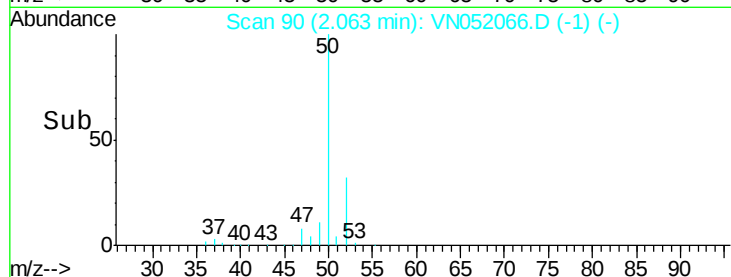
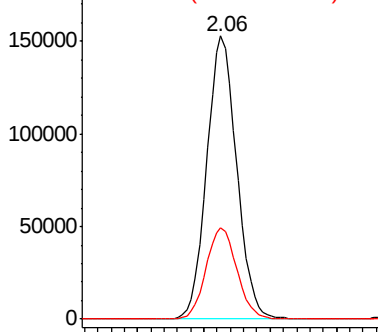
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 43.10 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052066.D

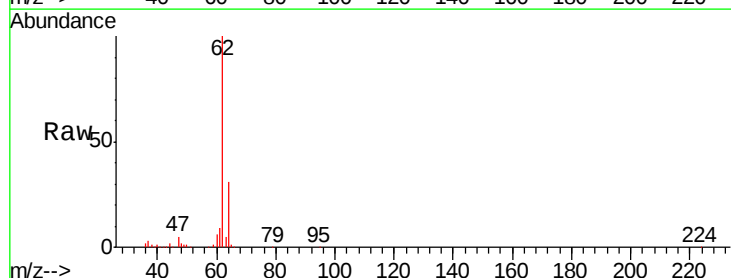
Acq: 31 Oct 2018 11:12

Tgt Ion: 62 Resp: 244943

Ion Ratio Lower Upper

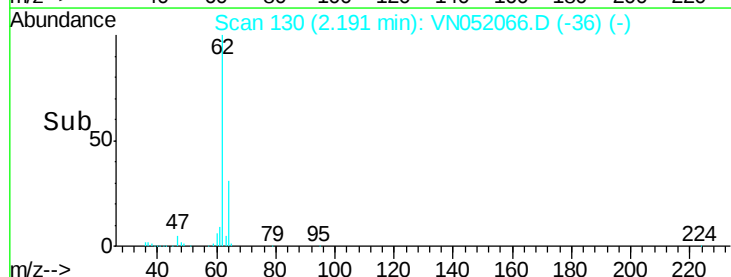
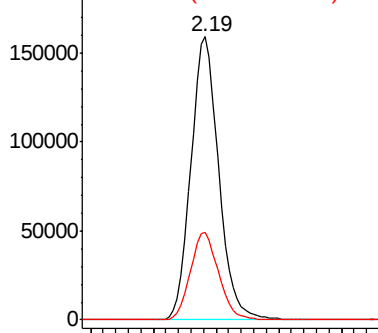
62 100

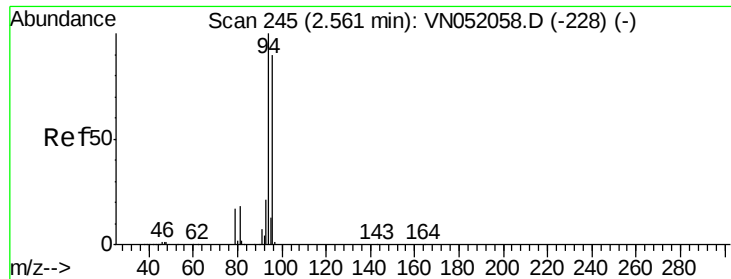
64 30.7 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 39.06 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

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Tgt Ion: 94 Resp: 166506

Ion Ratio Lower Upper

94 100

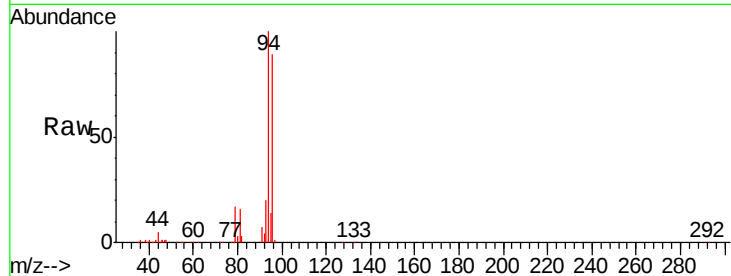
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Manual Integrations

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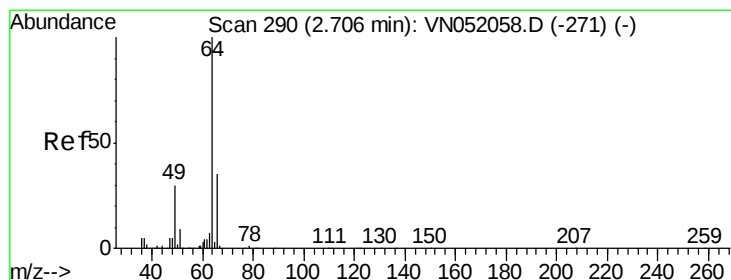
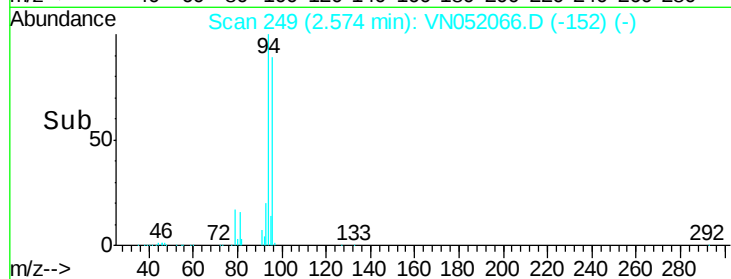
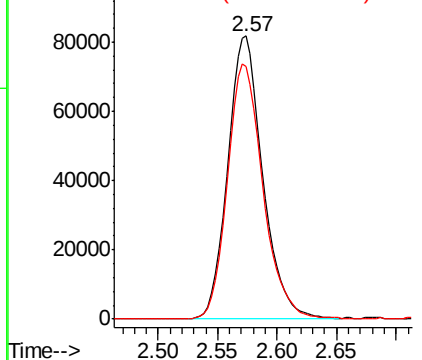
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 40.71 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052066.D

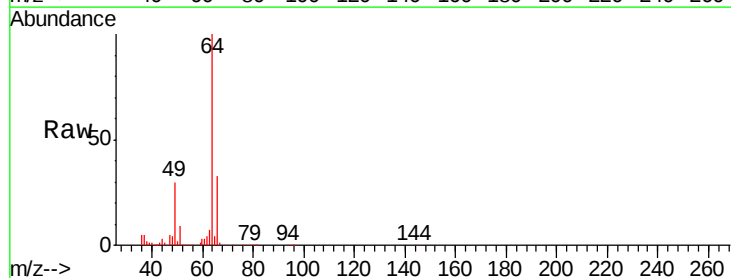
Acq: 31 Oct 2018 11:12

Tgt Ion: 64 Resp: 149383

Ion Ratio Lower Upper

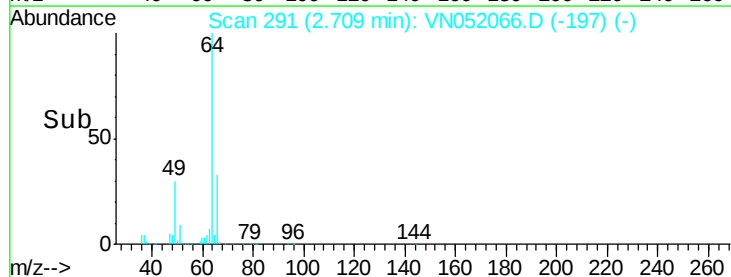
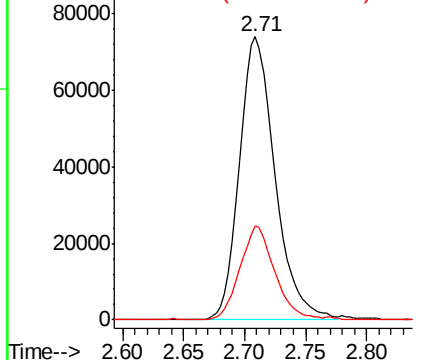
64 100

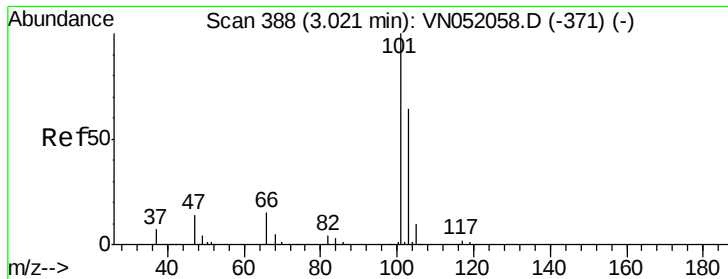
66 33.0 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

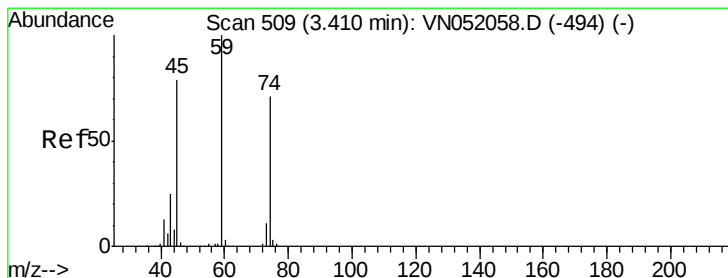
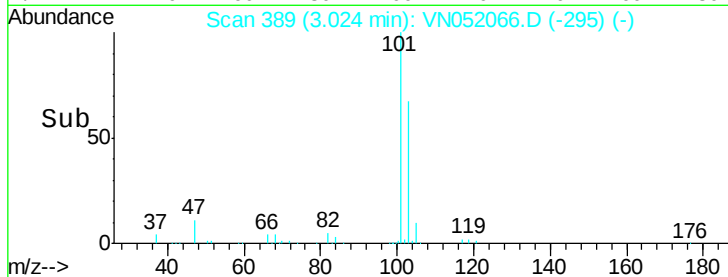
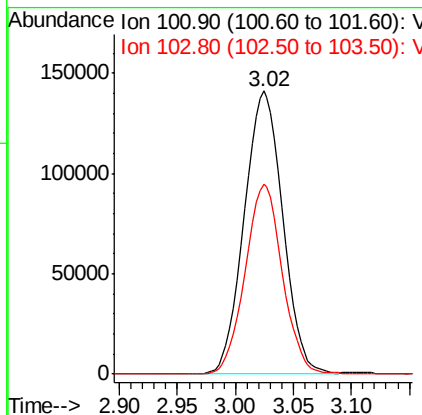
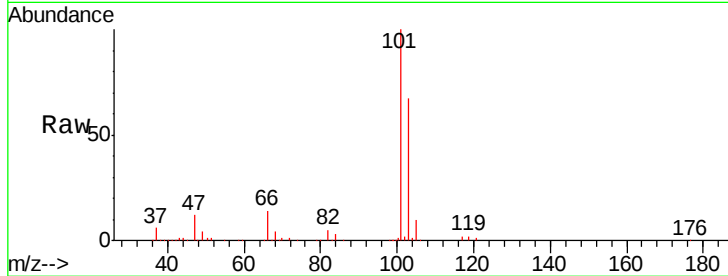
Trichlorofluoromethane
 Concen: 50.34 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.0	76.4

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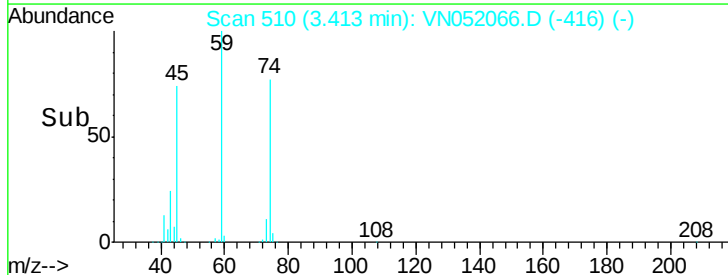
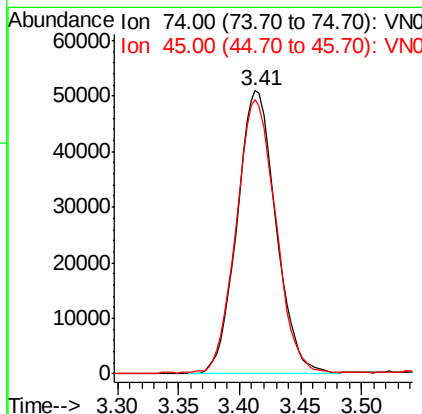
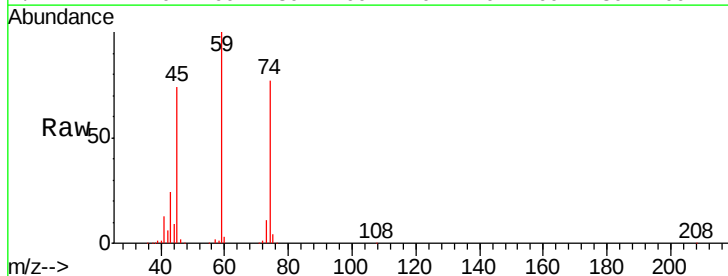
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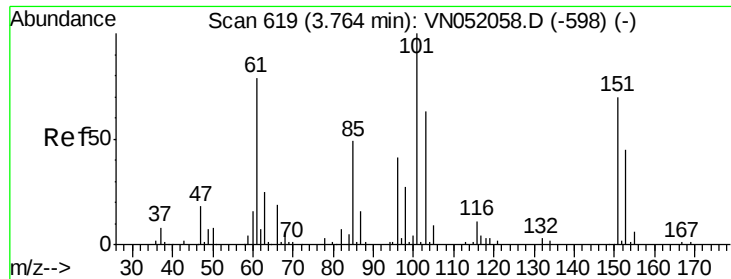


#8

Diethyl Ether
 Concen: 46.44 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	55.6	166.8





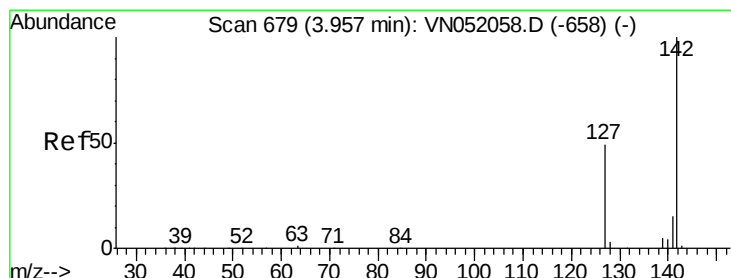
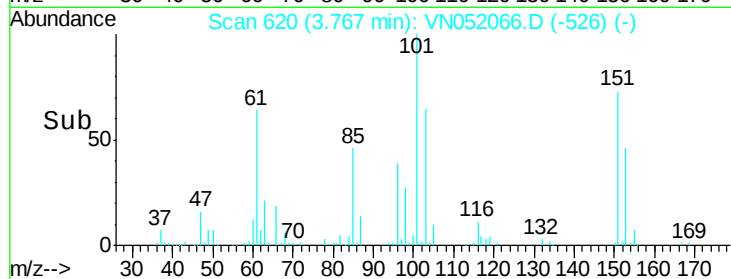
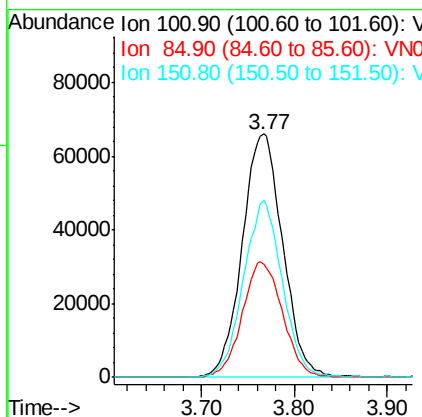
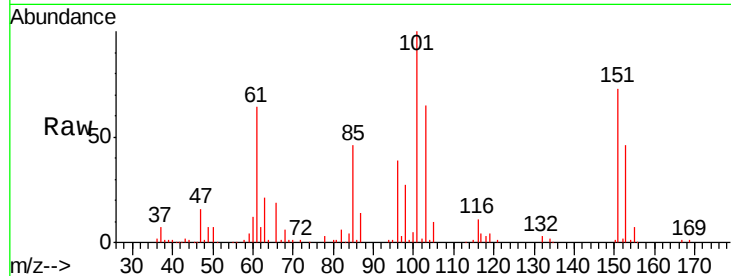
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.26 ug/l
RT: 3.77 min Scan# 620
Delta R.T. 0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.6	58.0
151	69.7	52.6	78.8

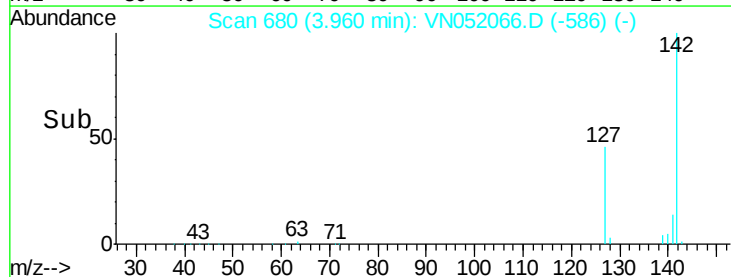
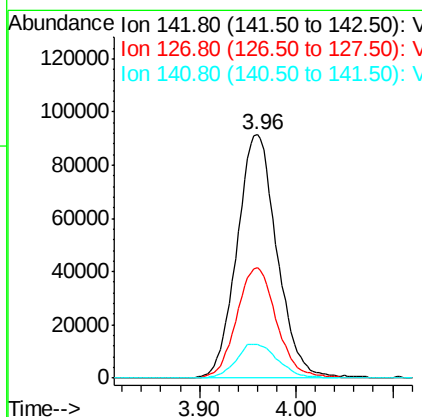
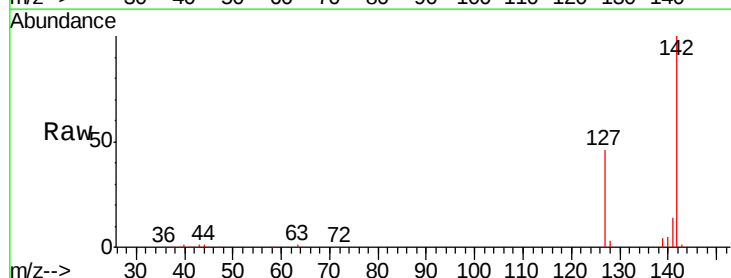
Manual Integrations
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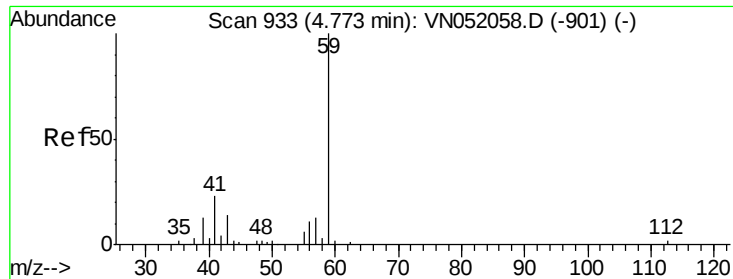
MMDadoda
11/2/2018 1:11:01 PM



#10
Methyl Iodide
Concen: 52.27 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.5	37.3	55.9
141	14.6	11.4	17.2





#11

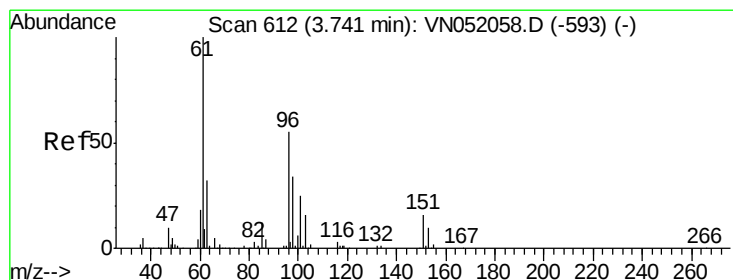
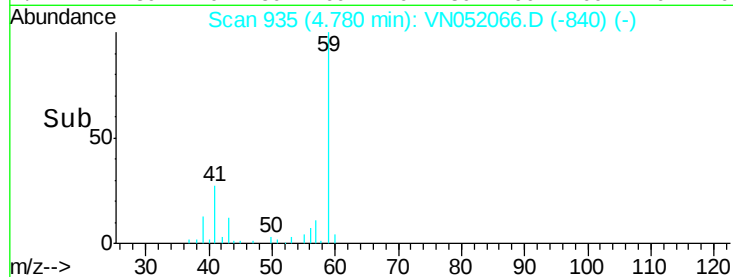
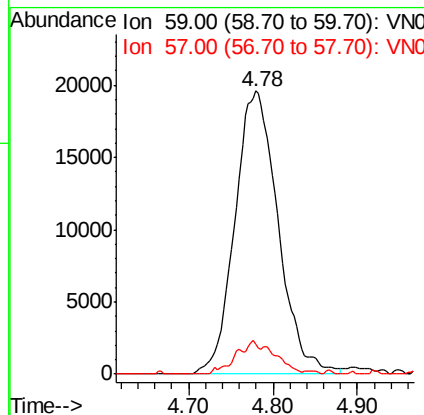
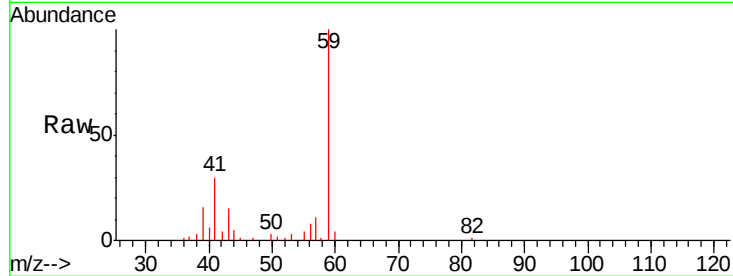
Tert butyl alcohol
Concen: 252.21 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.0	10.6#

Manual Integrations
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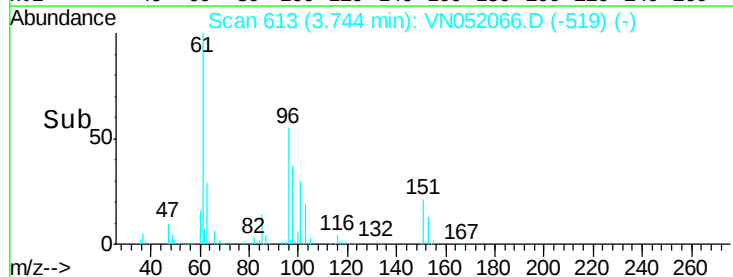
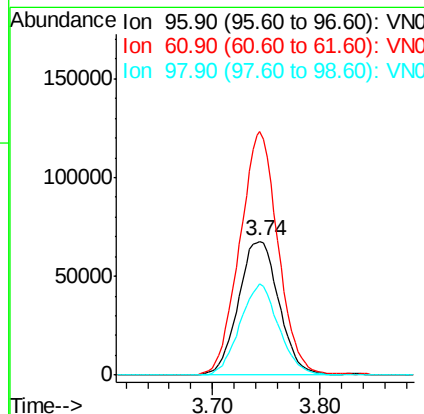
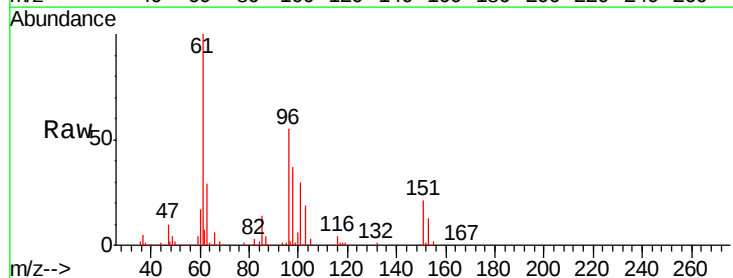
MMDadoda
11/2/2018 1:11:01 PM

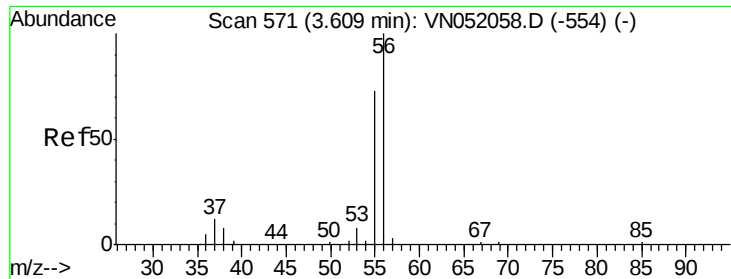


#12

1,1-Dichloroethene
Concen: 48.94 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.8	145.7	218.5
98	67.8	49.8	74.8





#13

Acrolein

Concen: 196.10 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 53027

Ion Ratio Lower Upper

56 100

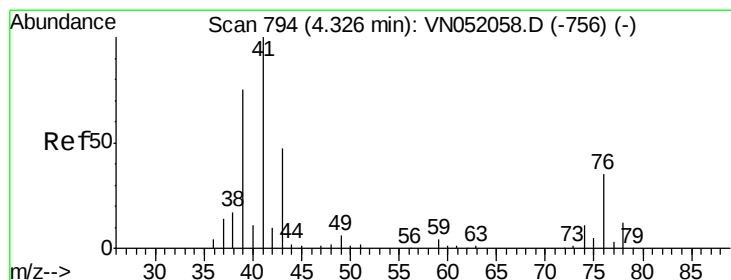
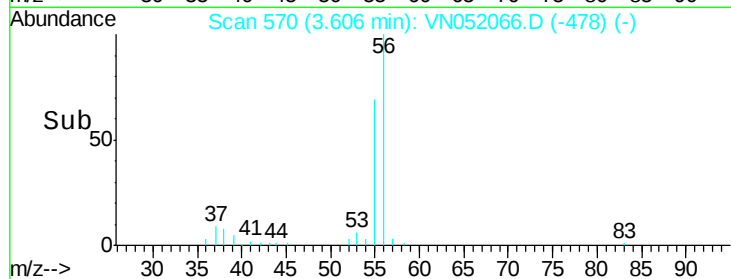
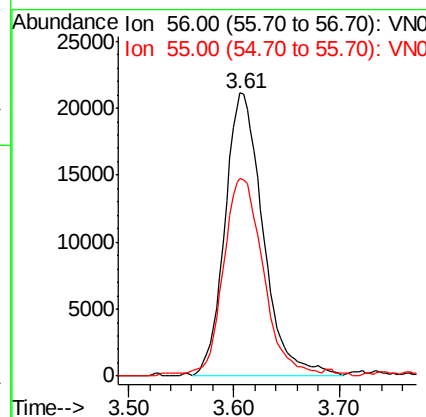
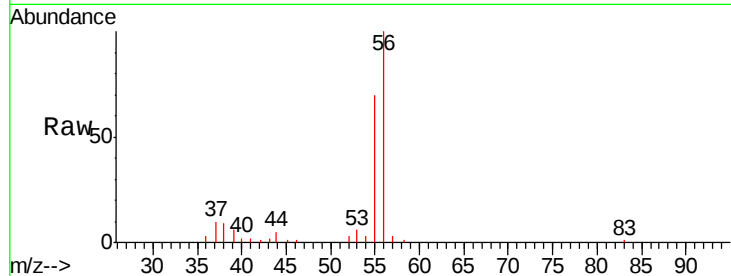
55 70.1 59.9 89.9

Manual Integrations

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#14

Allyl chloride

Concen: 45.13 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

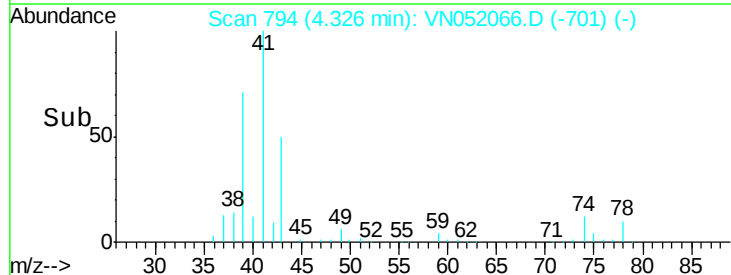
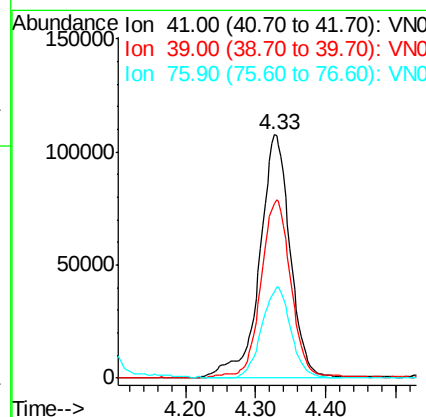
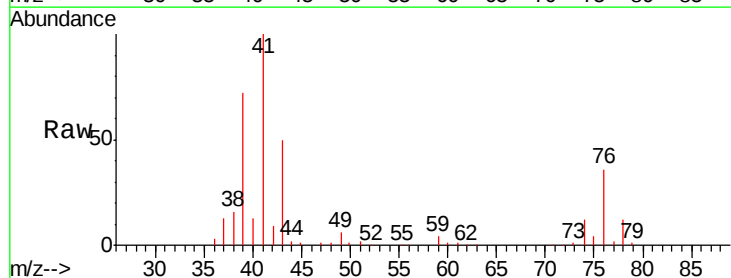
Tgt Ion: 41 Resp: 326541

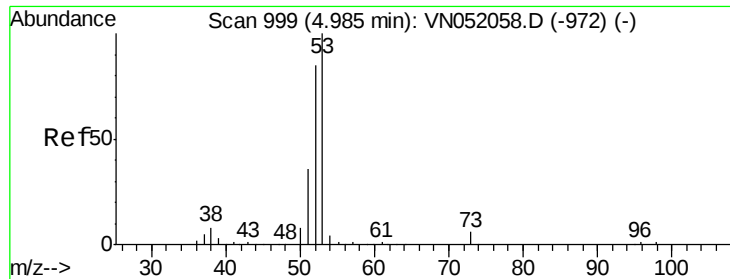
Ion Ratio Lower Upper

41 100

39 68.6 58.1 87.1

76 34.9 26.0 39.0





#15

Acrylonitrile

Concen: 225.21 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

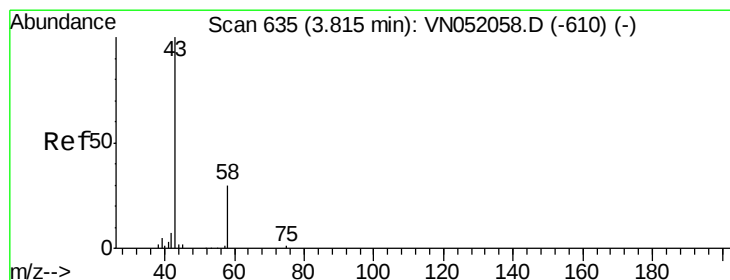
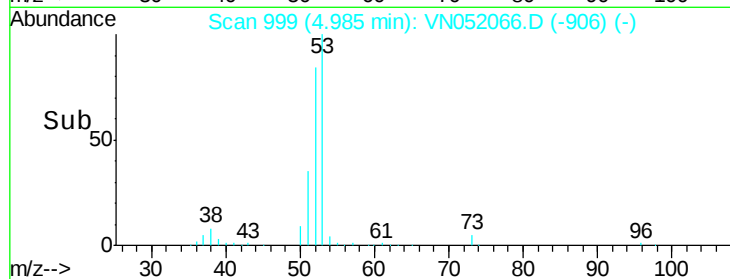
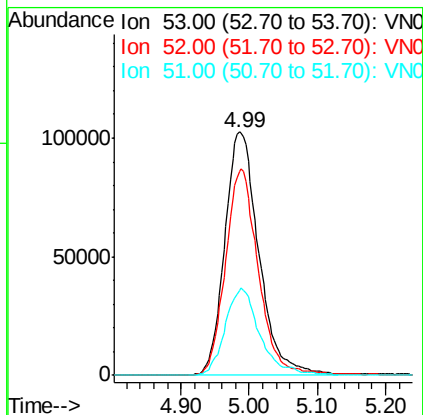
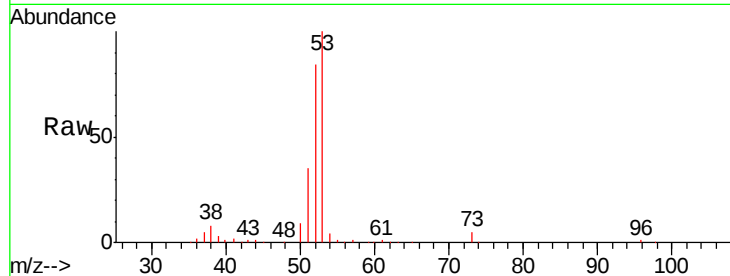
ClientSampled :

VSTDCCC050

Tgt Ion:	53	Resp:	356572
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.6	100.0
51	36.5	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 230.88 ug/l

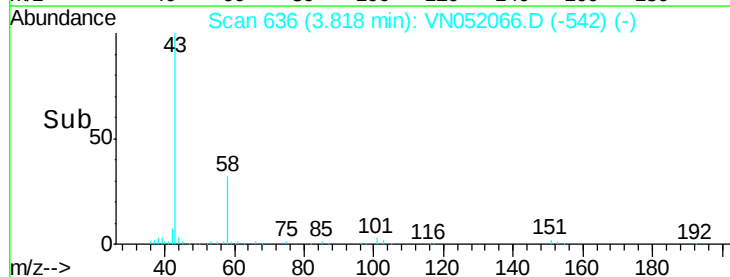
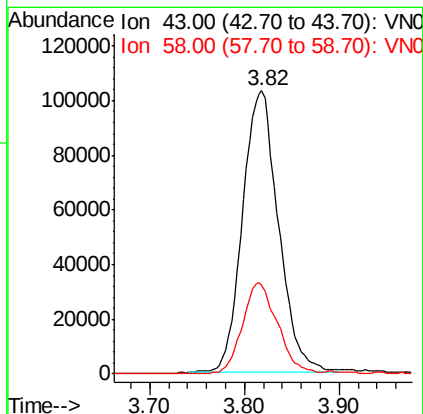
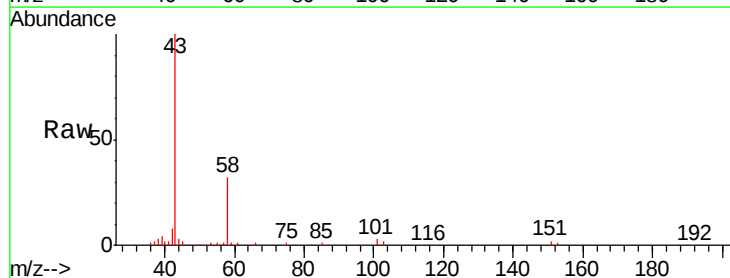
RT: 3.82 min Scan# 636

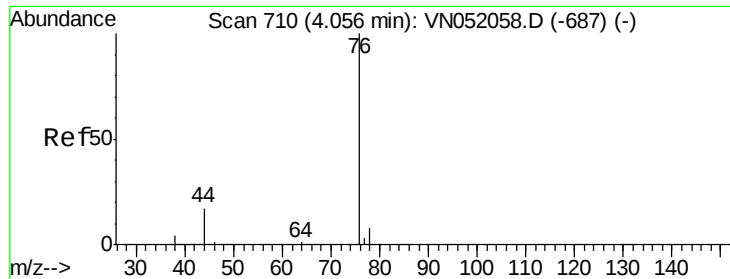
Delta R.T. 0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Tgt Ion:	43	Resp:	272557
Ion	Ratio	Lower	Upper
43	100		
58	31.7	24.2	36.2





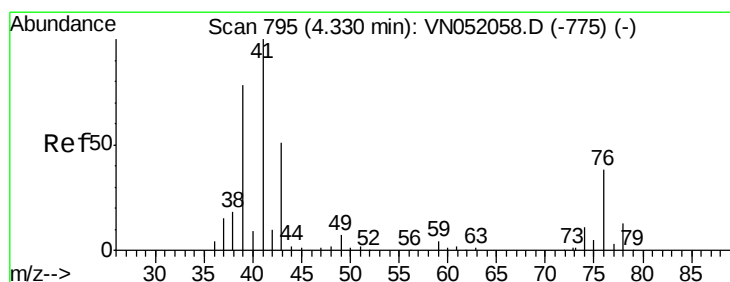
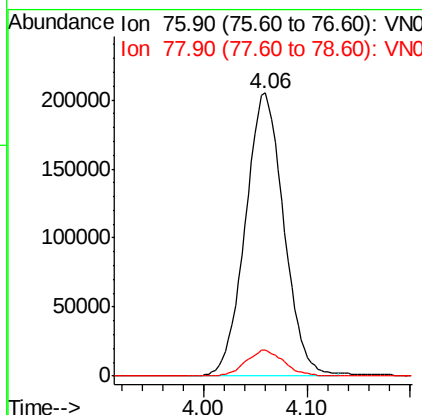
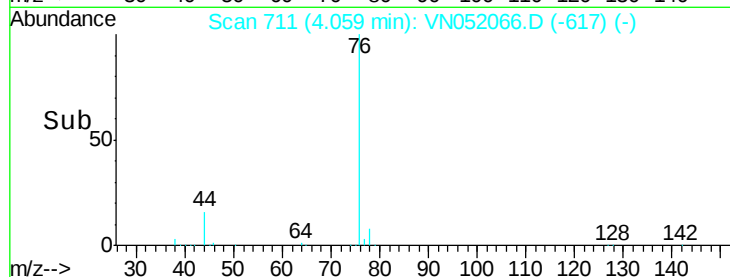
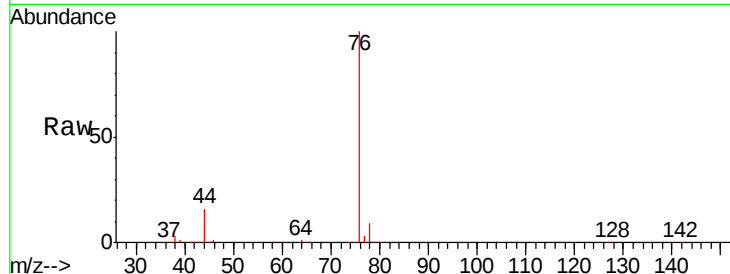
#17
Carbon Disulfide
Concen: 46.64 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 531375
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2

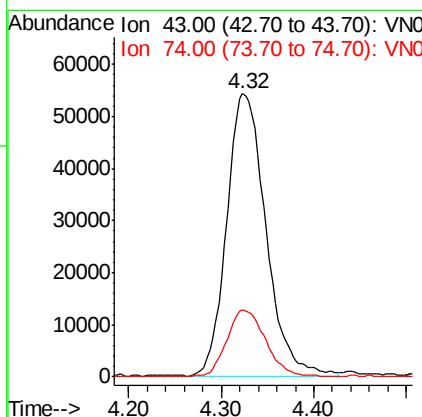
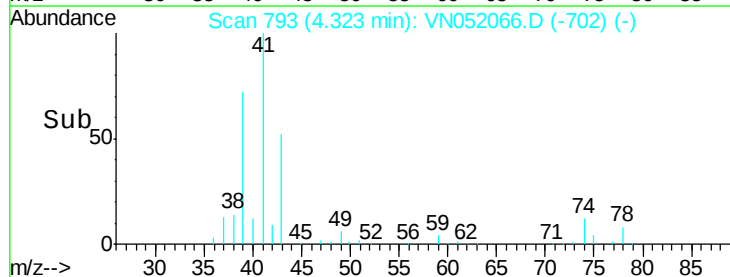
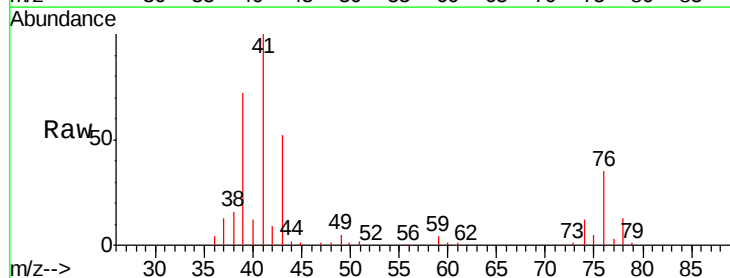
Manual Integrations
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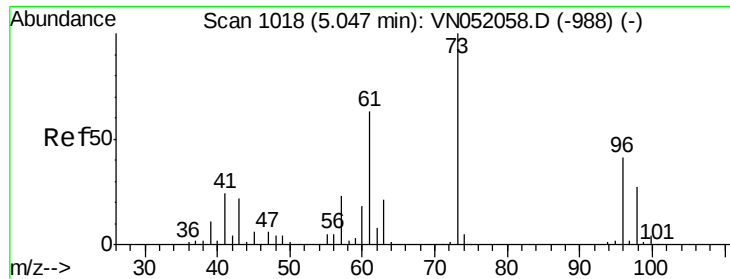
MMDadoda
11/2/2018 1:11:01 PM



#18
Methyl Acetate
Concen: 42.18 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion: 43 Resp: 158527
Ion Ratio Lower Upper
43 100
74 23.6 17.9 26.9





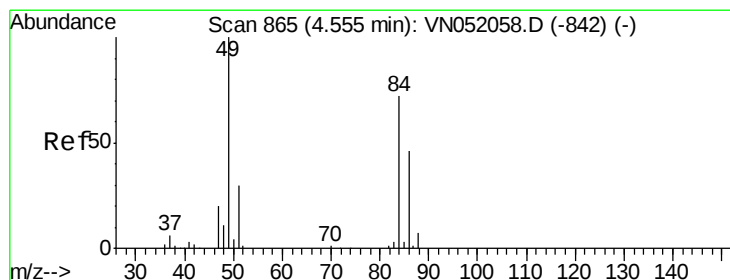
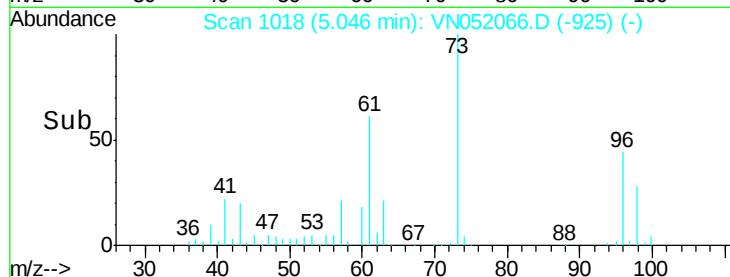
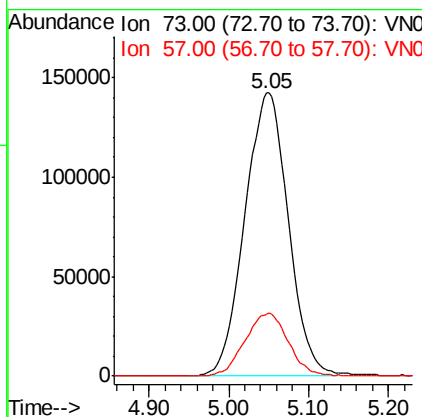
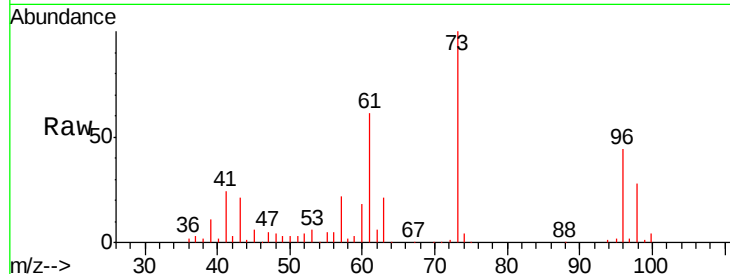
#19
Methyl tert-butyl Ether
Concen: 44.59 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 529579
Ion Ratio Lower Upper
73 100
57 21.9 18.7 28.1

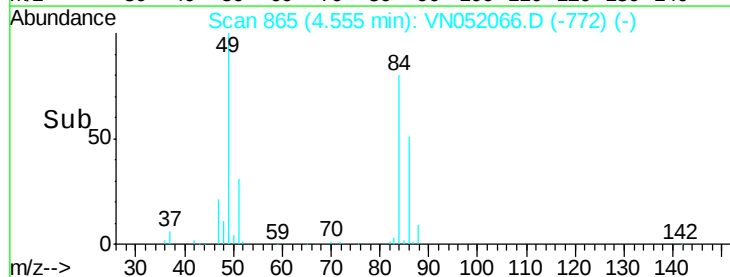
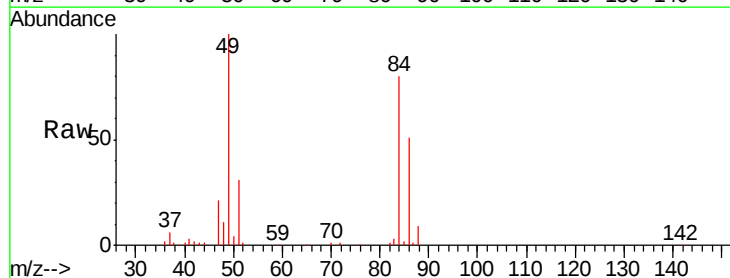
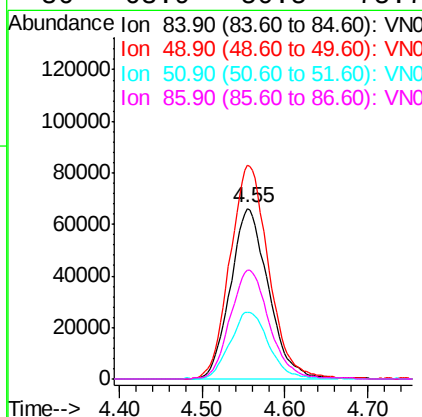
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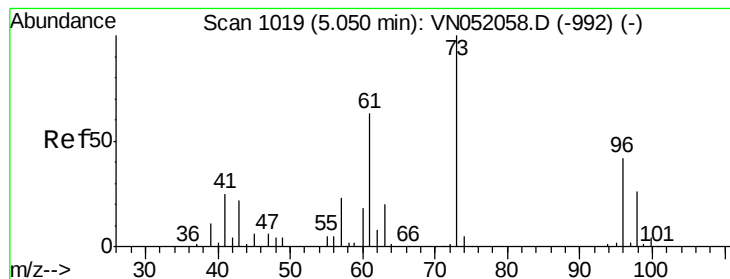
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11/2/2018 1:11:01 PM



#20
Methylene Chloride
Concen: 46.89 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion: 84 Resp: 210917
Ion Ratio Lower Upper
84 100
49 125.1 110.6 165.8
51 38.8 33.7 50.5
86 63.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 49.14 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 202594

Ion Ratio Lower Upper

96 100

61 138.3 118.6 178.0

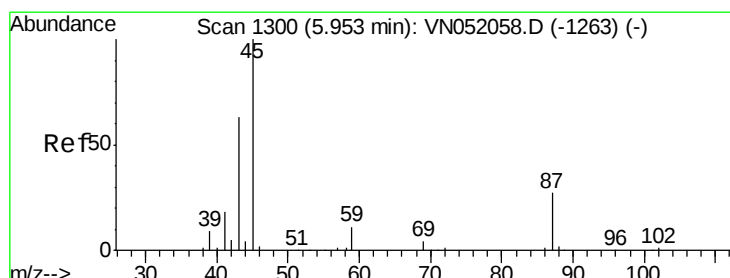
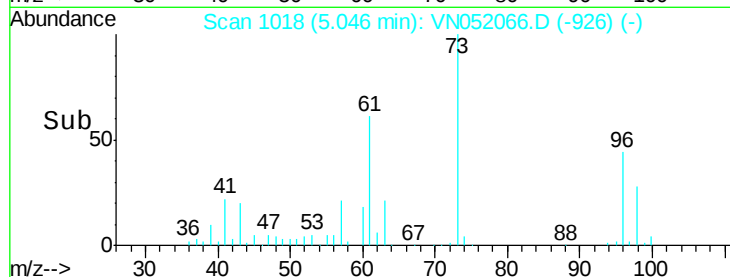
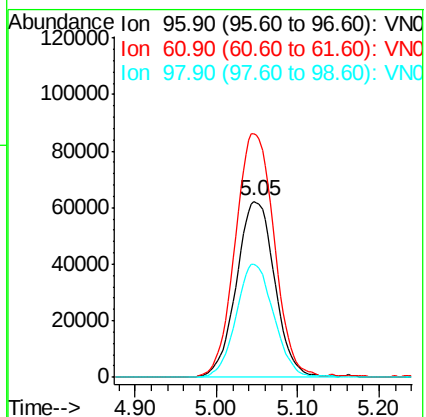
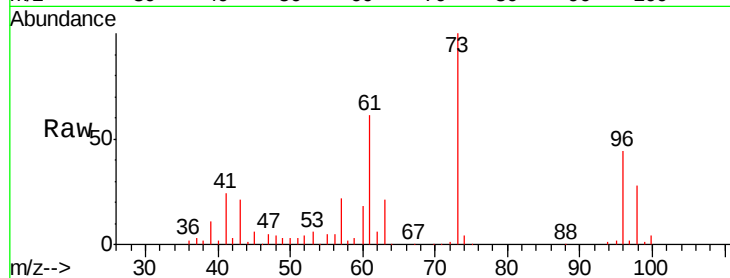
98 64.6 49.7 74.5

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11/2/2018 1:11:01 PM



#22

Diisopropyl ether

Concen: 43.09 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Tgt Ion: 45 Resp: 673877

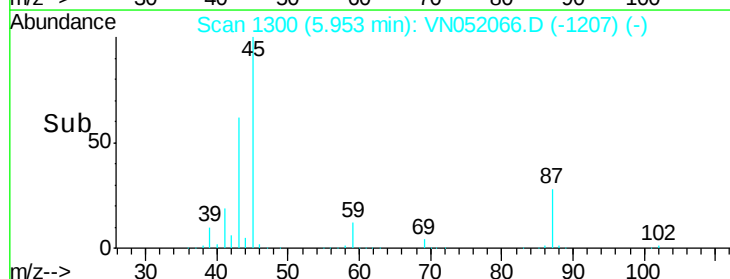
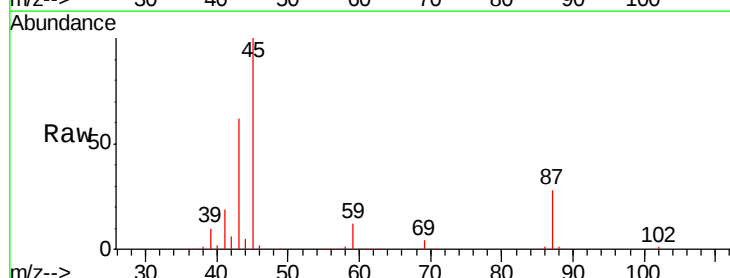
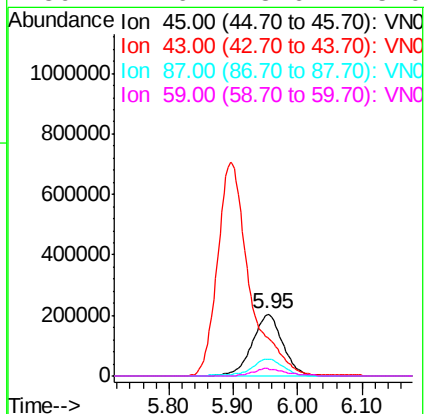
Ion Ratio Lower Upper

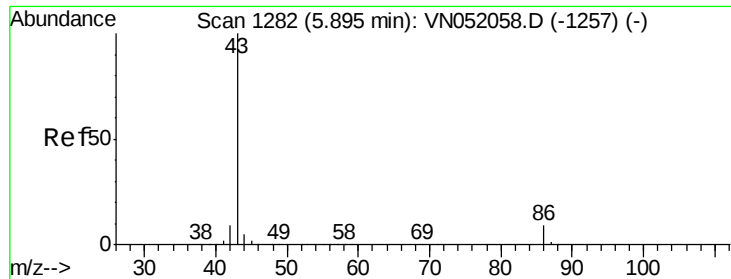
45 100

43 61.4 50.5 75.7

87 27.5 21.5 32.3

59 11.6 8.6 13.0





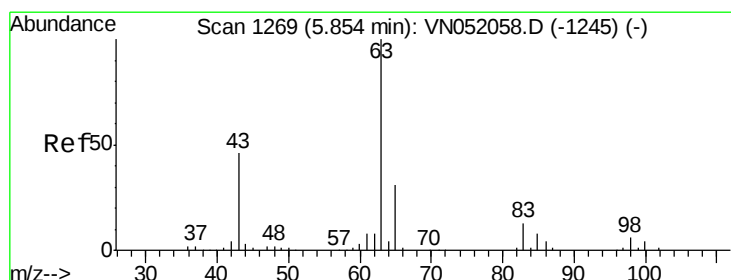
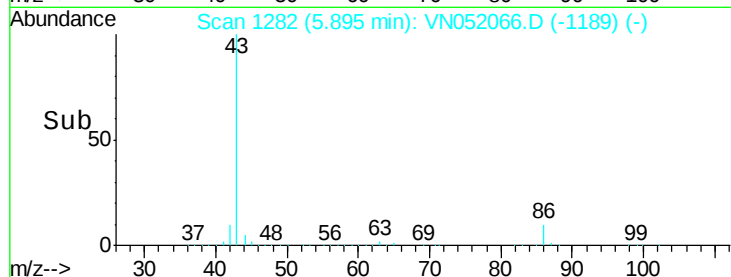
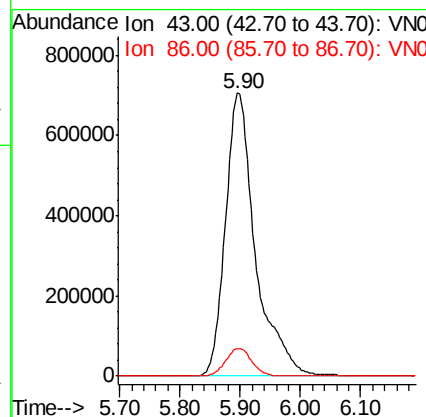
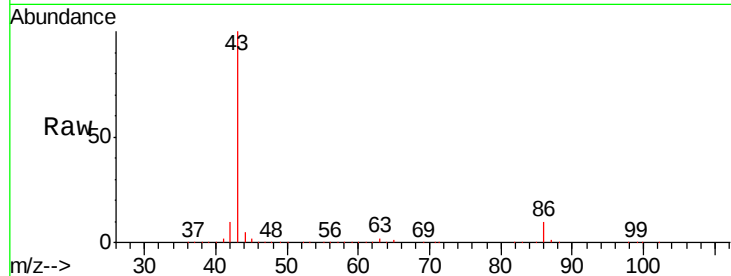
#23
 Vinyl Acetate
 Concen: 225.10 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2439292
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.3 10.9

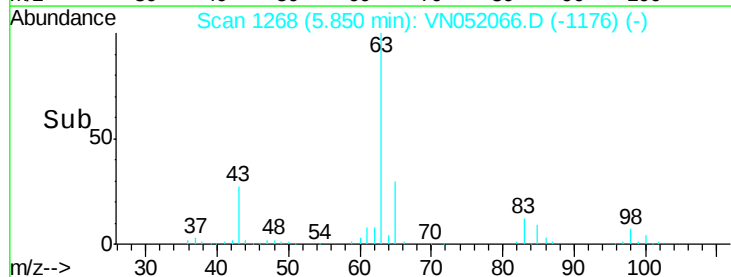
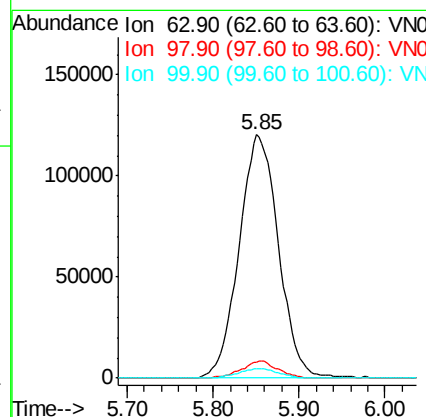
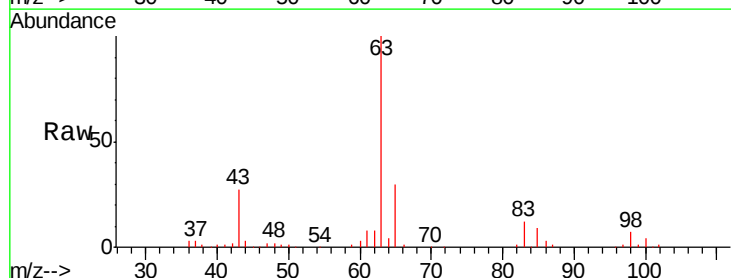
Manual Integrations
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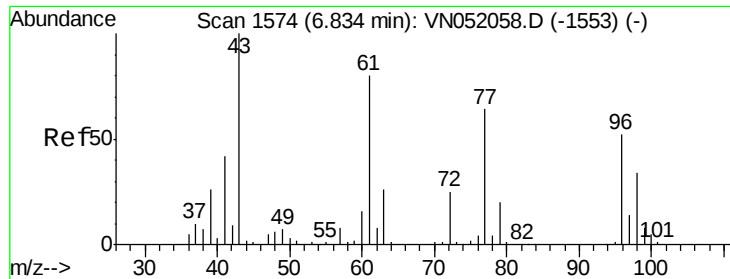
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 43.72 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Tgt Ion: 63 Resp: 382303
 Ion Ratio Lower Upper
 63 100
 98 6.6 2.8 8.4
 100 3.8 2.0 6.0





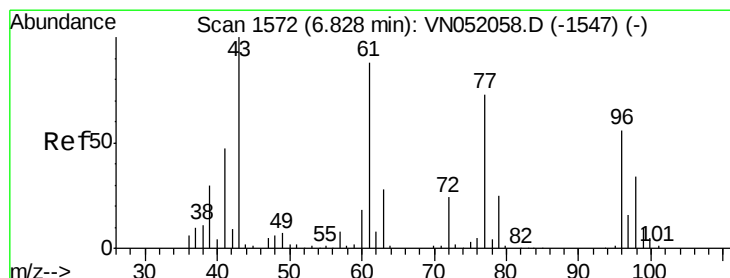
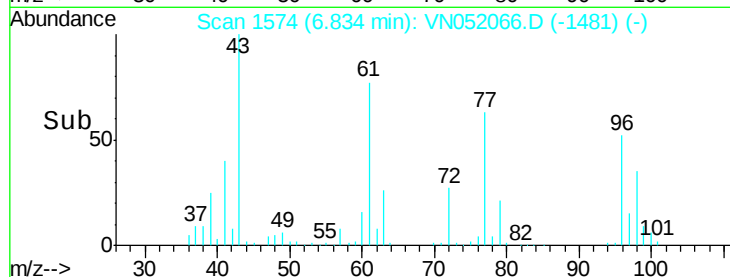
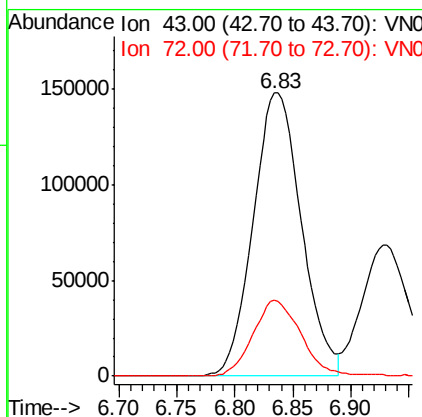
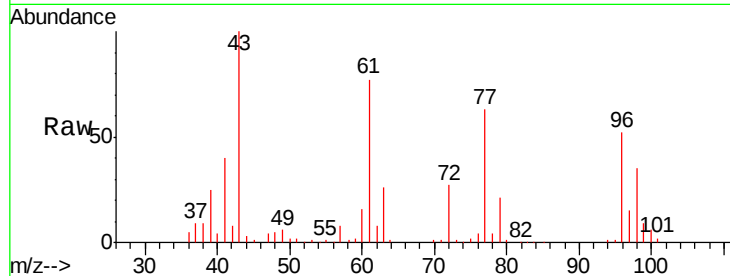
#25
2-Butanone
Concen: 230.95 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 427628
Ion Ratio Lower Upper
43 100
72 27.1 20.2 30.2

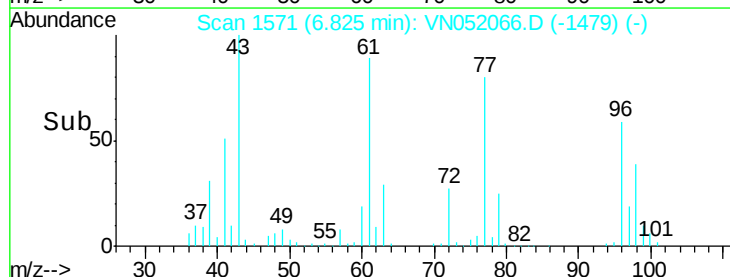
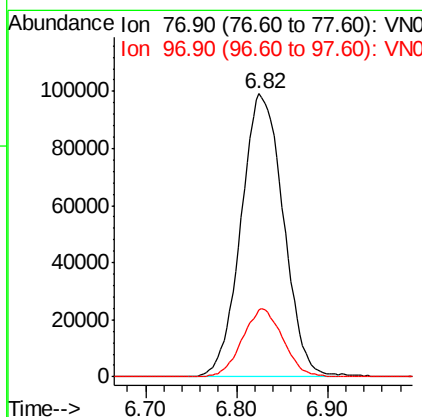
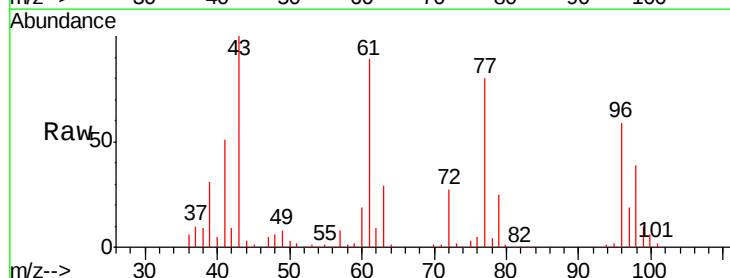
Manual Integrations
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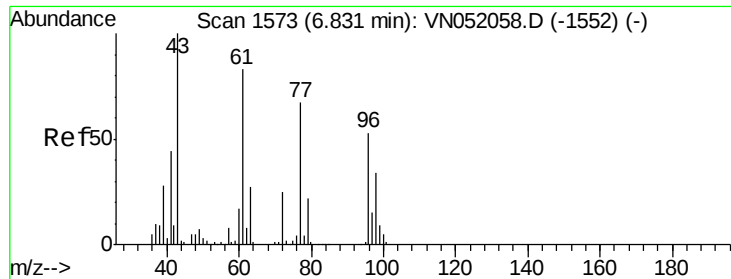
MMDadoda
11/2/2018 1:11:01 PM



#26
2,2-Dichloropropane
Concen: 46.13 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion: 77 Resp: 320377
Ion Ratio Lower Upper
77 100
97 23.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 46.72 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

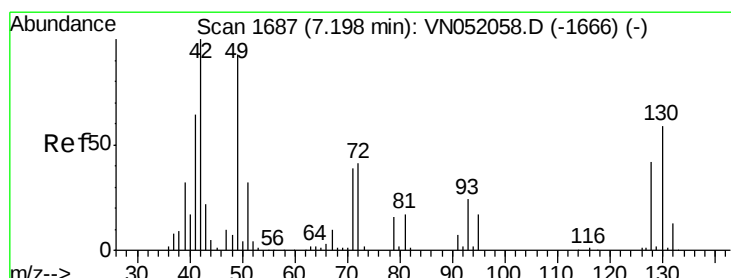
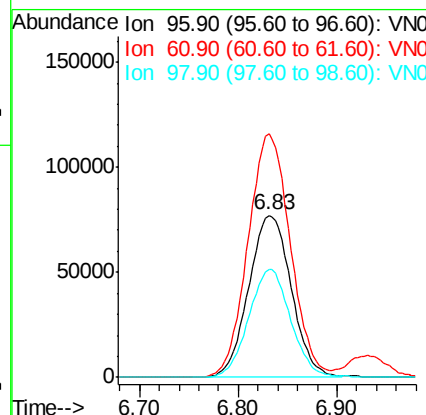
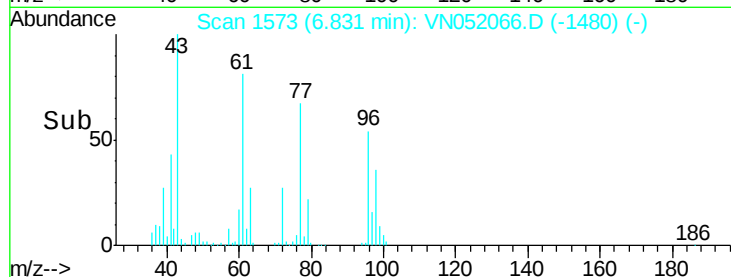
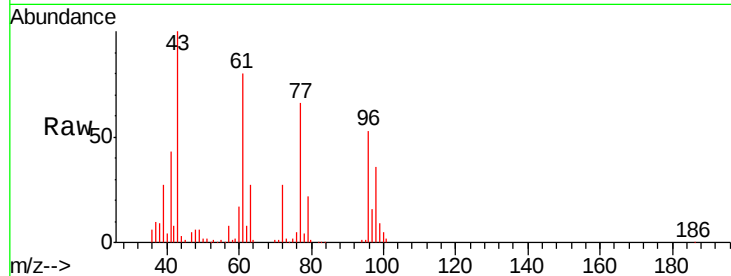
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	230023
Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	312.8
98	65.8	0.0	127.0

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11/2/2018 1:11:01 PM



#28

Bromochloromethane

Concen: 39.56 ug/l

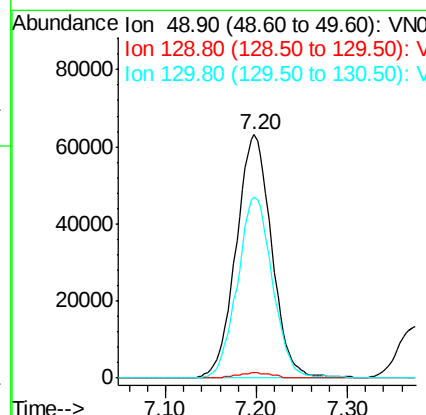
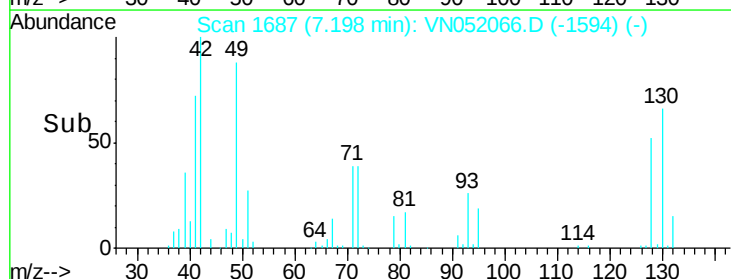
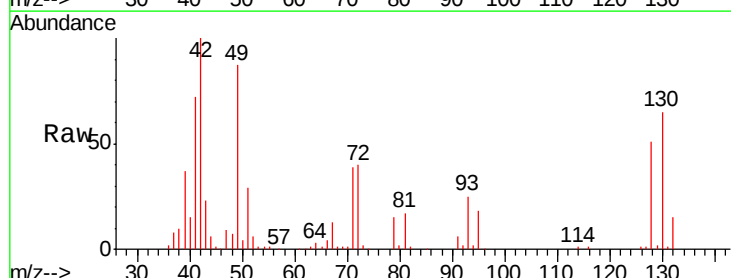
RT: 7.20 min Scan# 1687

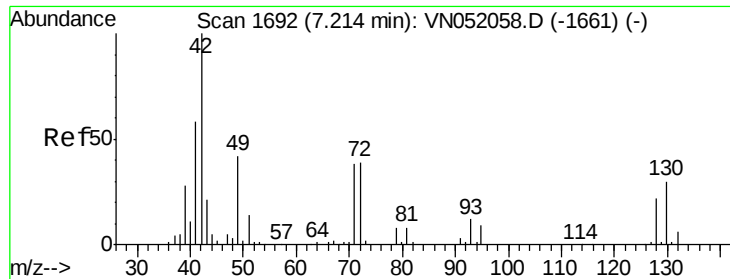
Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Tgt Ion:	49	Resp:	171460
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.4
130	73.0	50.8	76.2





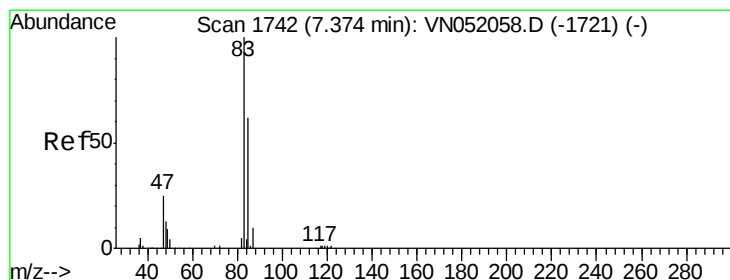
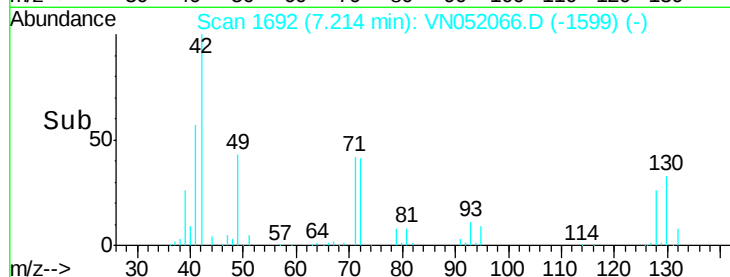
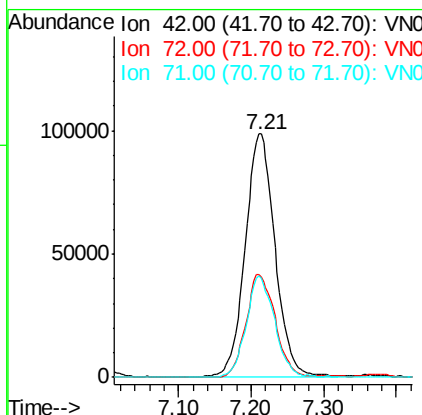
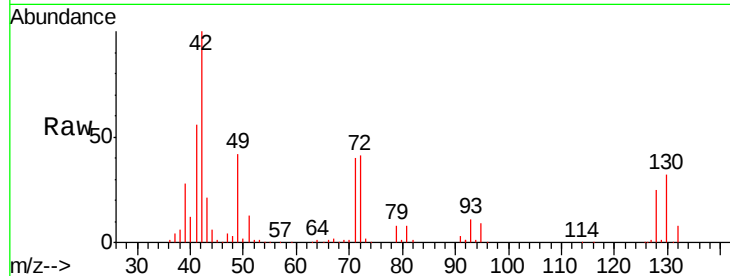
#29
Tetrahydrofuran
Concen: 228.07 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.8	32.5	48.7
71	39.5	30.6	46.0

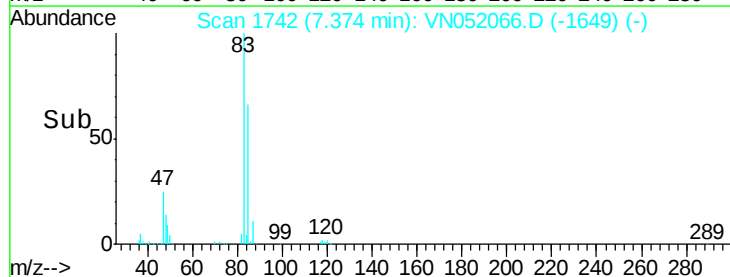
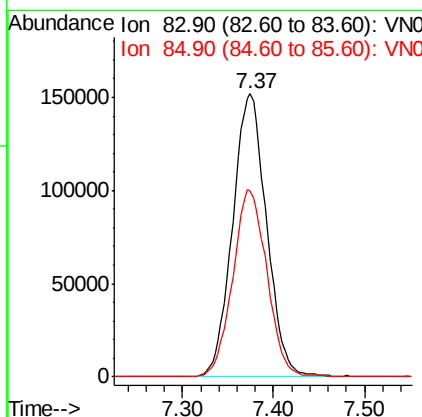
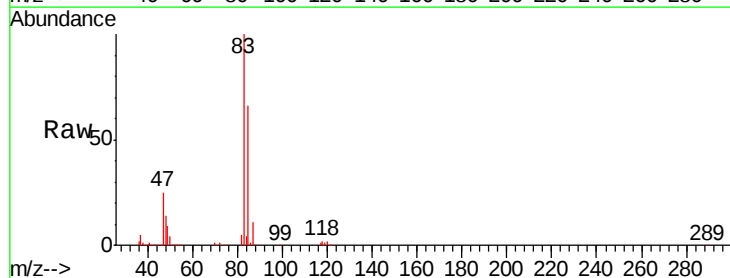
Manual Integrations
APPROVED

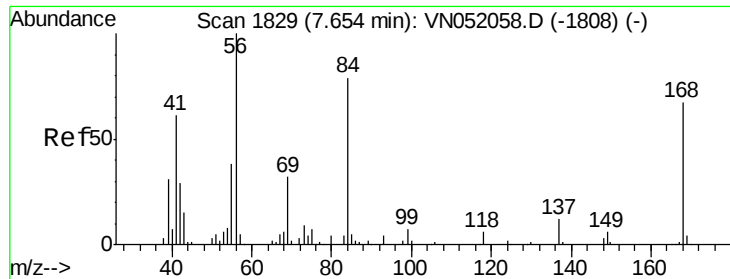
MMDadoda
11/2/2018 1:11:01 PM



#30
Chloroform
Concen: 45.20 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.6	74.4





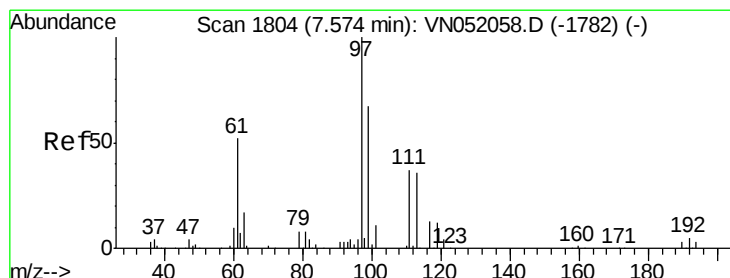
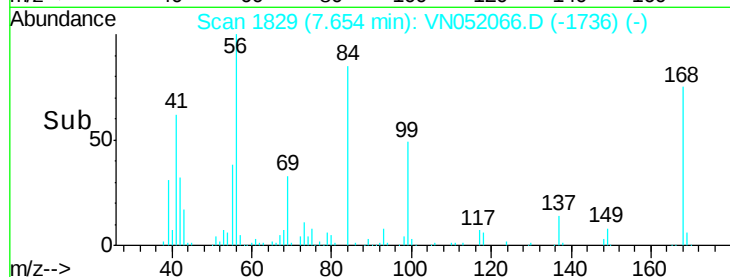
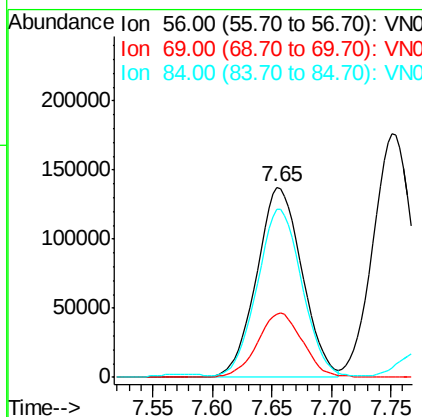
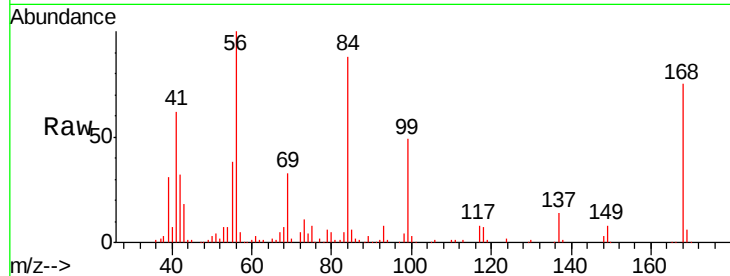
#31
Cyclohexane
Concen: 44.51 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.8	38.6
84	86.4	63.5	95.3

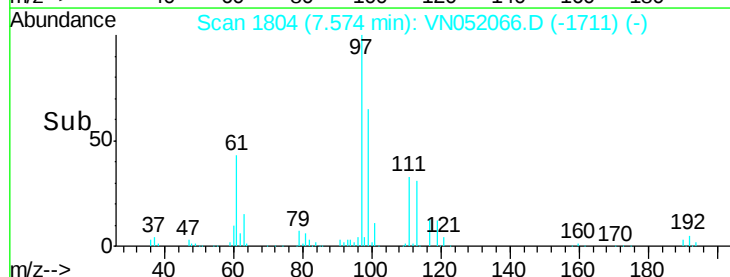
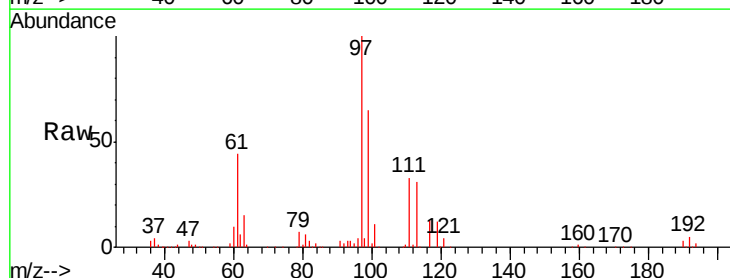
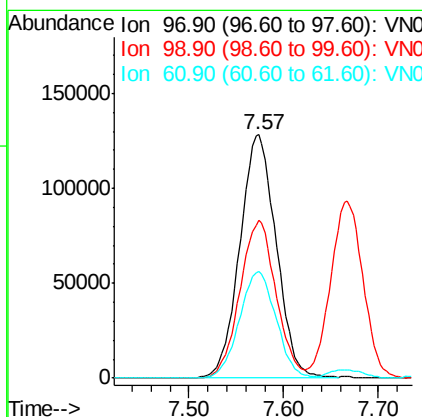
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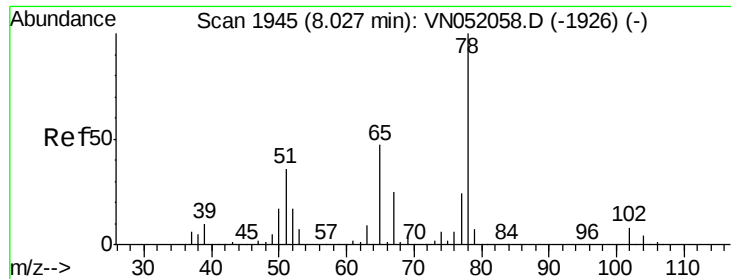
MMDadoda
11/2/2018 1:11:01 PM



#32
1,1,1-Trichloroethane
Concen: 48.90 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	44.0	40.3	60.5





#33

1,2-Dichloroethane-d4

Concen: 48.90 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 215919

Ion Ratio Lower Upper

65 100

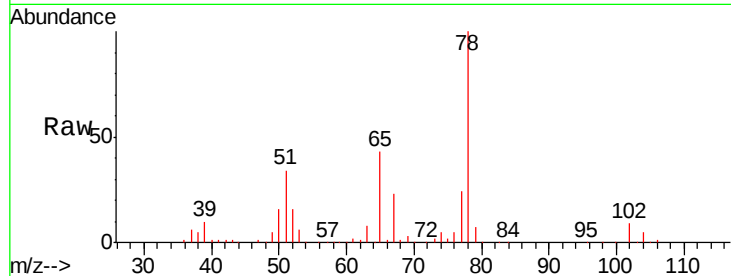
67 52.4 0.0 105.2

Manual Integrations

APPROVED

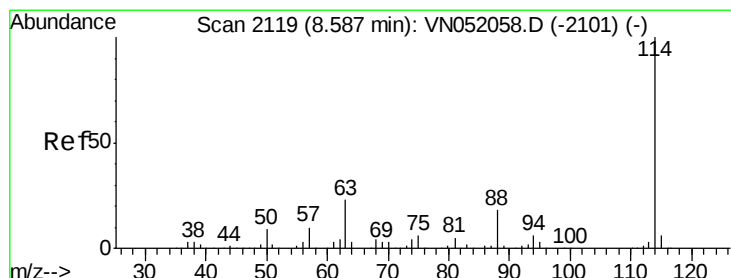
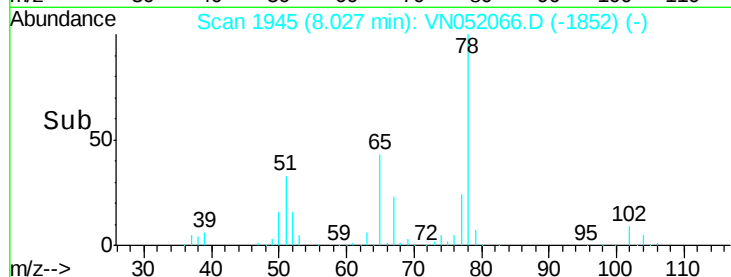
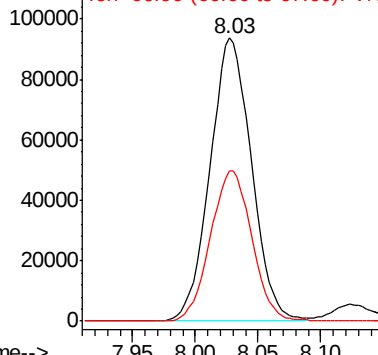
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

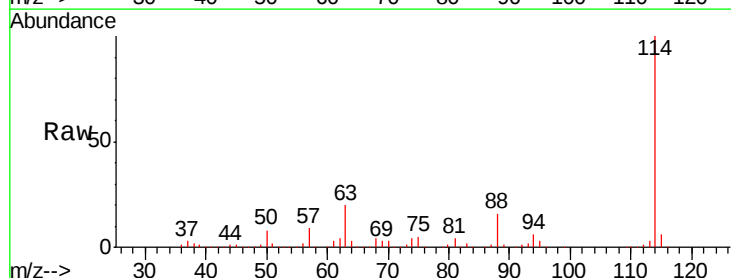
Tgt Ion: 114 Resp: 605344

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.0

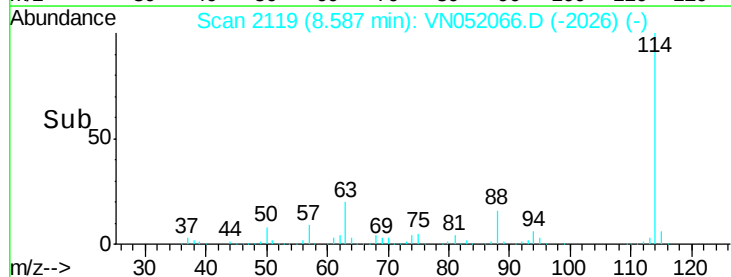
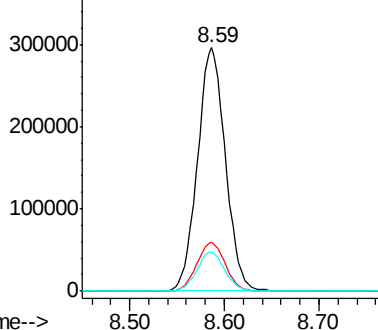
88 16.0 0.0 35.4

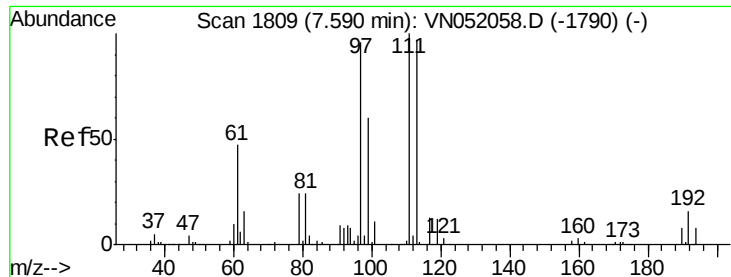


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





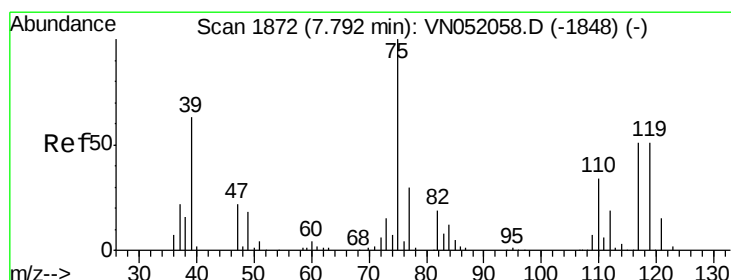
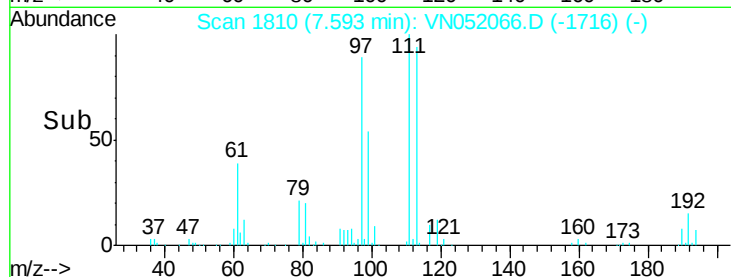
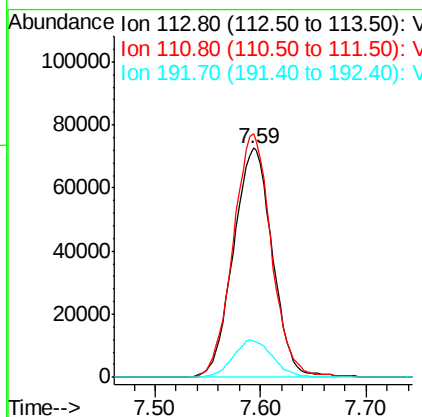
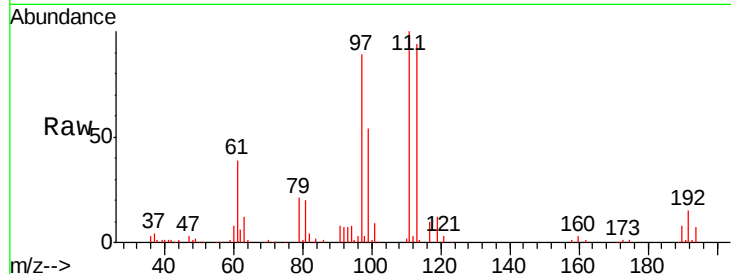
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	186362		
111	103.9	83.1	124.7	
192	16.6	12.7	19.1	

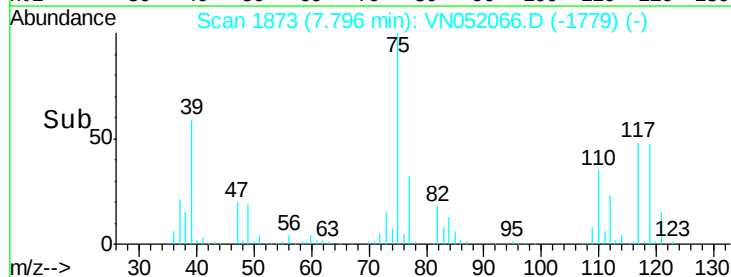
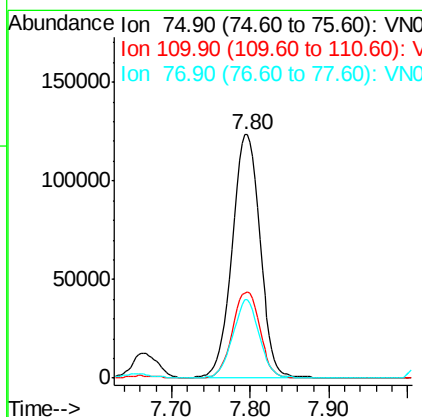
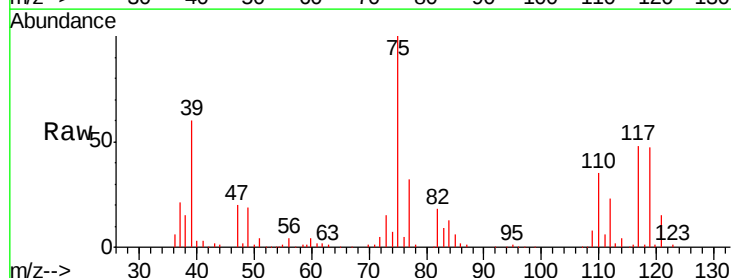
Manual Integrations
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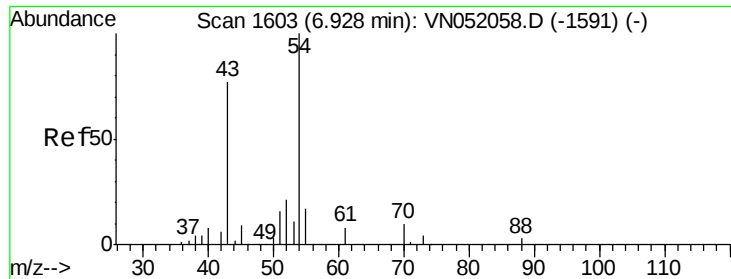
MMDadoda
 11/2/2018 1:11:01 PM



#36
 1,1-Dichloropropene
 Concen: 49.81 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	306594		
110	34.8	16.0	48.0	
77	30.7	24.5	36.7	





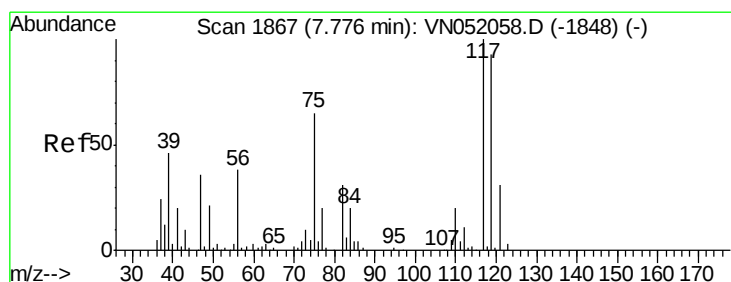
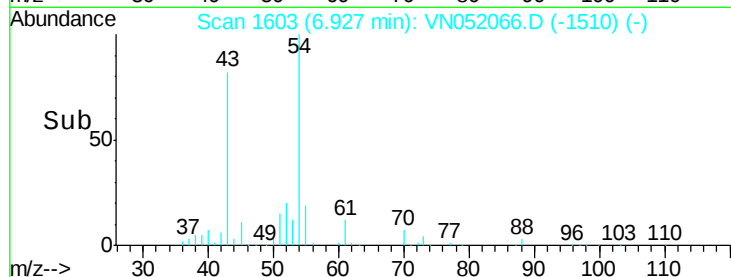
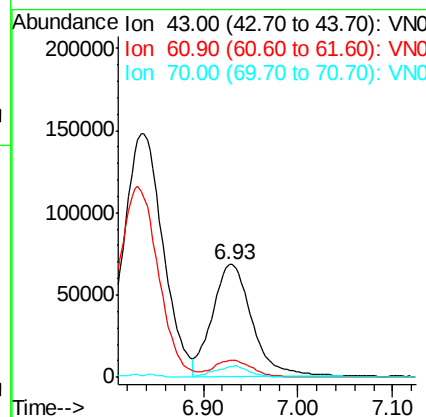
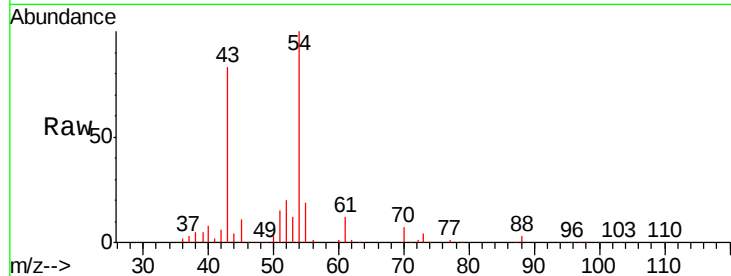
#37
Ethyl Acetate
Concen: 48.28 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	9.3	8.6	12.8

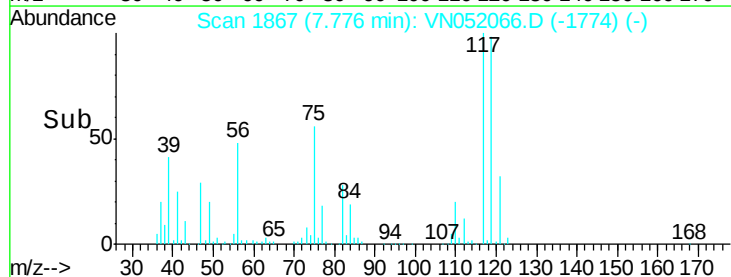
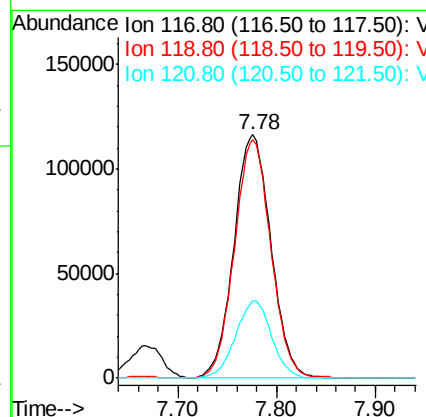
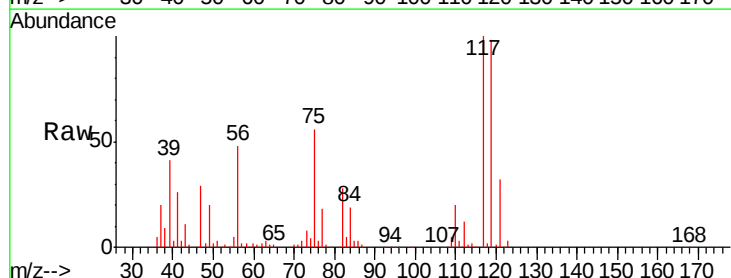
Manual Integrations
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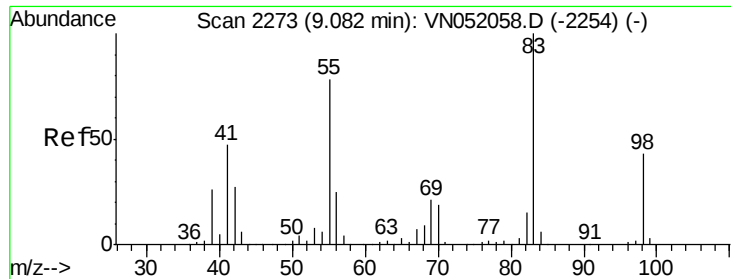
MMDadoda
11/2/2018 1:11:01 PM



#38
Carbon Tetrachloride
Concen: 57.24 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	74.8	112.2
121	31.6	25.1	37.7





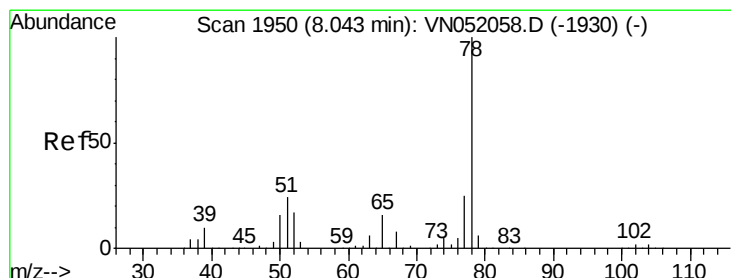
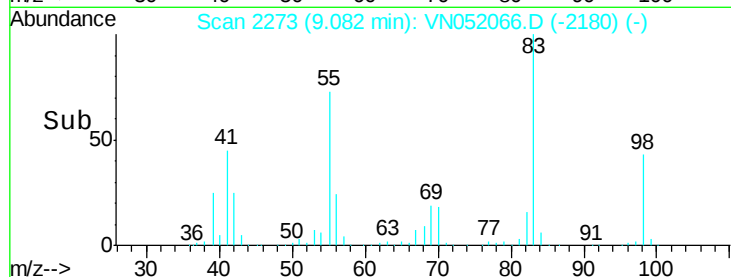
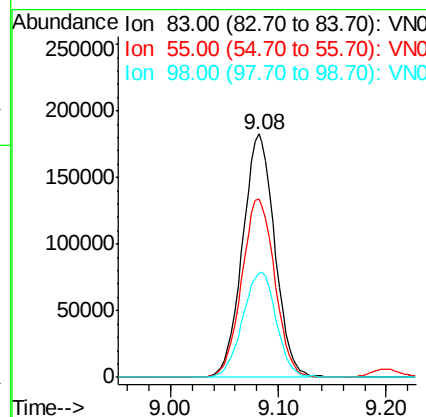
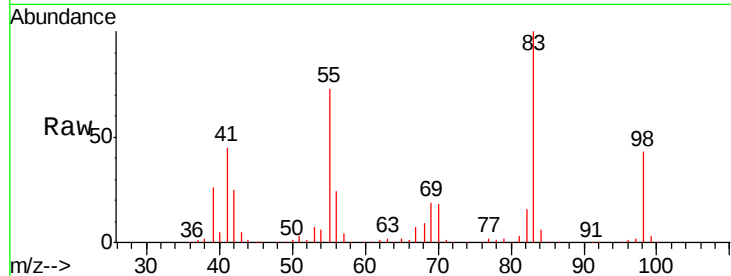
#39
Methylcyclohexane
Concen: 52.03 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.2	62.0	93.0
98	42.7	34.7	52.1

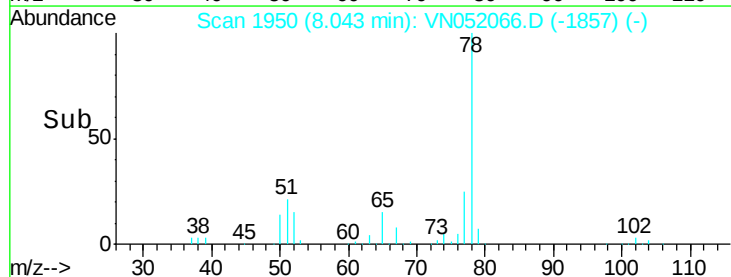
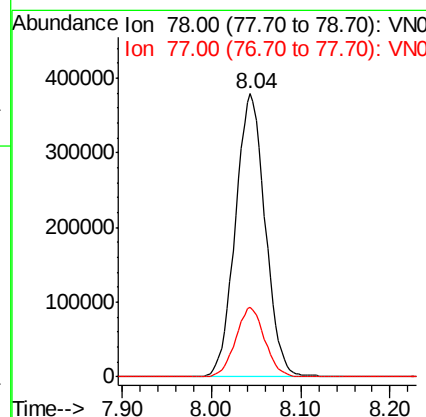
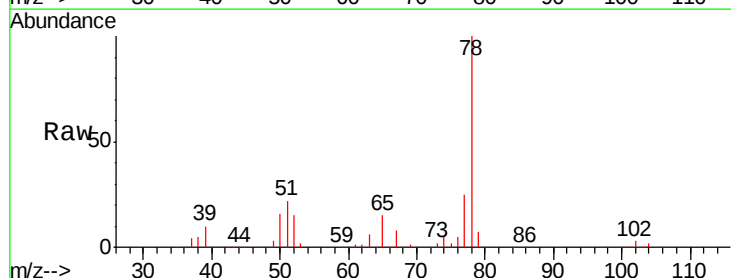
Manual Integrations
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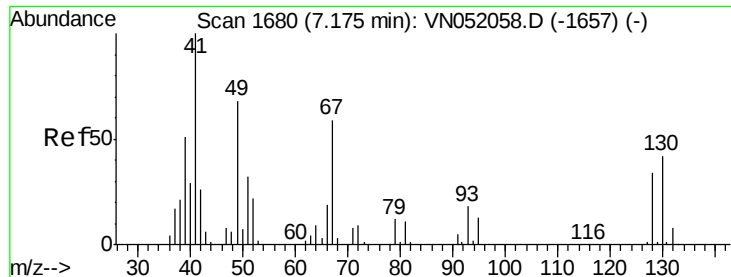
MMDadoda
11/2/2018 1:11:01 PM



#40
Benzene
Concen: 49.36 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.6





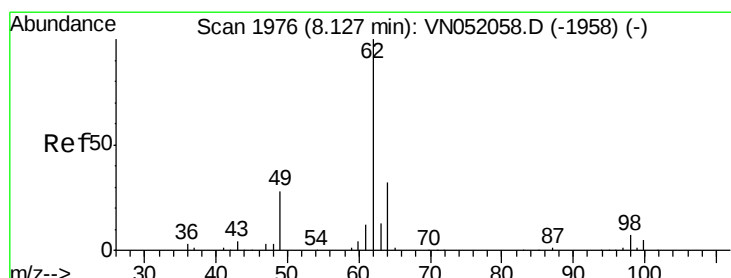
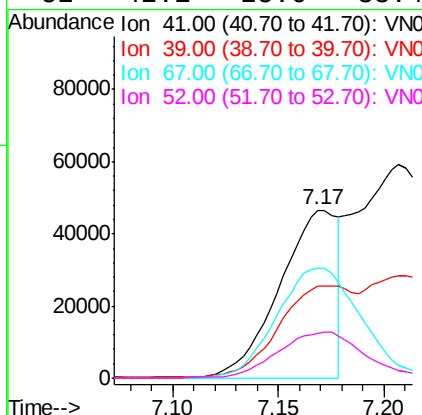
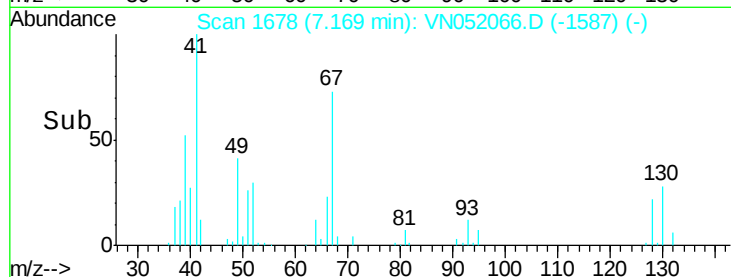
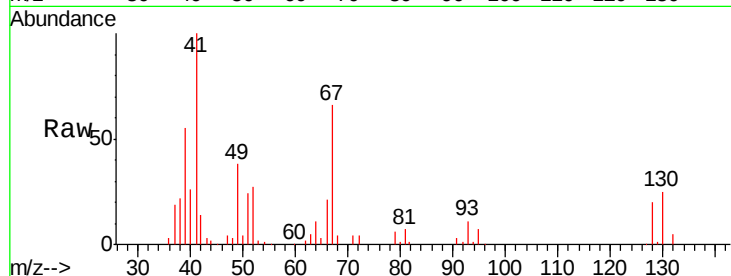
#41
Methacrylonitrile
Concen: 41.64 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.1	33.2	49.8#
67	96.8	63.5	95.3#
52	42.1	25.6	38.4#

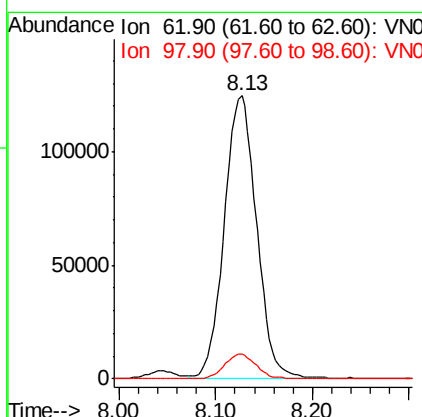
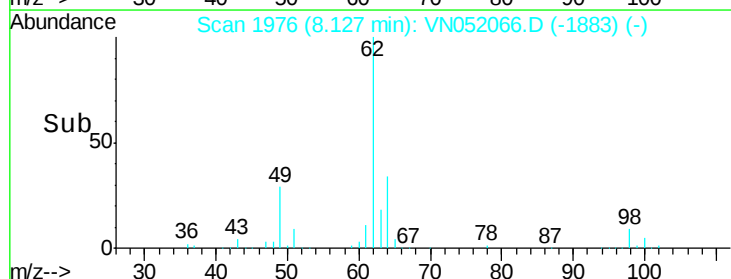
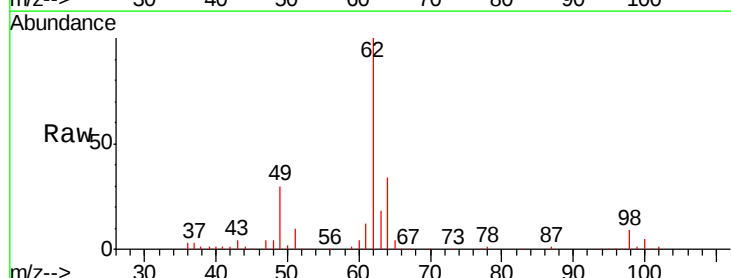
Manual Integrations
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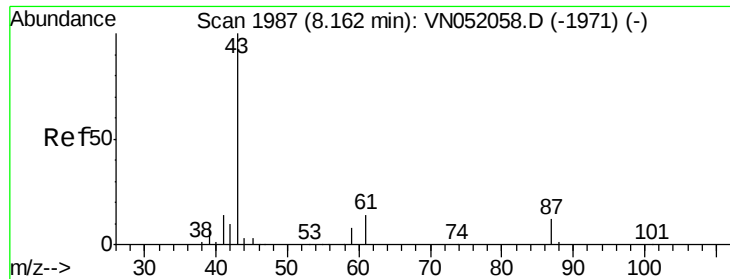
MMDadoda
11/2/2018 1:11:01 PM



#42
1,2-Dichloroethane
Concen: 43.93 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.2





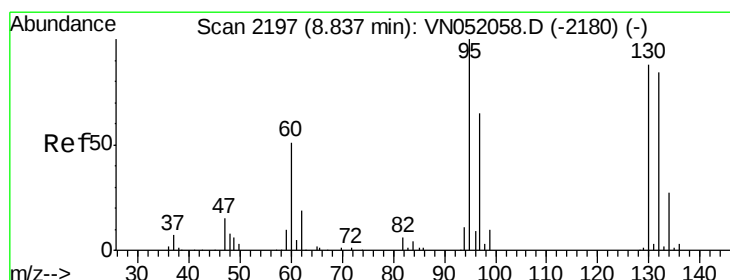
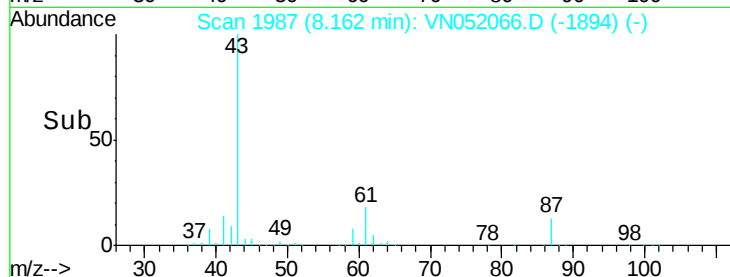
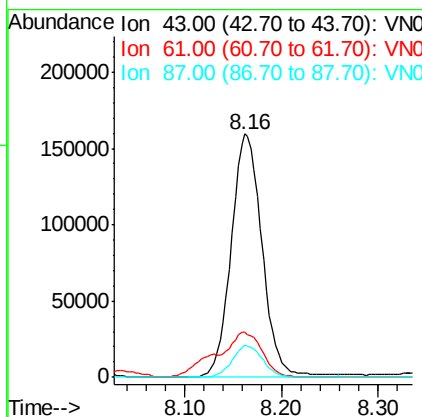
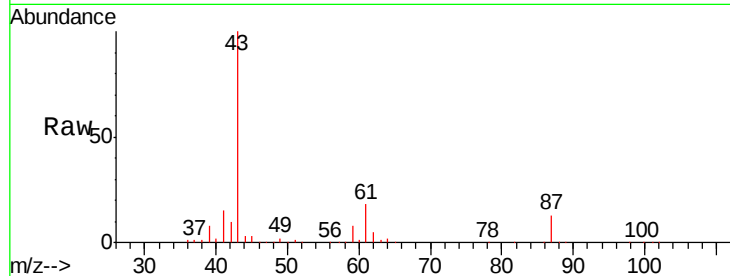
#43
Isopropyl Acetate
Concen: 48.17 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.2	15.4	23.0#
87	13.0	9.8	14.8

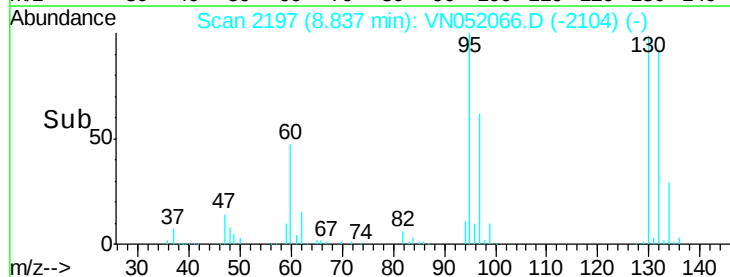
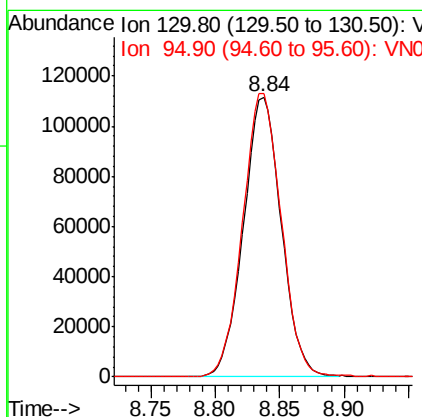
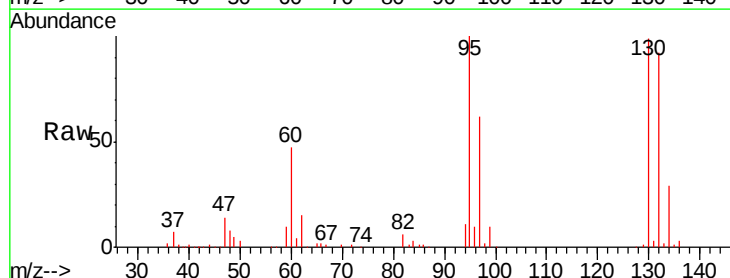
Manual Integrations
APPROVED

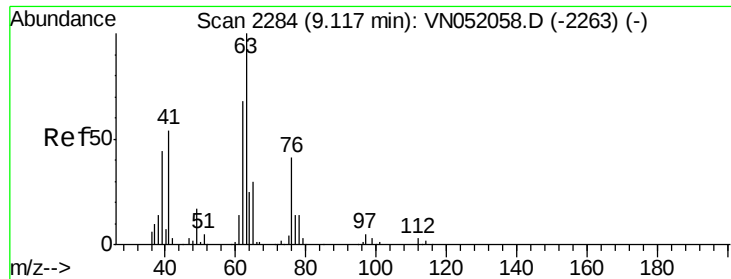
MMDadoda
11/2/2018 1:11:01 PM



#44
Trichloroethene
Concen: 57.31 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	228.4





#45

1,2-Dichloropropane

Concen: 45.66 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 231580

Ion Ratio Lower Upper

63 100

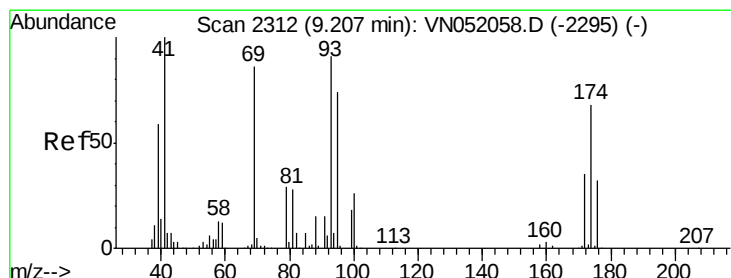
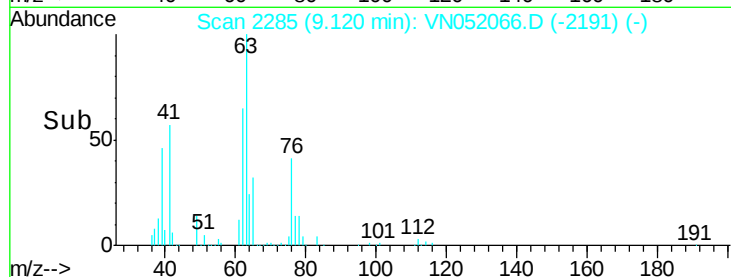
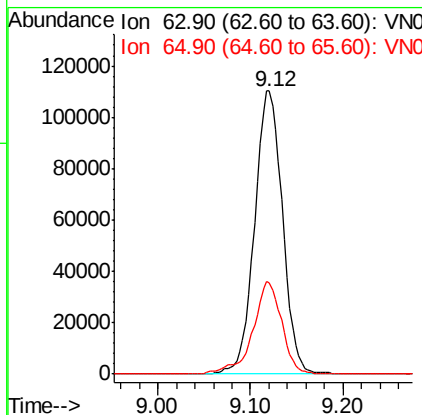
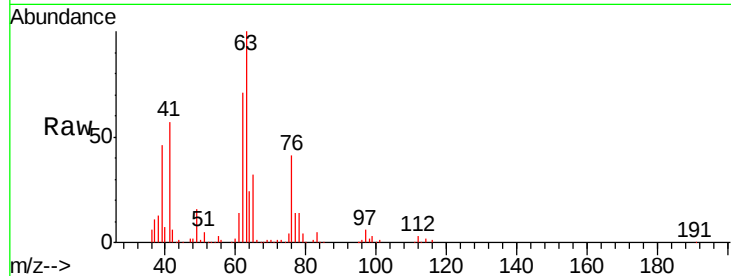
65 32.3 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 51.85 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

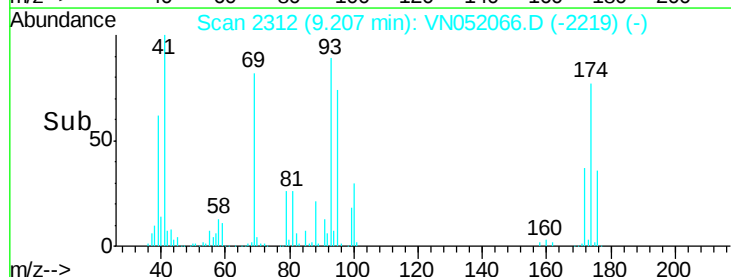
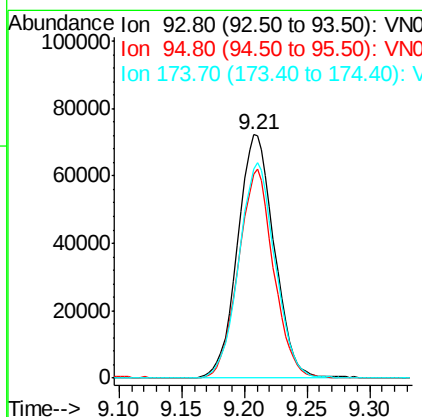
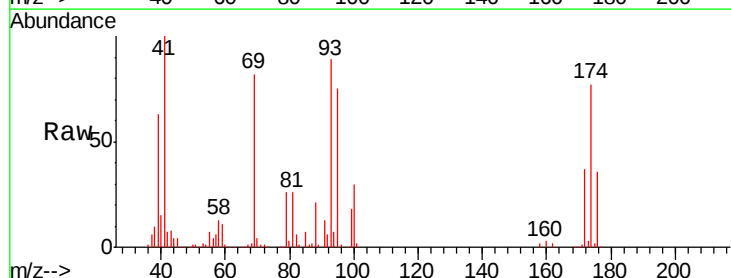
Tgt Ion: 93 Resp: 146968

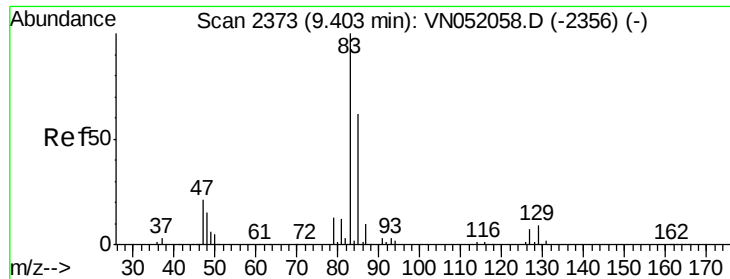
Ion Ratio Lower Upper

93 100

95 82.3 67.2 100.8

174 87.4 59.7 89.5





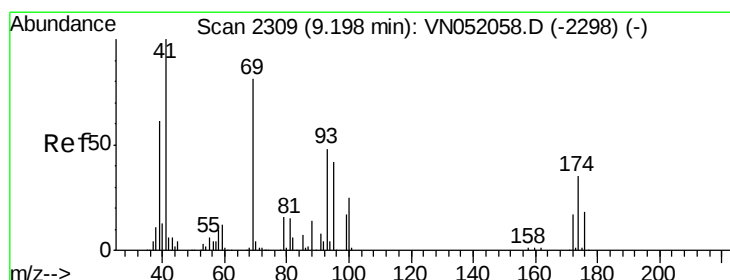
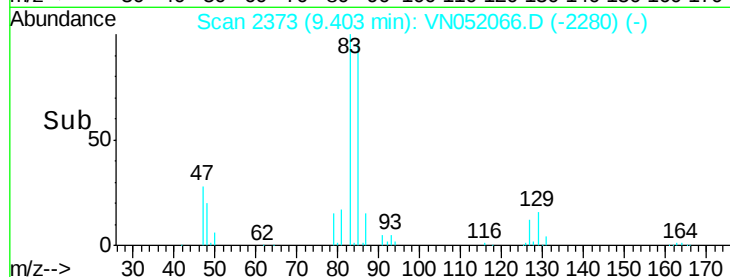
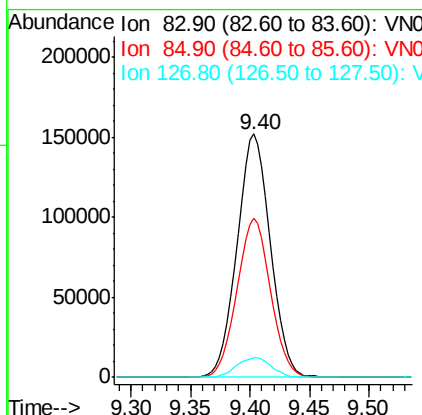
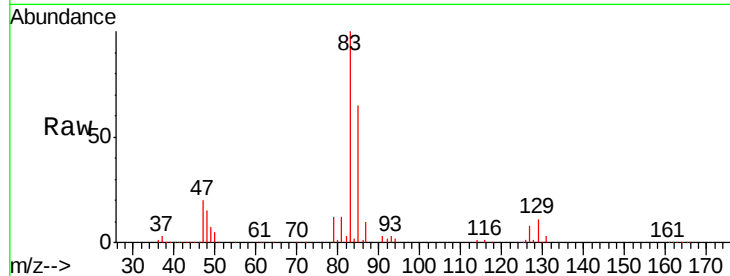
#47
Bromodichloromethane
Concen: 50.04 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	295810		
85	65.5	49.4	74.2	
127	8.2	5.8	8.8	

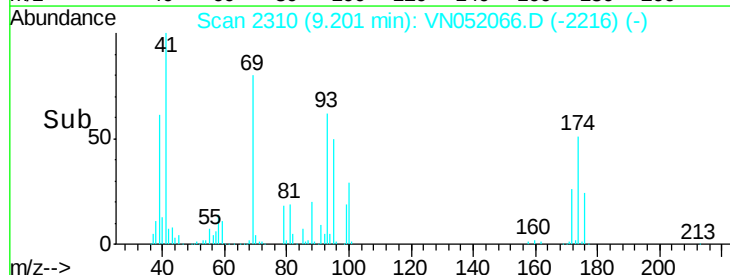
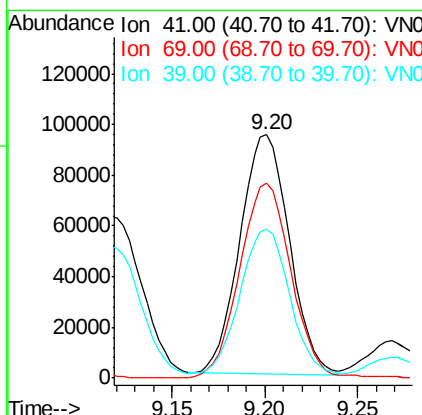
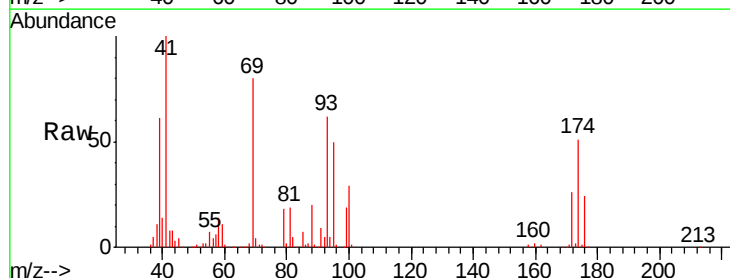
Manual Integrations
APPROVED

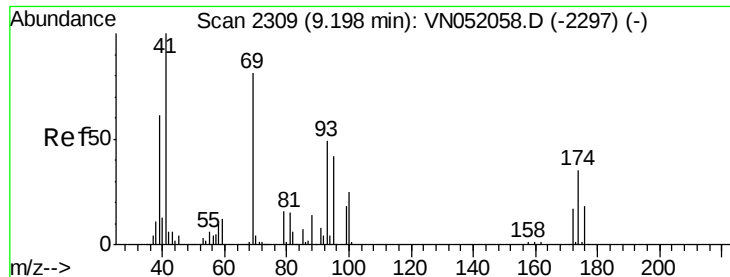
MMDadoda
11/2/2018 1:11:01 PM



#48
Methyl methacrylate
Concen: 47.12 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	175053		
69	84.7	67.1	100.7	
39	63.5	50.5	75.7	





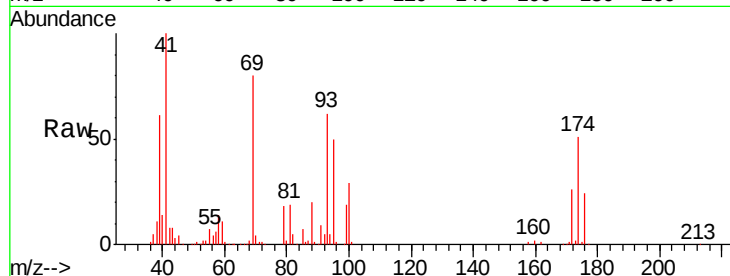
#49
1,4-Dioxane
Concen: 1280.32 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.2	34.1	51.1
58	70.1	62.8	94.2

Manual Integrations
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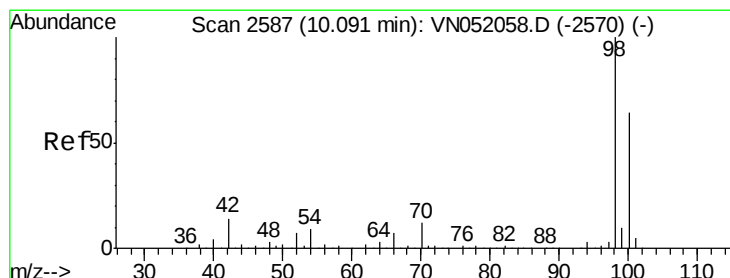
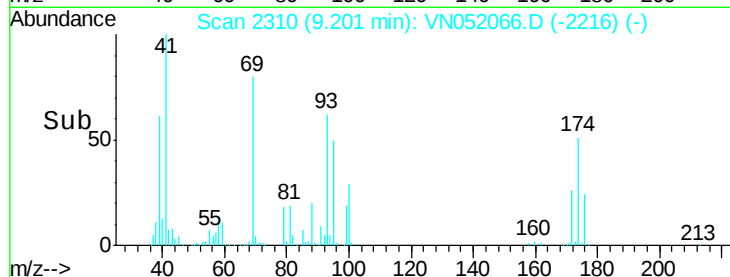
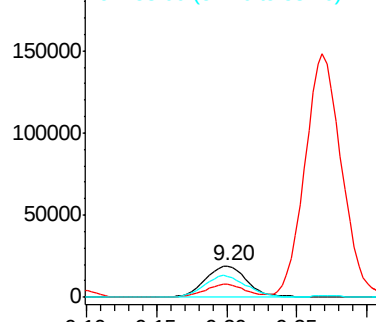
MMDadoda
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Abundance Ion 88.00 (87.70 to 88.70): VN052058.D (-2297) (-)

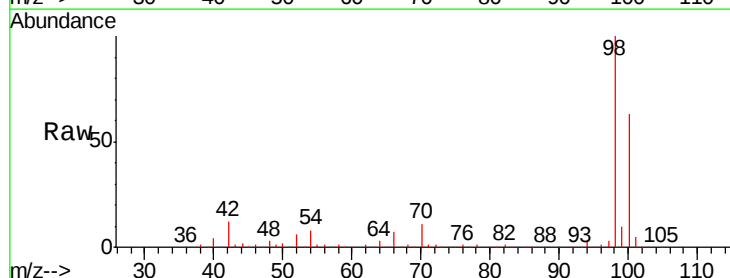
Ion 43.00 (42.70 to 43.70): VN052058.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2297) (-)



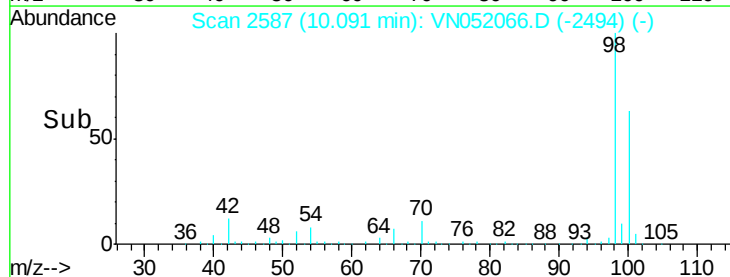
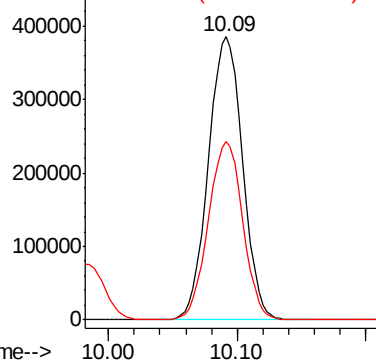
#50
Toluene-d8
Concen: 1280.32 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

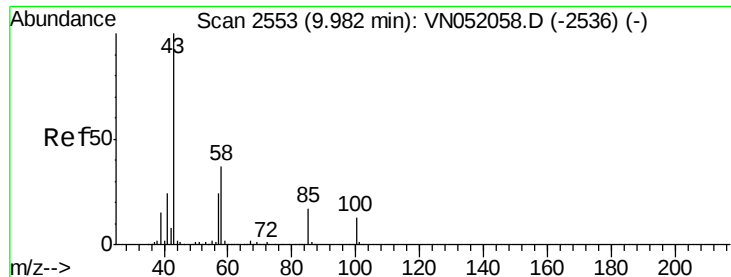
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.4	77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052058.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052058.D (-2570) (-)





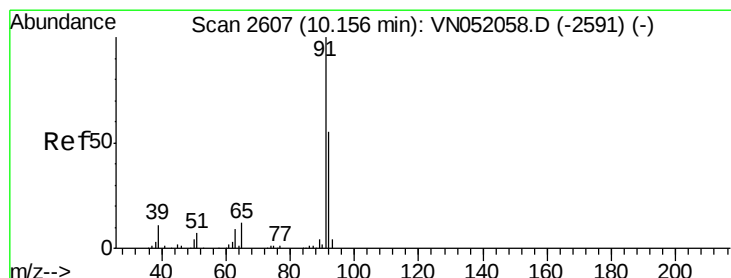
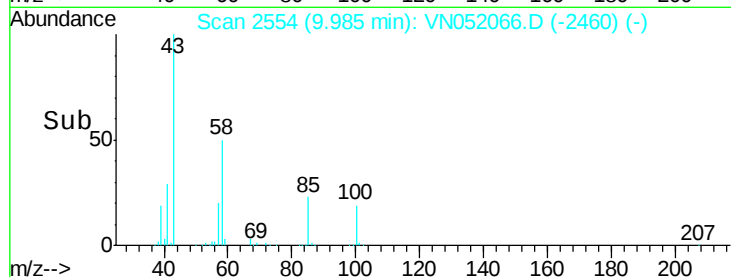
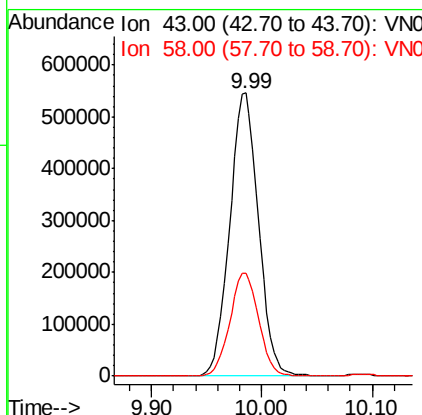
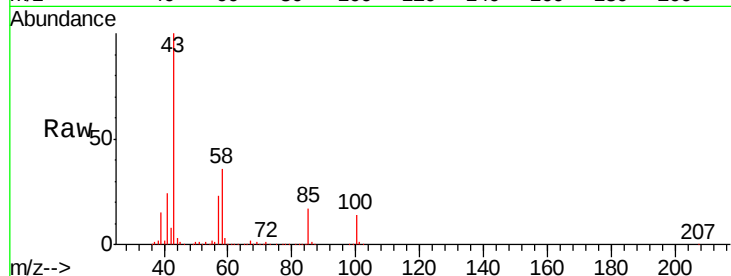
#51
 4-Methyl-2-Pentanone
 Concen: 247.59 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 986104
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.7 44.5

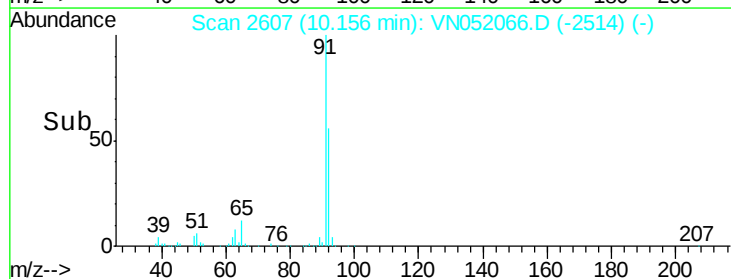
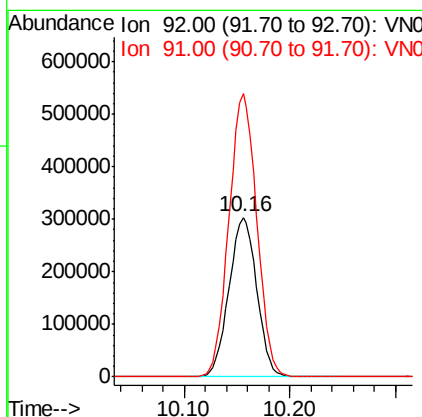
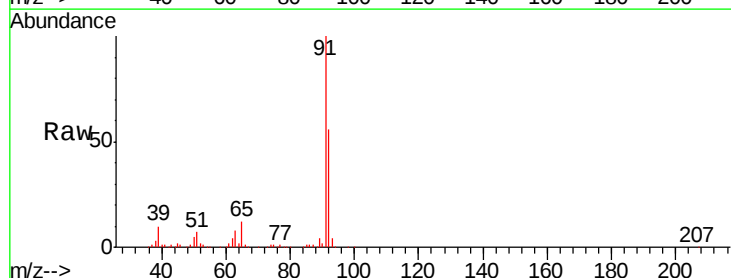
Manual Integrations
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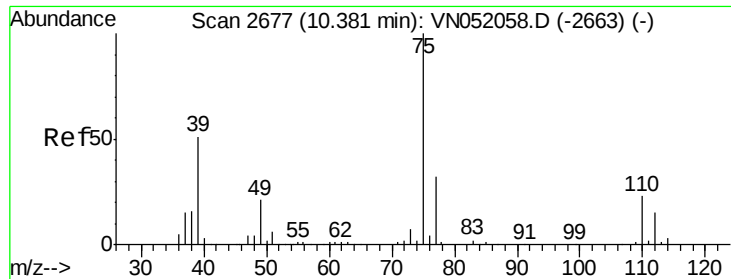
MMDadoda
 11/2/2018 1:11:01 PM



#52
 Toluene
 Concen: 51.35 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Tgt Ion: 92 Resp: 551833
 Ion Ratio Lower Upper
 92 100
 91 178.2 143.9 215.9





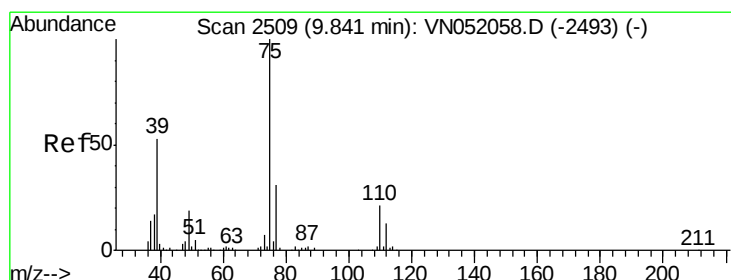
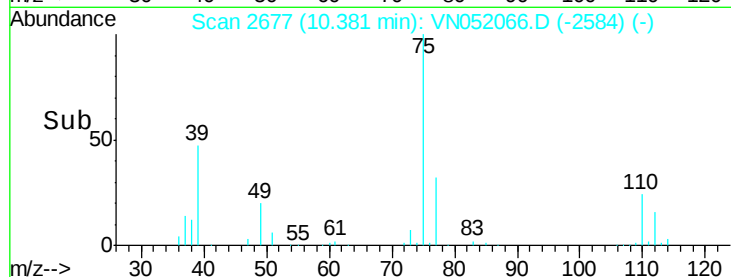
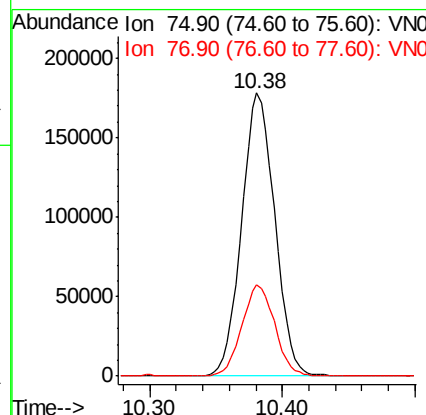
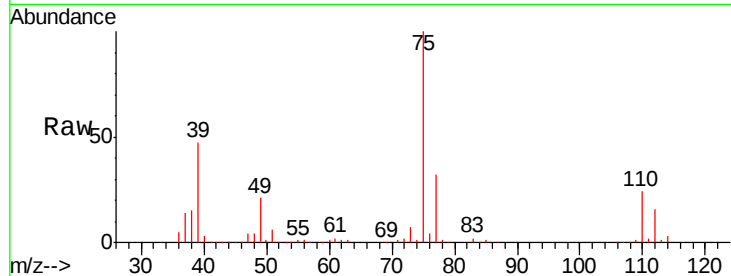
#53
t-1,3-Dichloropropene
Concen: 49.48 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 309278
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4

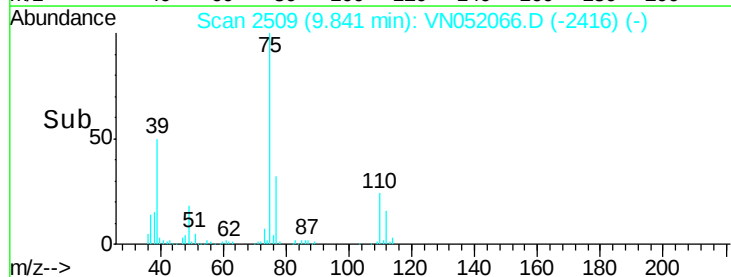
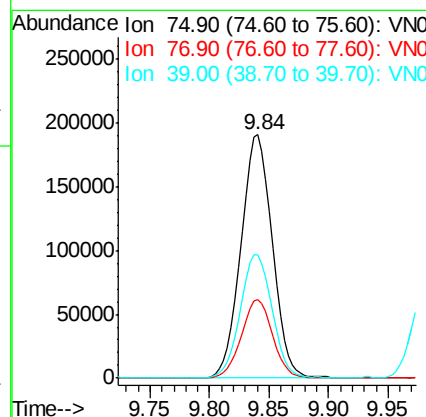
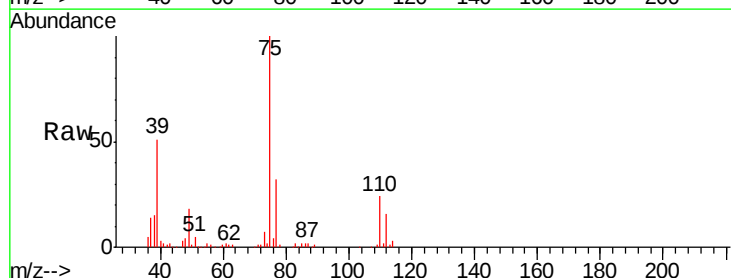
Manual Integrations
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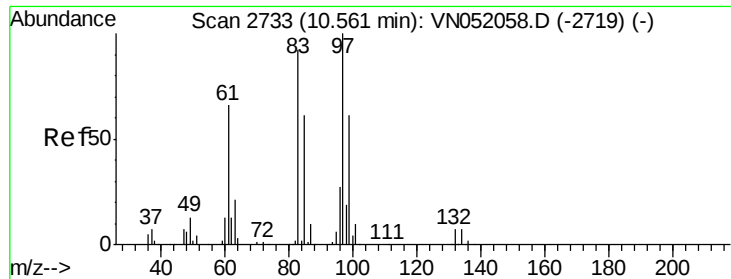
MMDadoda
11/2/2018 1:11:01 PM



#54
cis-1,3-Dichloropropene
Concen: 50.46 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion: 75 Resp: 350265
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4
39 50.4 42.3 63.5





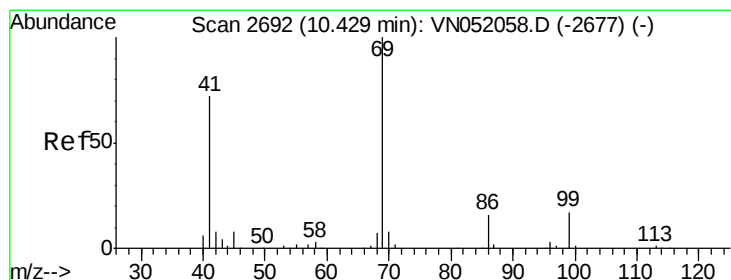
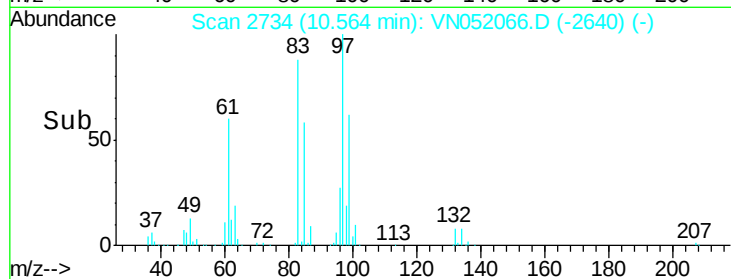
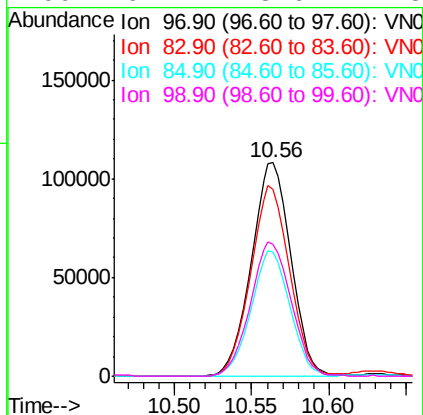
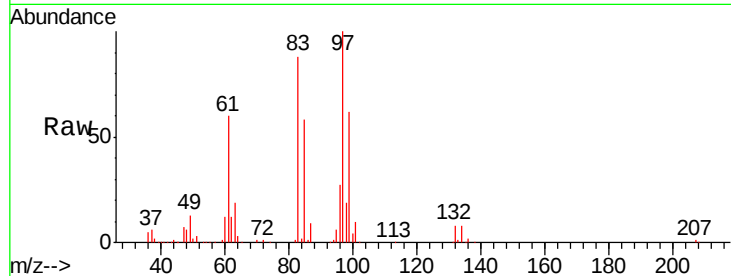
#55
 1,1,2-Trichloroethane
 Concen: 50.30 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.7	73.8	110.8
85	58.1	48.4	72.6
99	61.7	48.6	72.8

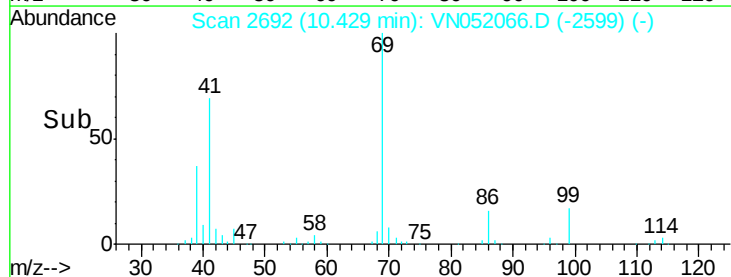
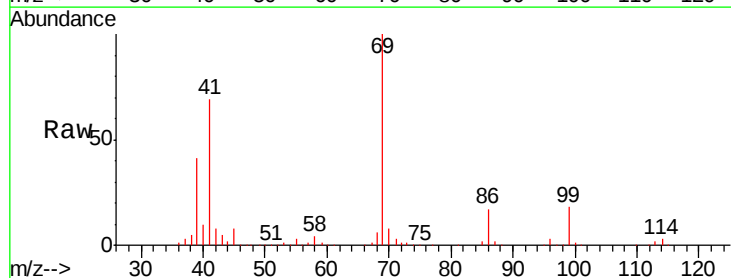
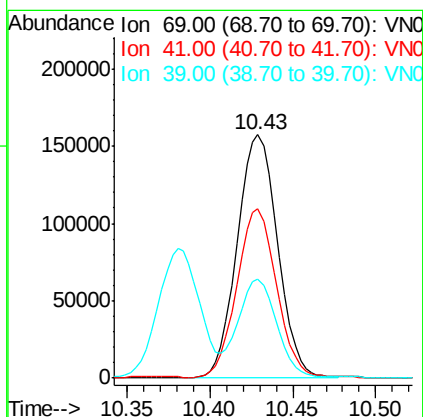
Manual Integrations
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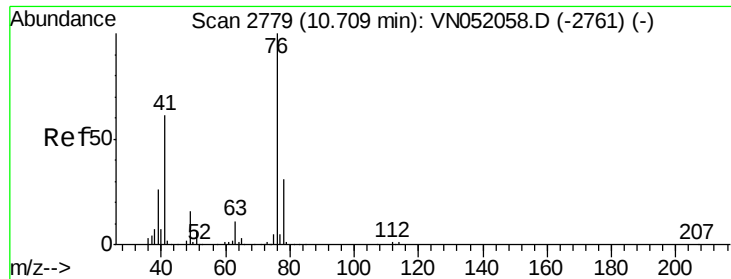
MMDadoda
 11/2/2018 1:11:01 PM



#56
 Ethyl methacrylate
 Concen: 48.93 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.2	55.5	83.3
39	38.7	33.0	49.4





#57

1,3-Dichloropropane

Concen: 48.19 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 339428

Ion Ratio Lower Upper

76 100

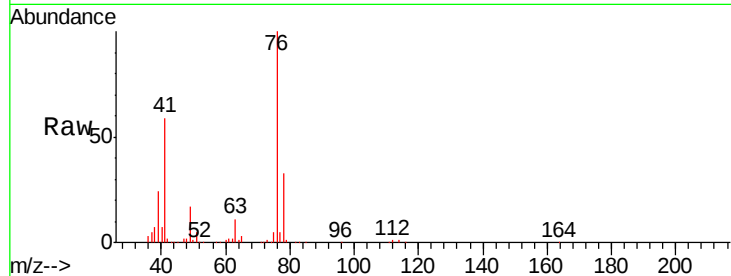
78 33.2 25.4 38.0

Manual Integrations

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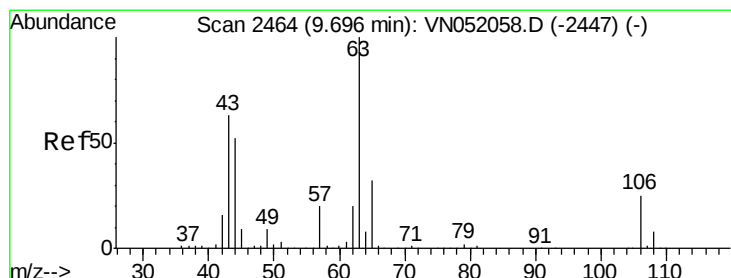
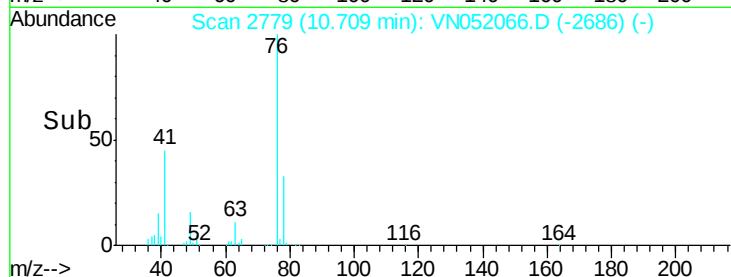
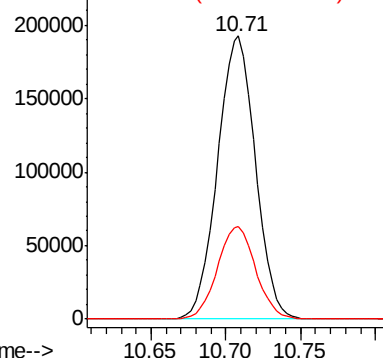
MMDadoda

11/2/2018 1:11:01 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 237.01 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052066.D

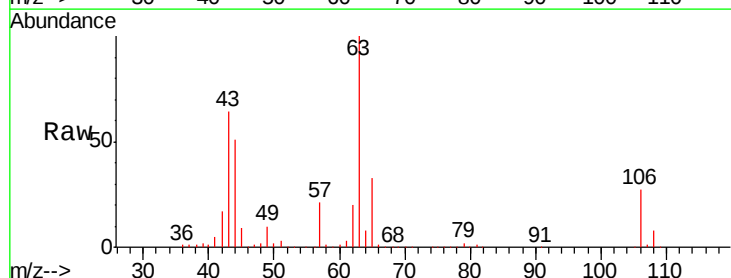
Acq: 31 Oct 2018 11:12

Tgt Ion: 63 Resp: 690300

Ion Ratio Lower Upper

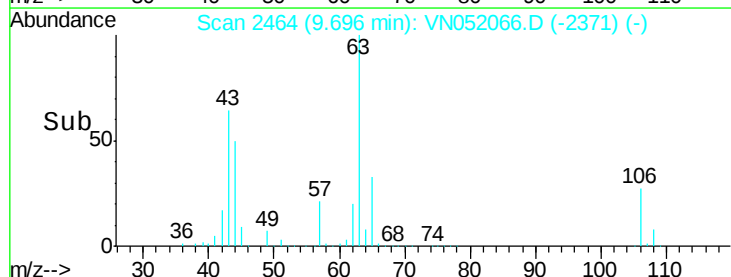
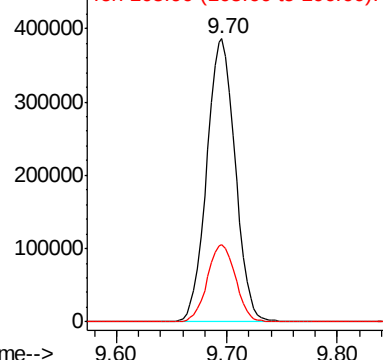
63 100

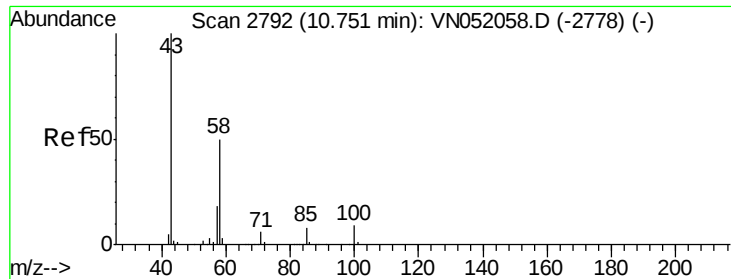
106 27.2 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





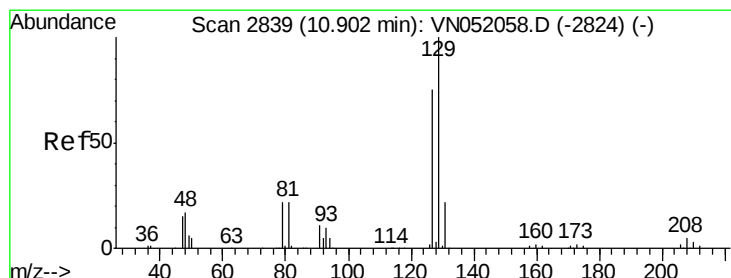
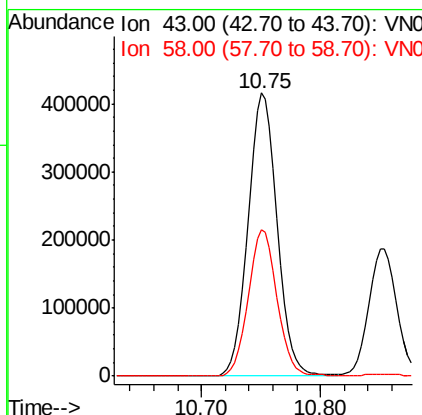
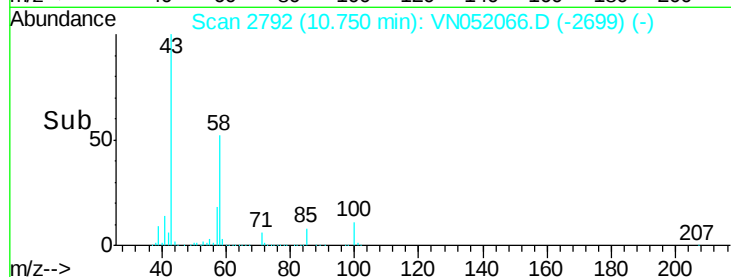
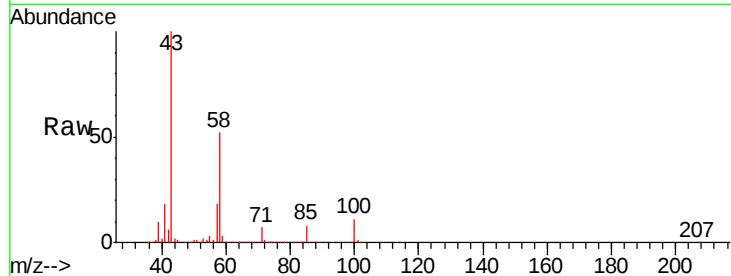
#59
2-Hexanone
Concen: 247.35 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 702034
Ion Ratio Lower Upper
43 100
58 51.3 25.2 75.6

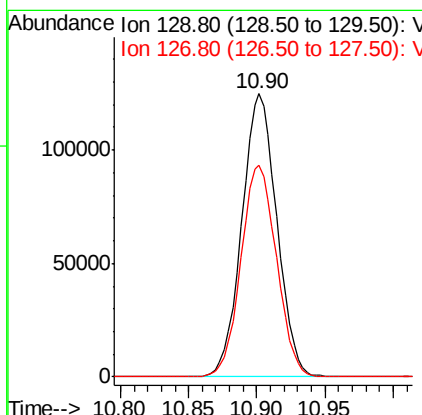
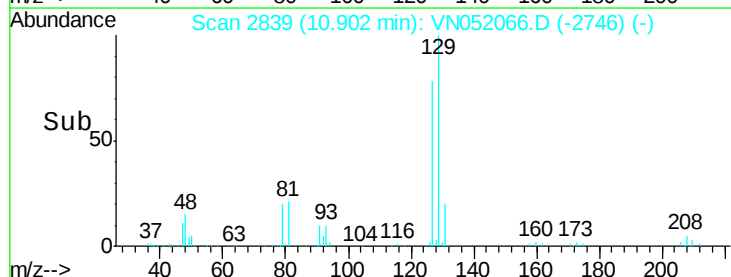
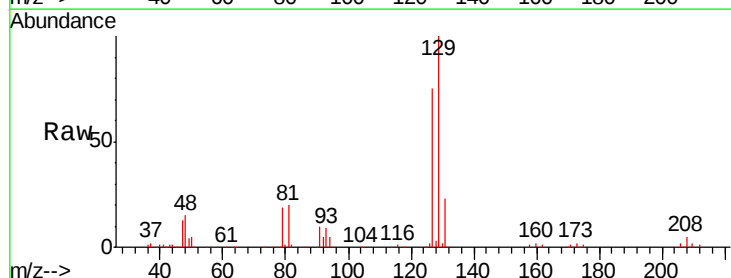
Manual Integrations
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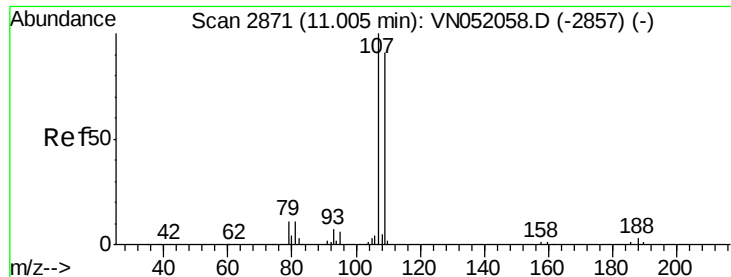
MMDadoda
11/2/2018 1:11:01 PM



#60
Dibromochloromethane
Concen: 58.98 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion: 129 Resp: 222247
Ion Ratio Lower Upper
129 100
127 75.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.66 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 200373

Ion Ratio Lower Upper

107 100

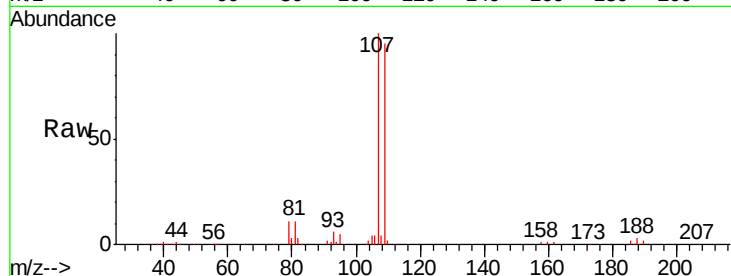
109 96.3 75.1 112.7

Manual Integrations

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11/2/2018 1:11:01 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

120000

100000

80000

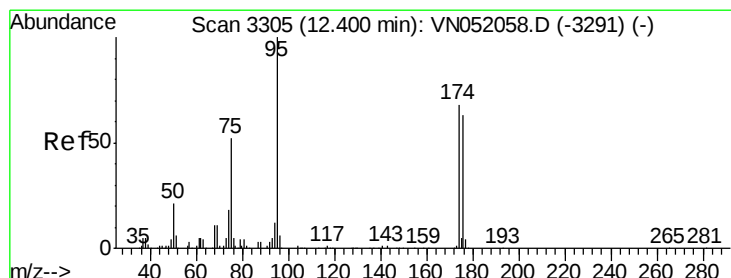
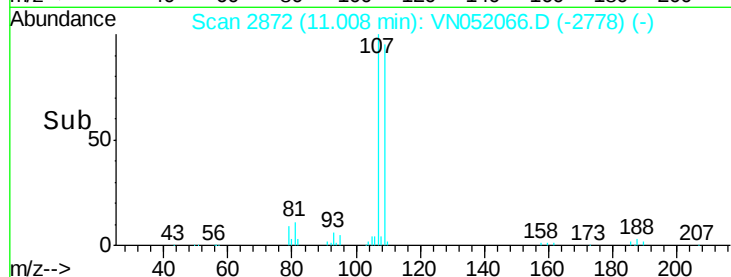
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 52.66 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

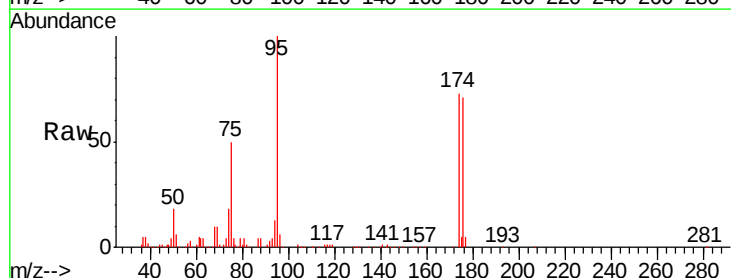
Tgt Ion: 95 Resp: 256466

Ion Ratio Lower Upper

95 100

174 71.7 0.0 131.8

176 70.1 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

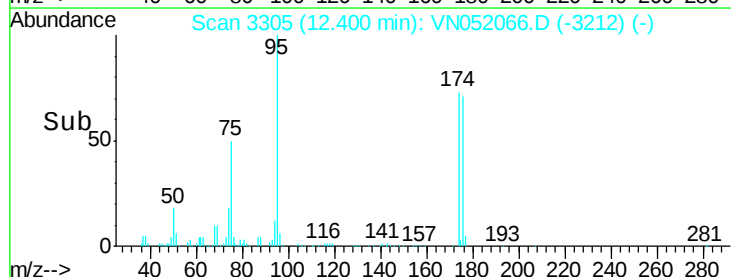
150000

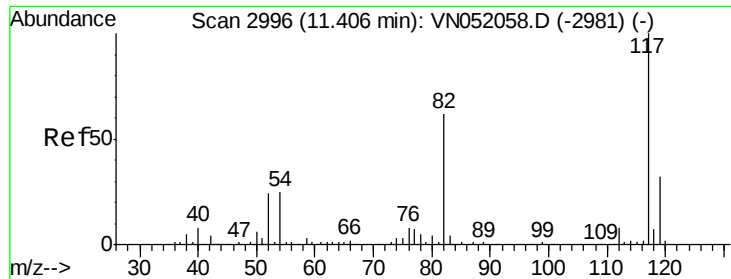
100000

50000

0

Time--> 12.35 12.40 12.45





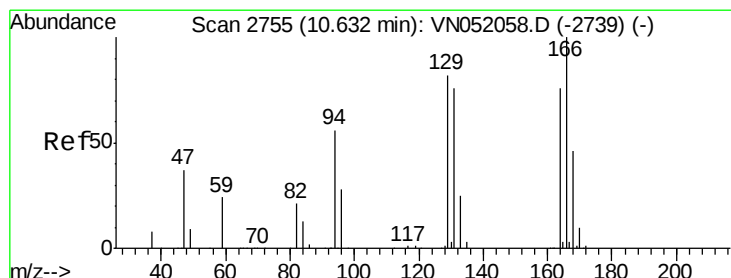
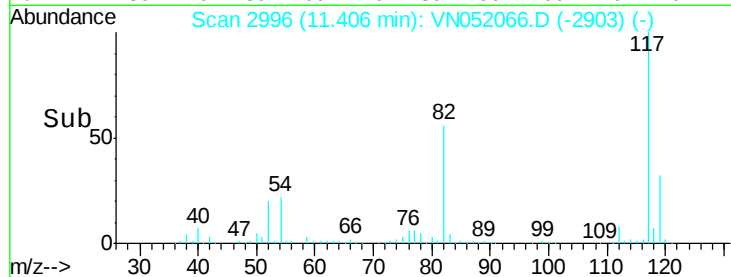
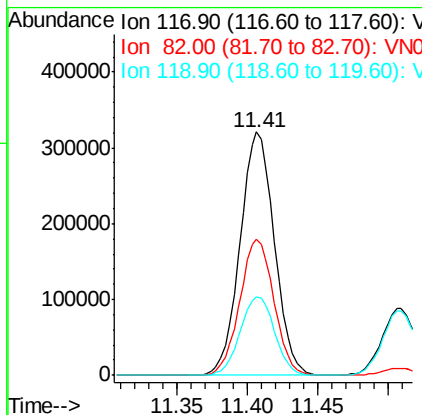
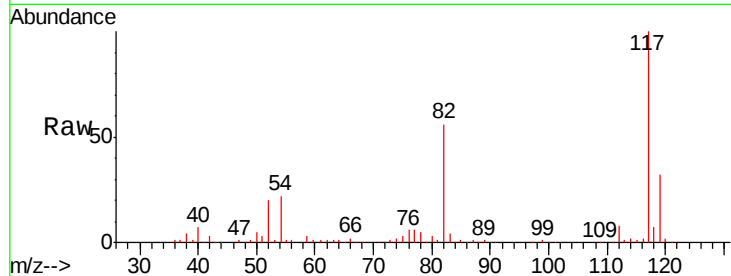
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	546893		
82	56.1	49.9	74.9	
119	32.5	25.7	38.5	

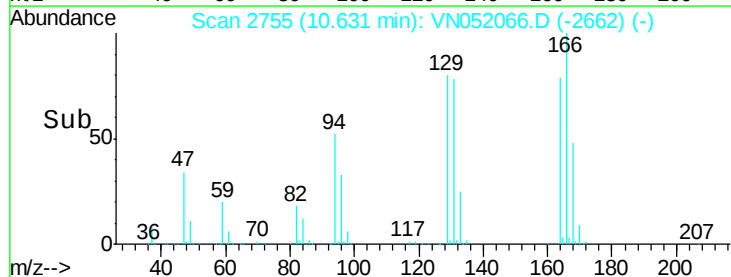
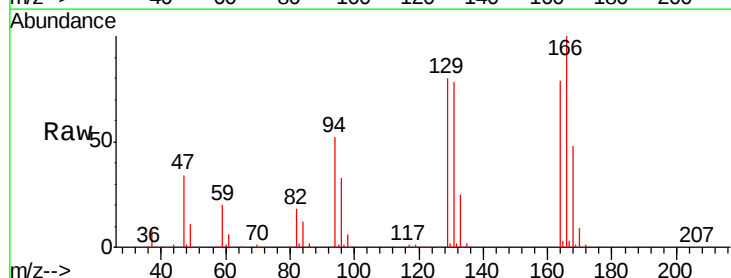
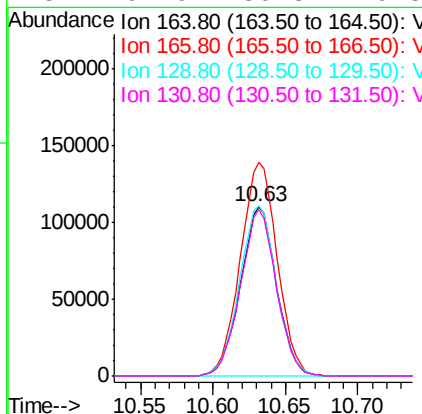
Manual Integrations
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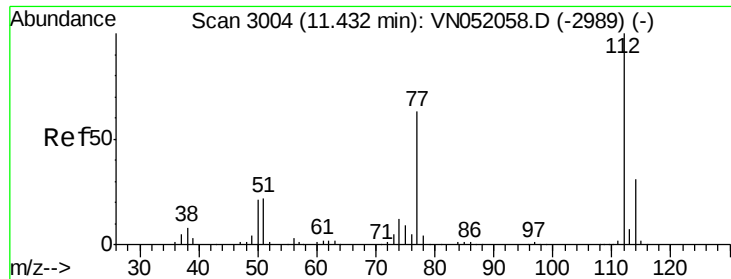
MMDadoda
11/2/2018 1:11:01 PM



#64
Tetrachloroethene
Concen: 57.32 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	189922		
166	125.9	105.4	158.0	
129	100.5	86.1	129.1	
131	97.9	80.3	120.5	





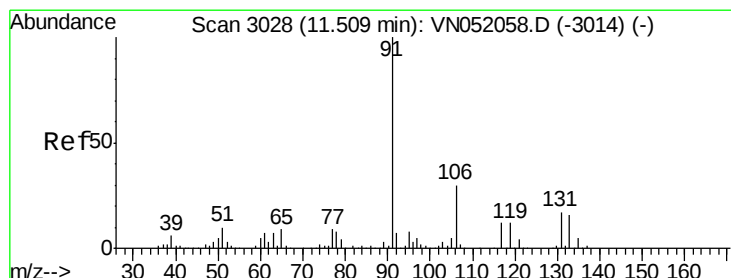
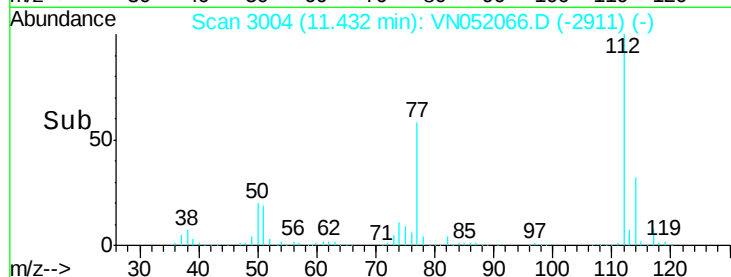
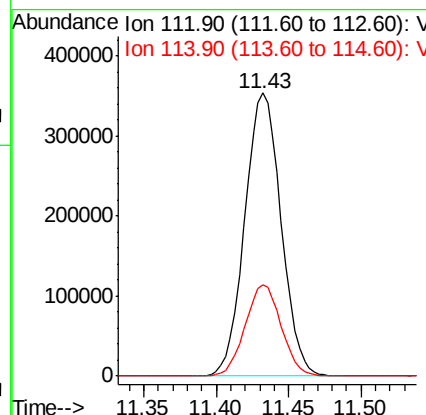
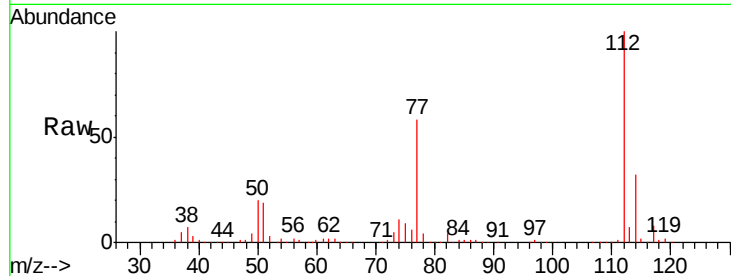
#65
Chlorobenzene
Concen: 53.50 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:112 Resp: 616233
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7

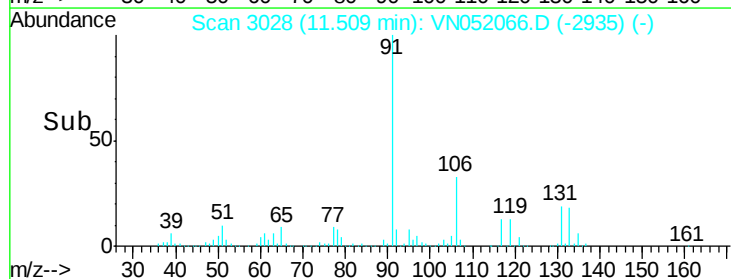
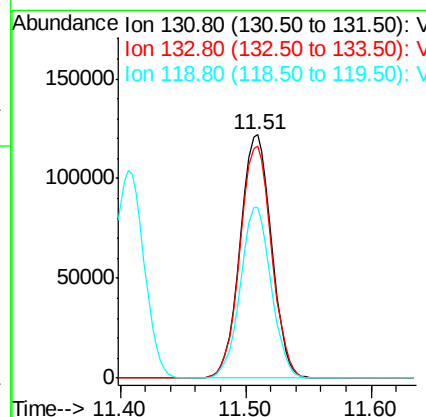
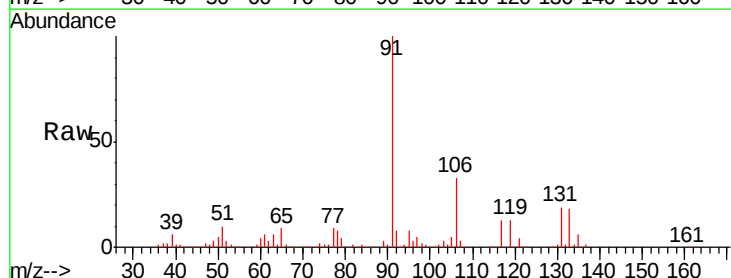
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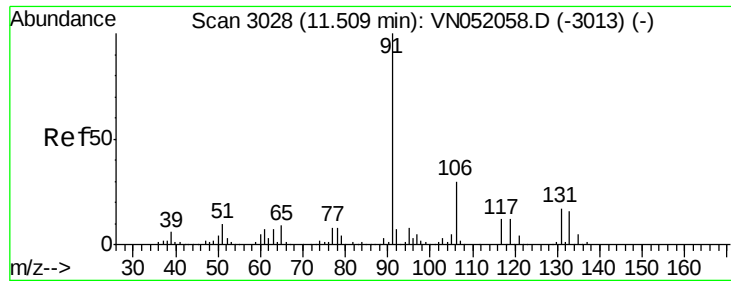
MMDadoda
11/2/2018 1:11:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 58.69 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion:131 Resp: 212283
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.9
119 68.7 34.4 103.2





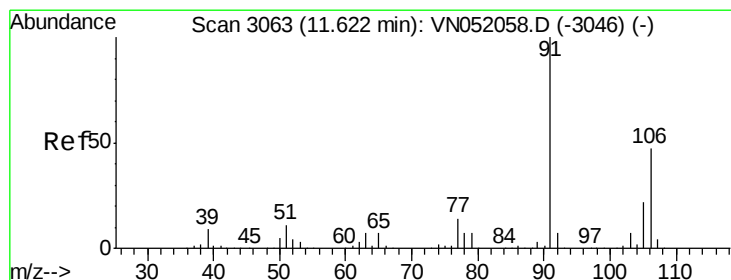
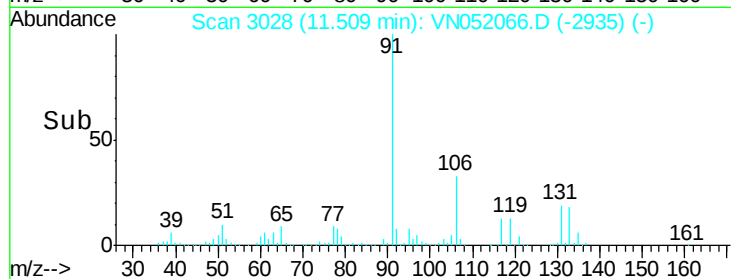
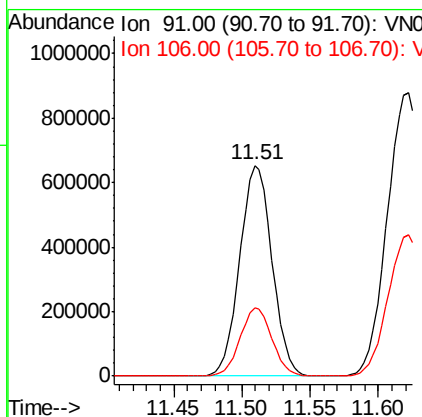
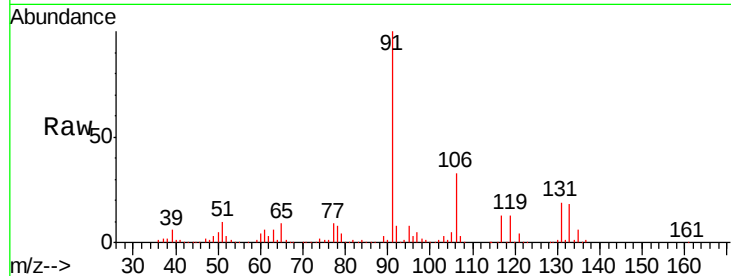
#67
Ethyl Benzene
Concen: 52.37 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1075844
Ion Ratio Lower Upper
91 100
106 32.5 24.1 36.1

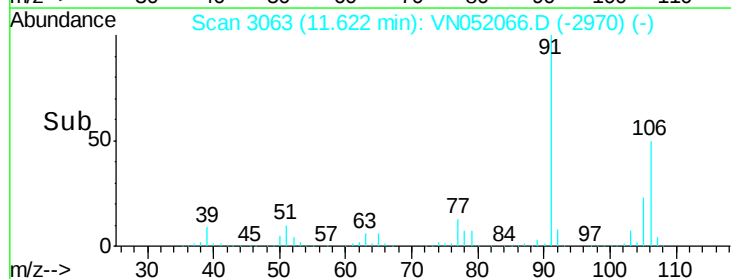
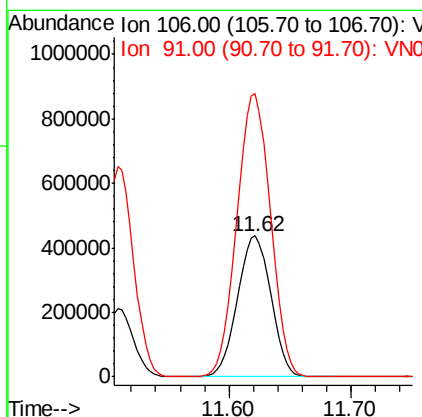
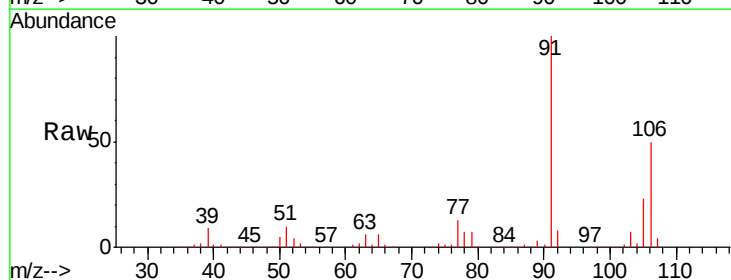
Manual Integrations
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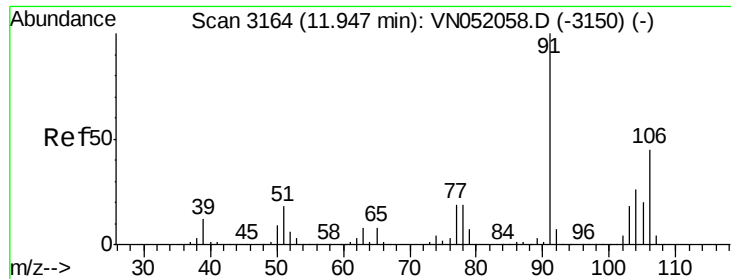
MMDadoda
11/2/2018 1:11:01 PM



#68
m/p-Xylenes
Concen: 112.59 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion: 106 Resp: 827838
Ion Ratio Lower Upper
106 100
91 202.2 168.7 253.1





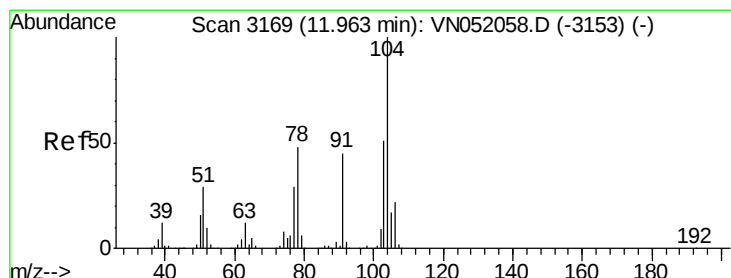
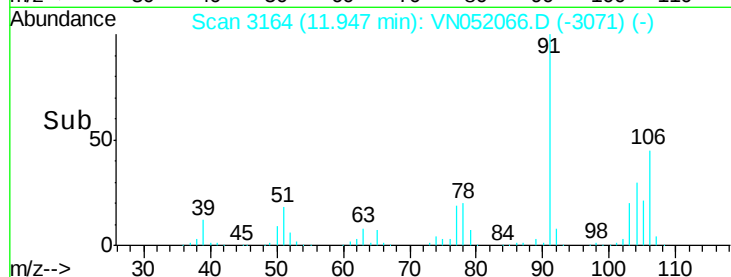
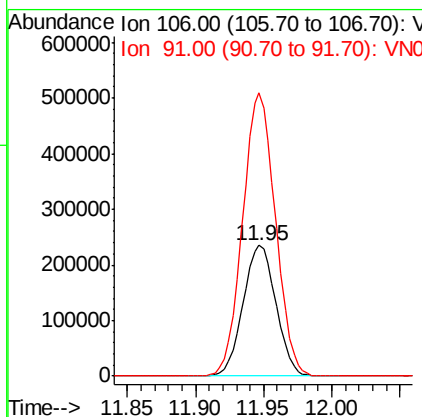
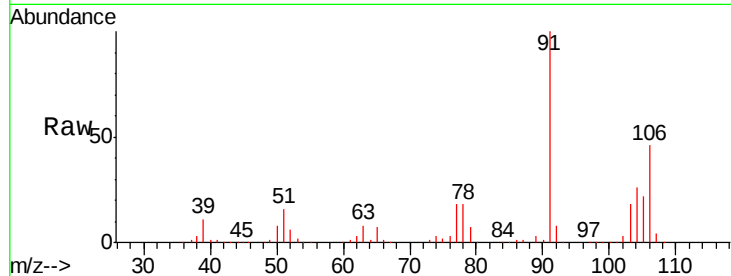
#69
o-Xylene
Concen: 54.01 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 392961
Ion Ratio Lower Upper
106 100
91 215.5 109.6 328.6

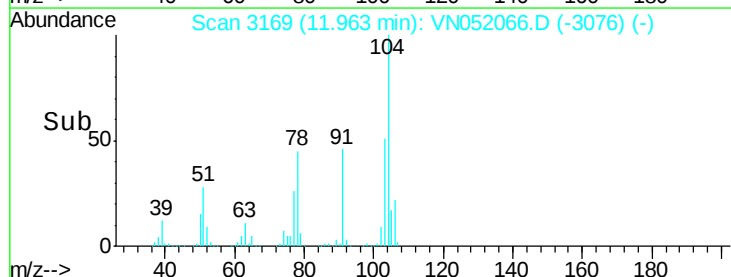
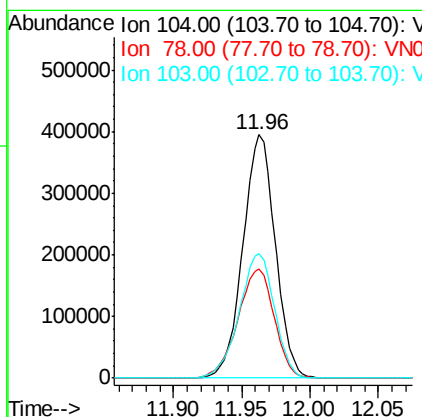
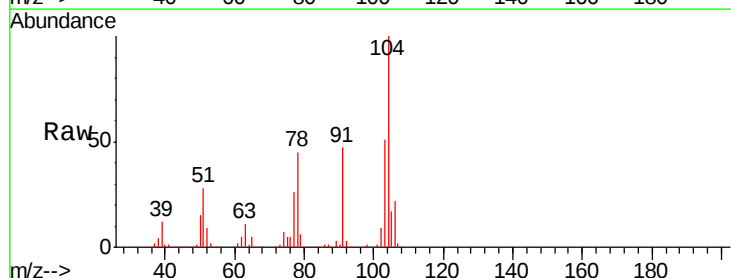
Manual Integrations
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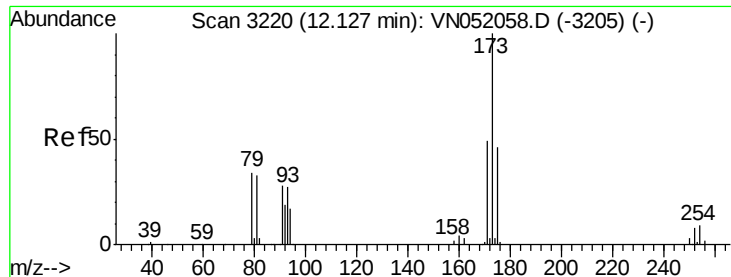
MMDadoda
11/2/2018 1:11:01 PM



#70
Styrene
Concen: 55.30 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion:104 Resp: 651002
Ion Ratio Lower Upper
104 100
78 50.5 43.0 64.6
103 55.8 45.1 67.7





#71

Bromoform

Concen: 55.24 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 128958

Ion Ratio Lower Upper

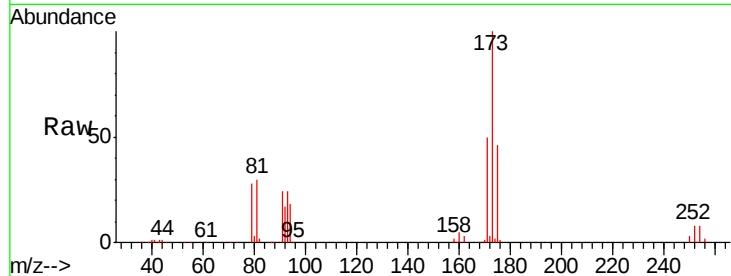
173 100

175 46.3 23.9 71.7

254 0.1 0.0 0.0#

Manual Integrations
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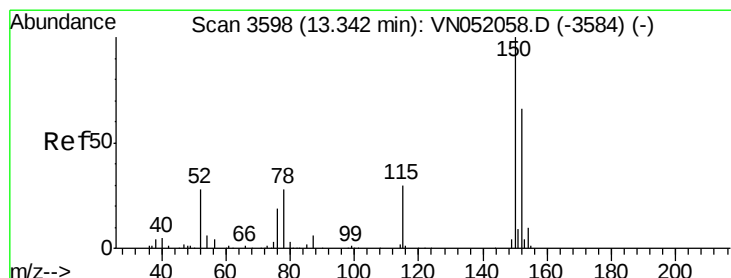
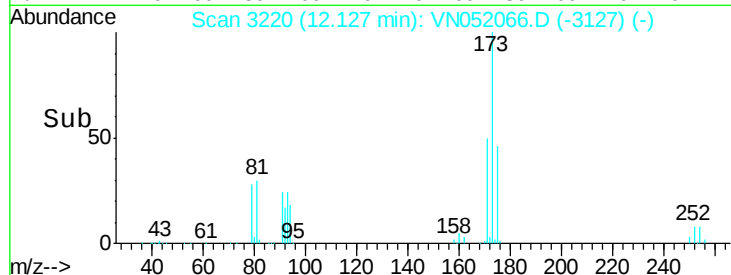
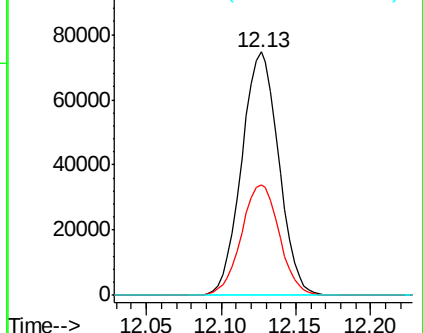
MMDadoda
11/2/2018 1:11:01 PM



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: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

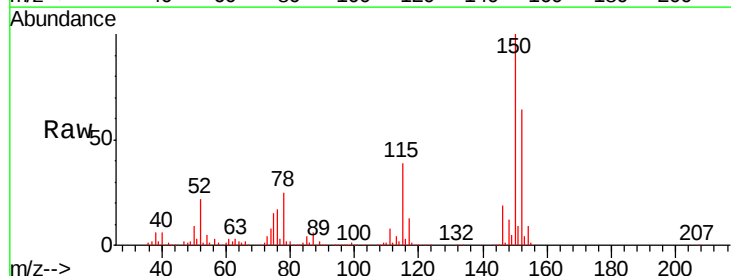
Tgt Ion:152 Resp: 245308

Ion Ratio Lower Upper

152 100

115 61.7 31.6 95.0

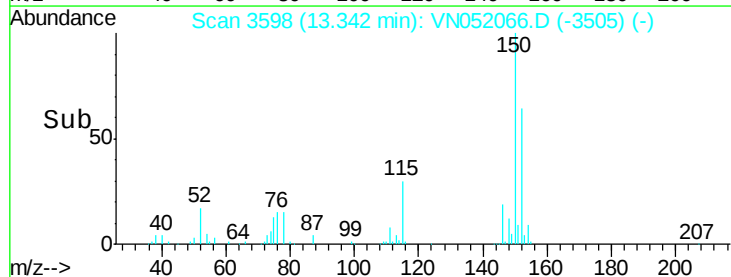
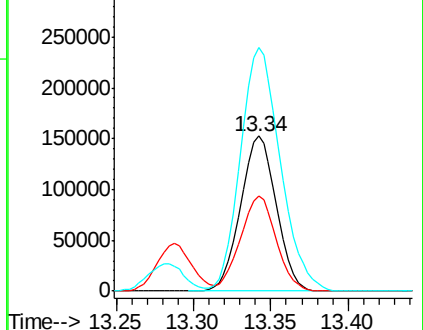
150 175.6 0.0 345.0

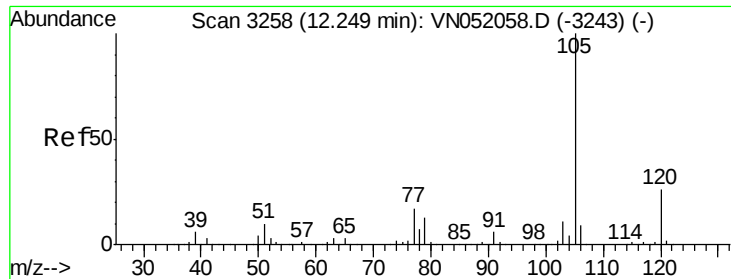


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.84 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1066489

Ion Ratio Lower Upper

105 100

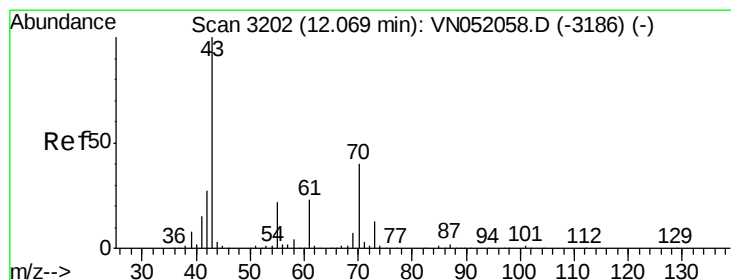
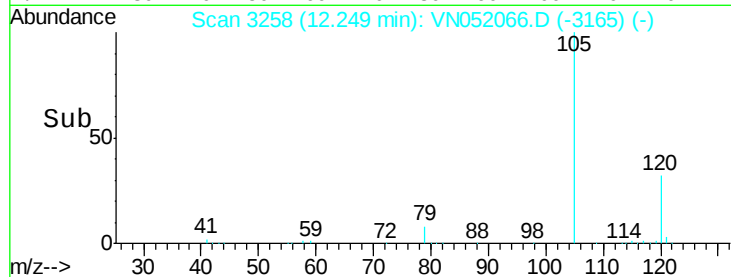
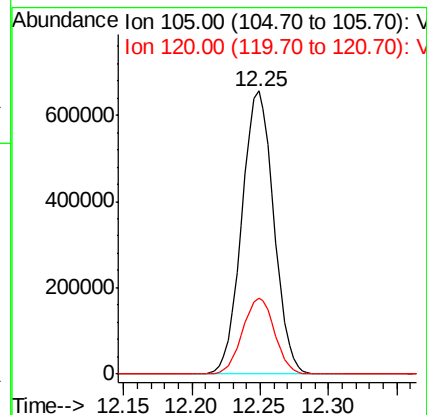
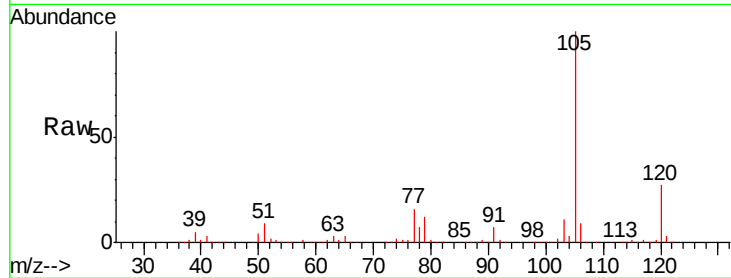
120 27.0 12.8 38.4

Manual Integrations

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11/2/2018 1:11:01 PM



#74

N-ethyl acetate

Concen: 44.50 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Tgt Ion: 43 Resp: 325755

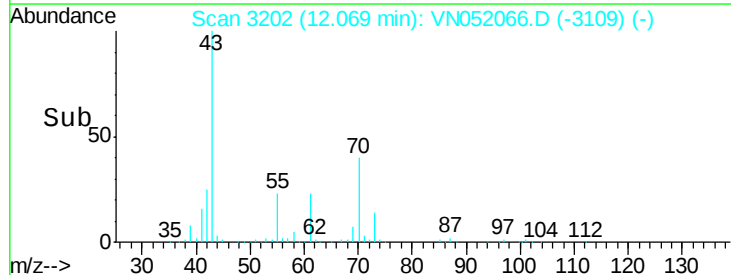
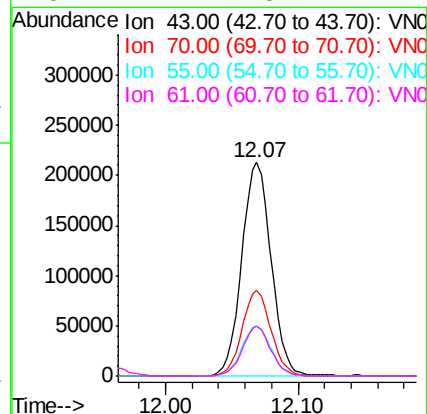
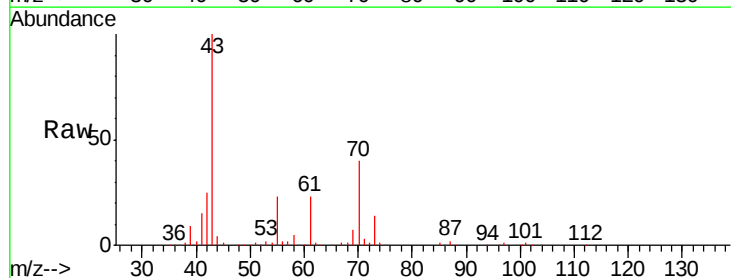
Ion Ratio Lower Upper

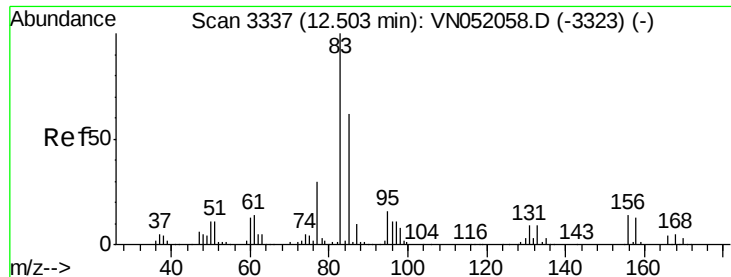
43 100

70 39.9 31.9 47.9

55 23.7 18.4 27.6

61 22.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.70 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

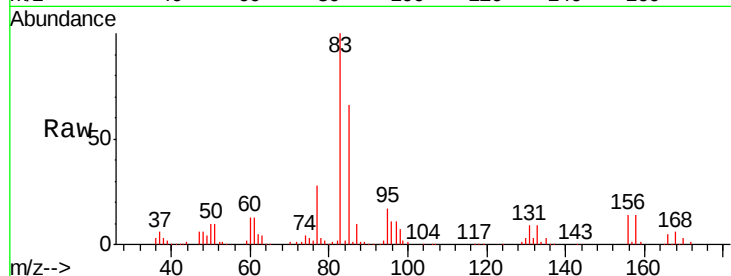
ClientSampled :

VSTDCCC050

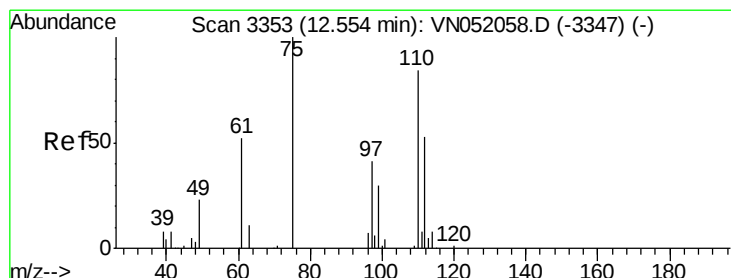
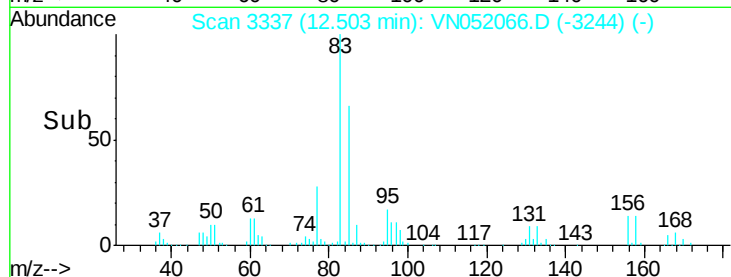
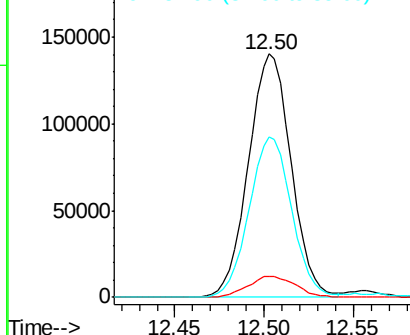
Tgt Ion:	83	Resp:	234912
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.5	13.4
85	65.6	31.3	93.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 49.75 ug/l m

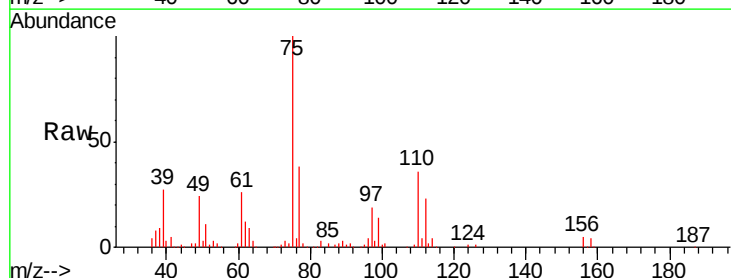
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

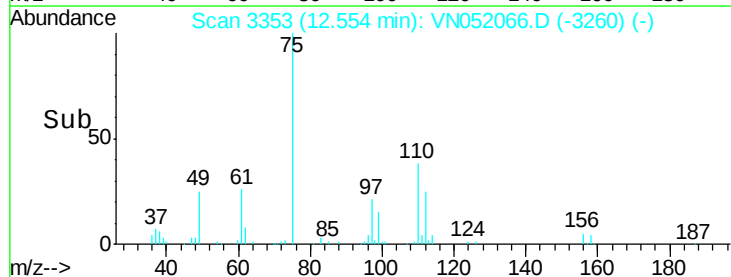
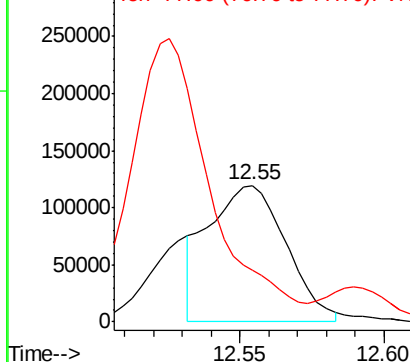
Lab File: VN052066.D

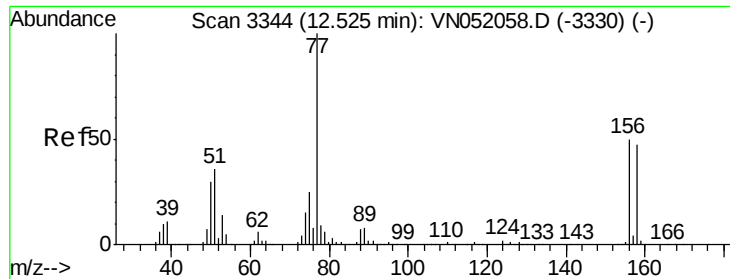
Acq: 31 Oct 2018 11:12

Tgt Ion:	75	Resp:	223405
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 54.49 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

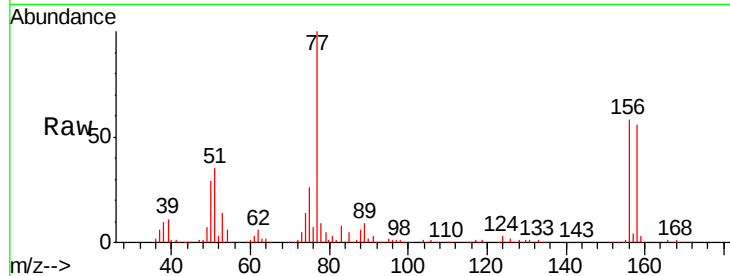
ClientSampleId :

VSTDCCC050

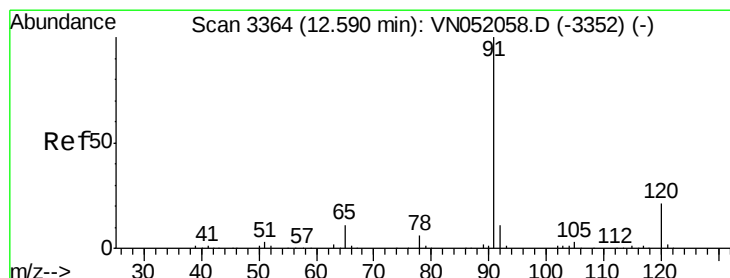
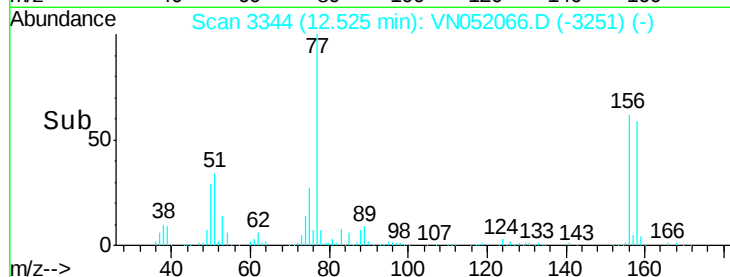
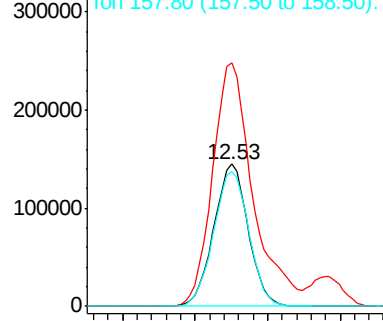
Tgt Ion:	156	Resp:	239150
Ion Ratio	Lower	Upper	
156	100		
77	201.0	119.6	358.6
158	97.2	47.8	143.4

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V



#78

n-propylbenzene

Concen: 48.54 ug/l

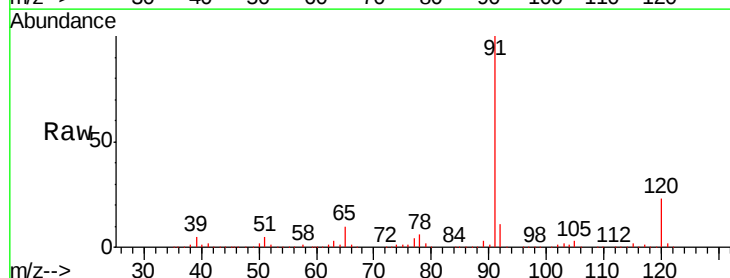
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

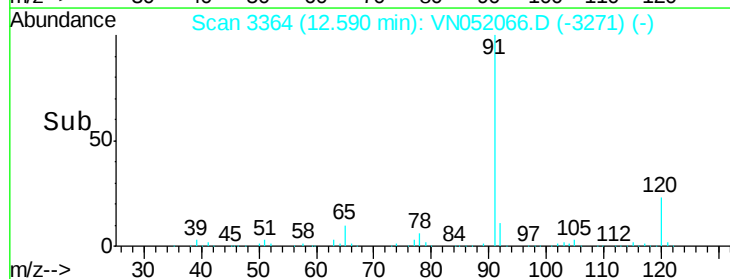
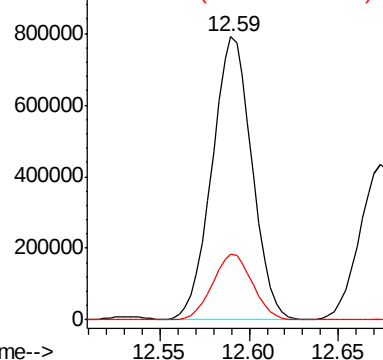
Lab File: VN052066.D

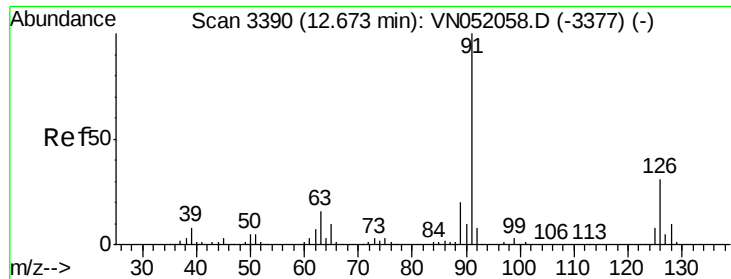
Acq: 31 Oct 2018 11:12

Tgt Ion:	91	Resp:	1233875
Ion Ratio	Lower	Upper	
91	100		
120	23.2	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): V





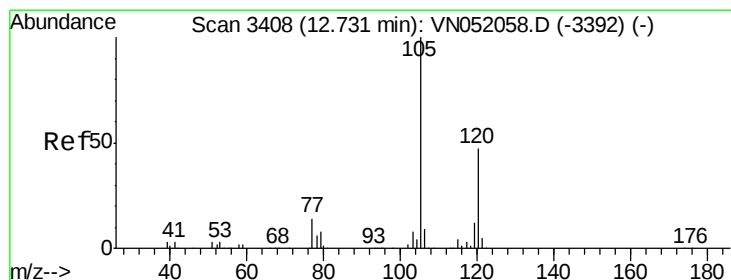
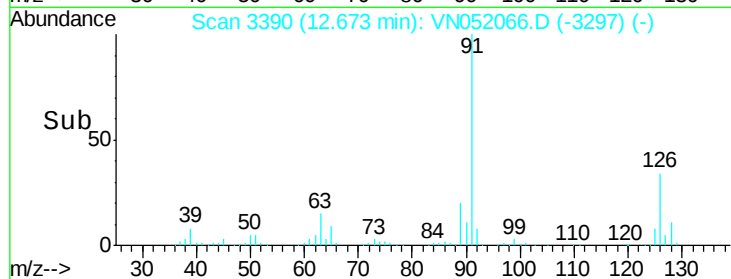
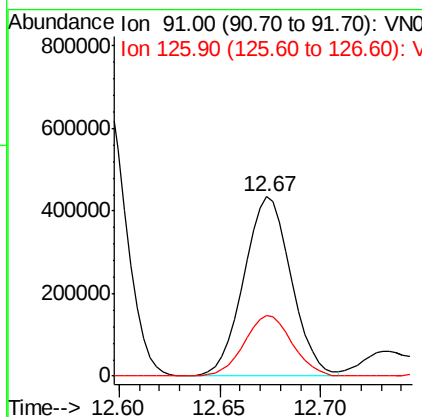
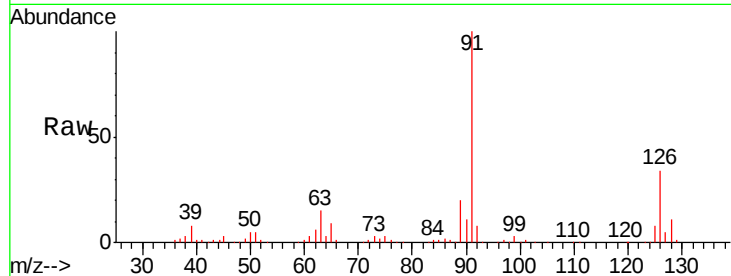
#79
 2-Chlorotoluene
 Concen: 48.03 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 711643
 Ion Ratio Lower Upper
 91 100
 126 34.4 15.9 47.6

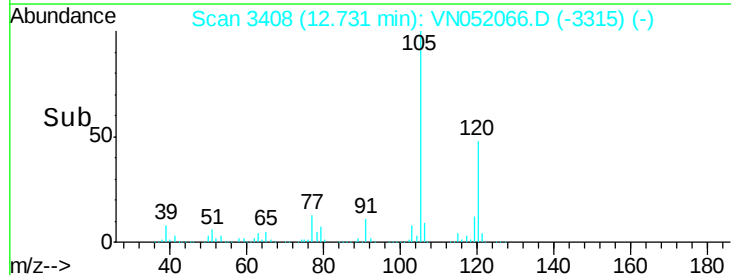
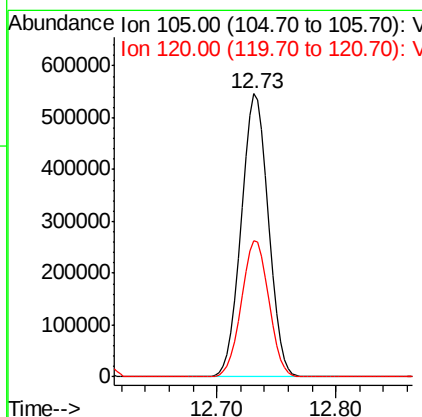
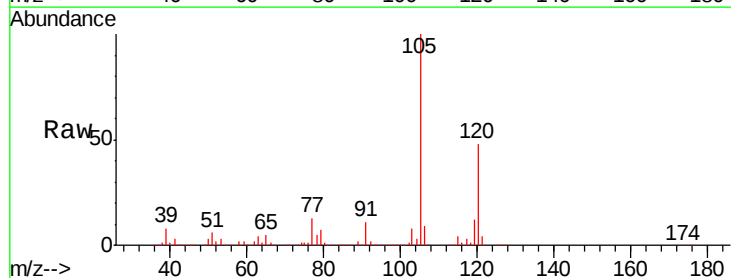
Manual Integrations
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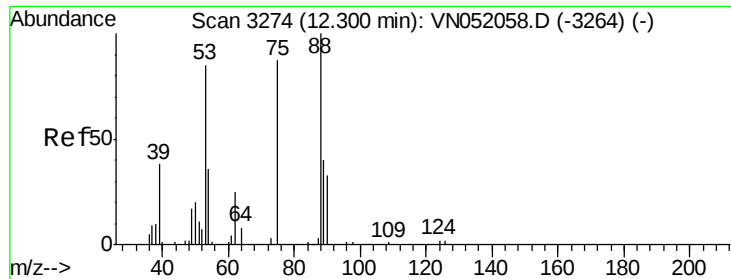
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.64 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Tgt Ion: 105 Resp: 864494
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.37 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

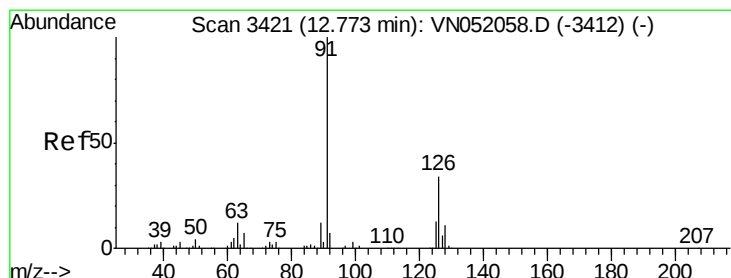
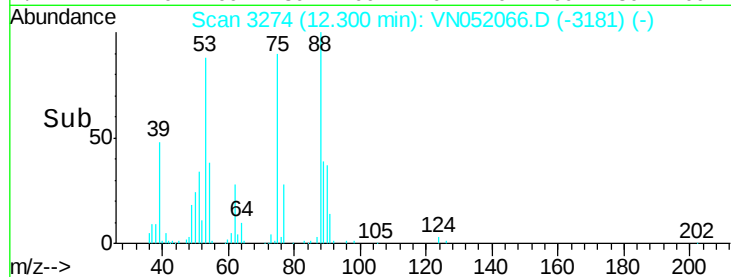
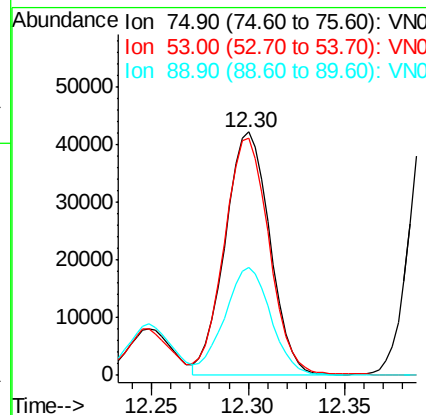
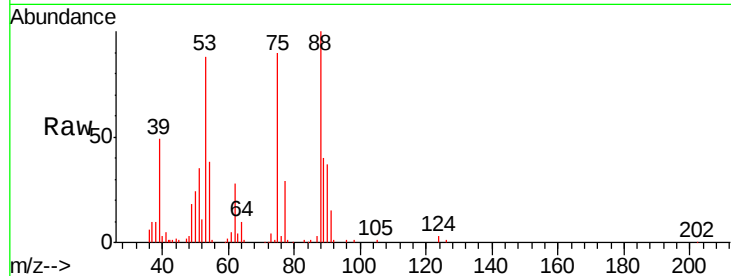
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	68146
Ion	Ratio	Lower	Upper
75	100		
53	96.7	81.8	122.6
89	45.6	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.63 ug/l

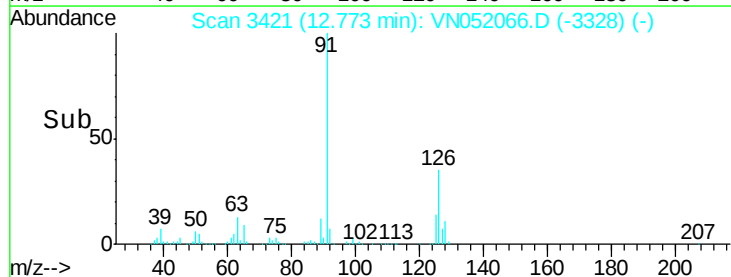
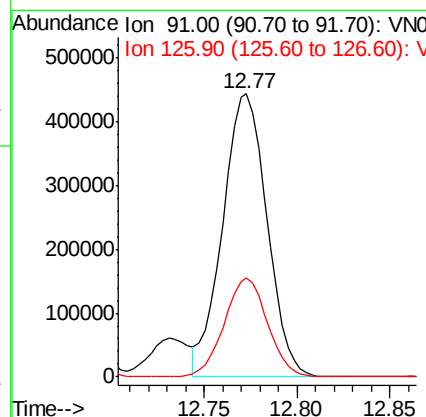
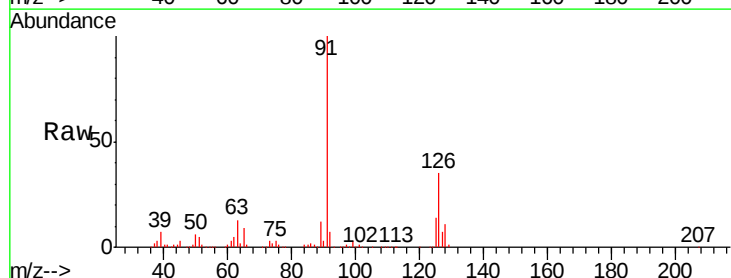
RT: 12.77 min Scan# 3421

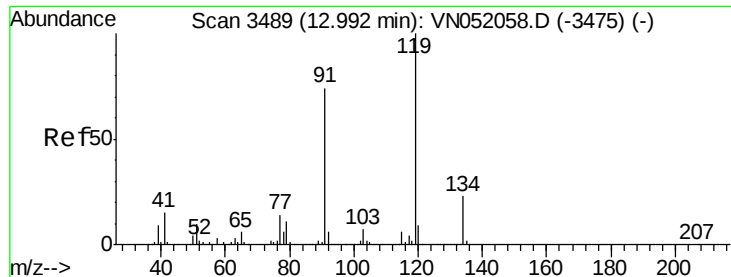
Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Tgt Ion:	91	Resp:	734768
Ion	Ratio	Lower	Upper
91	100		
126	34.1	15.7	47.1





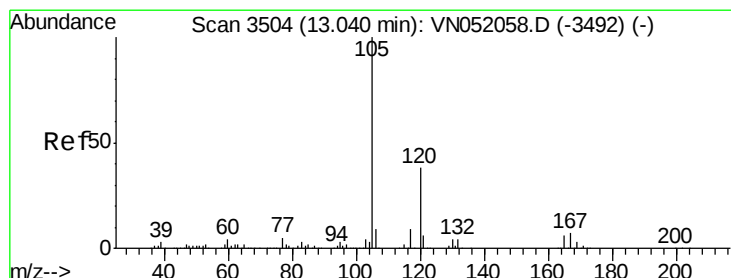
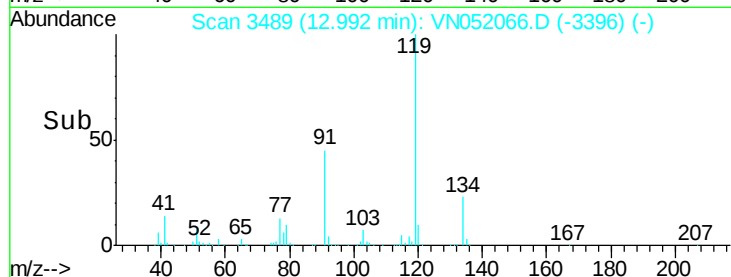
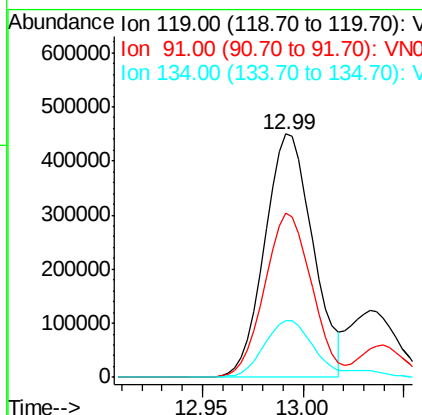
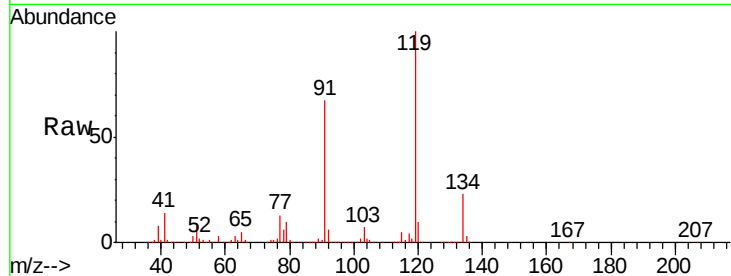
#83
 tert-Butylbenzene
 Concen: 52.01 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.2	36.6	109.9
134	24.1	12.5	37.5

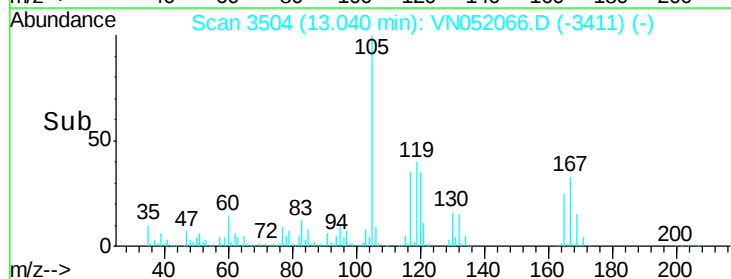
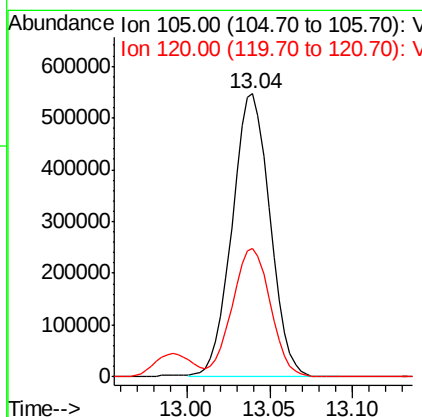
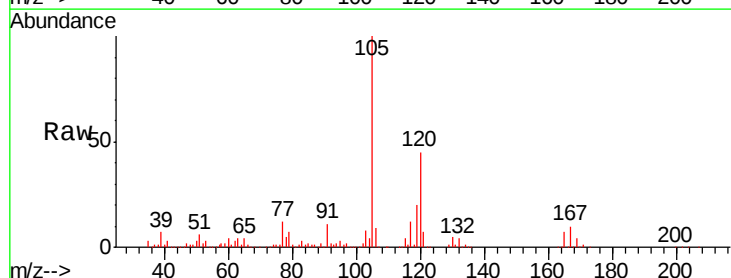
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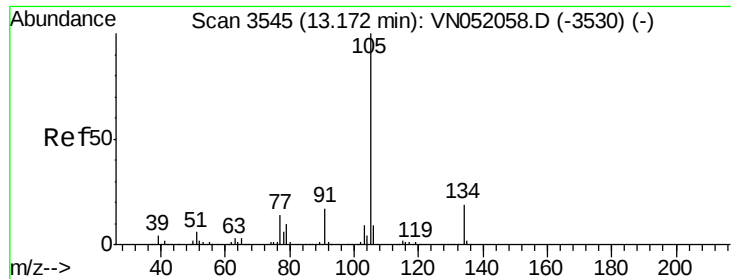
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.04 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	21.9	65.5





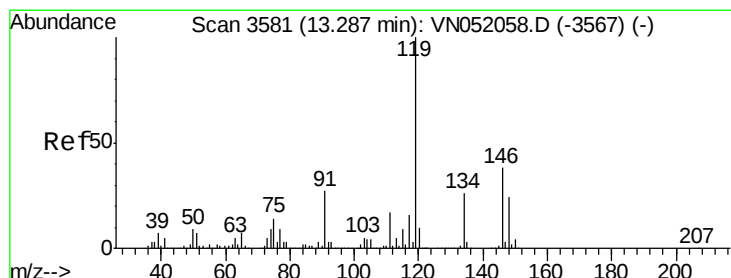
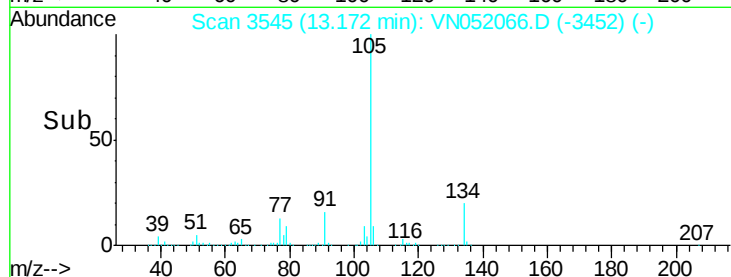
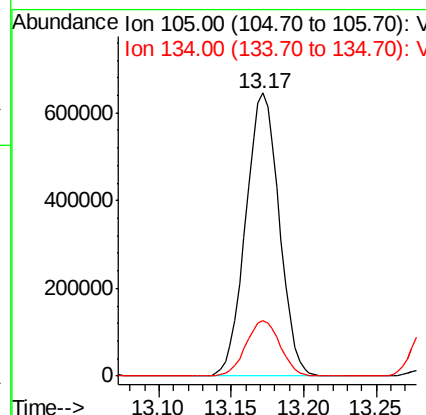
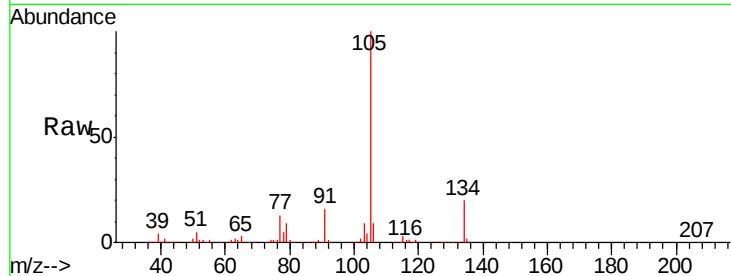
#85
 sec-Butylbenzene
 Concen: 50.60 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1036577
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.1 27.3

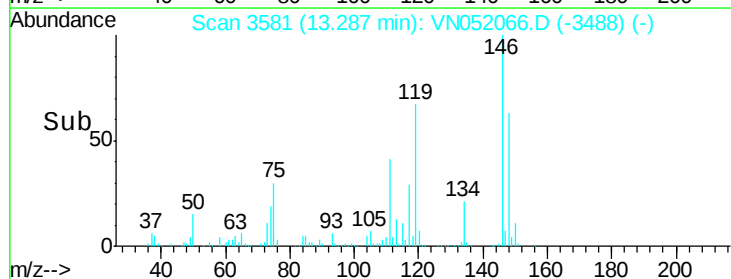
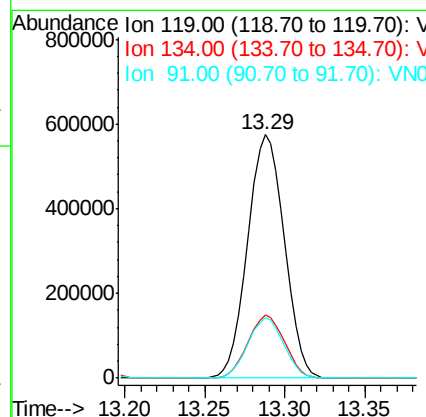
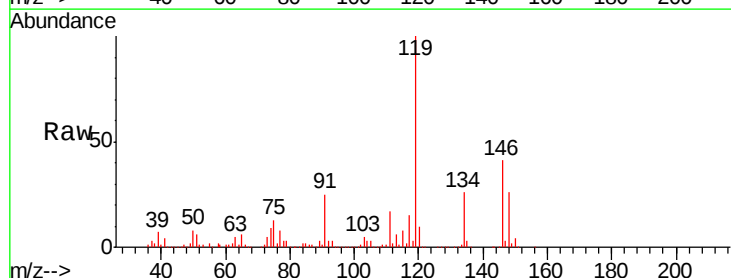
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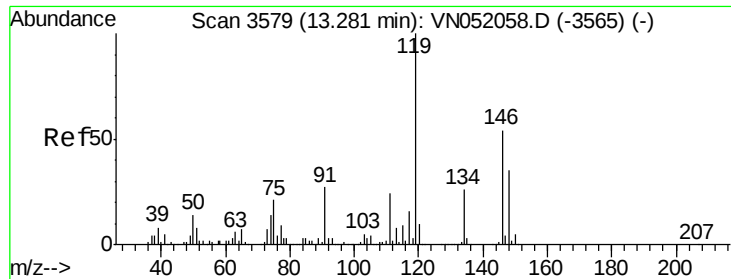
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#86
 p-Isopropyltoluene
 Concen: 53.63 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Tgt Ion:119 Resp: 894740
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.3
 91 24.4 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: 54.00 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

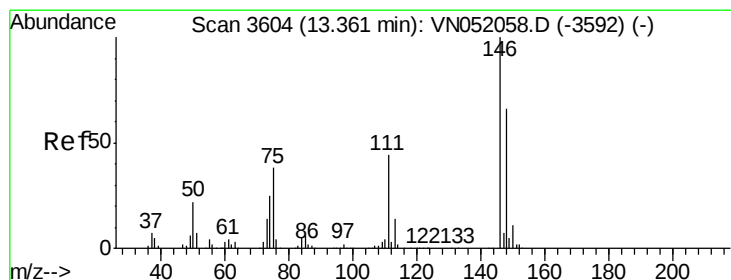
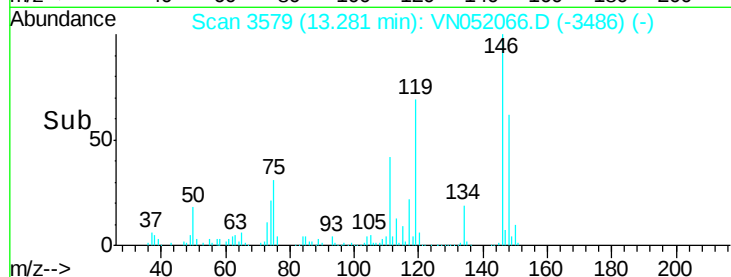
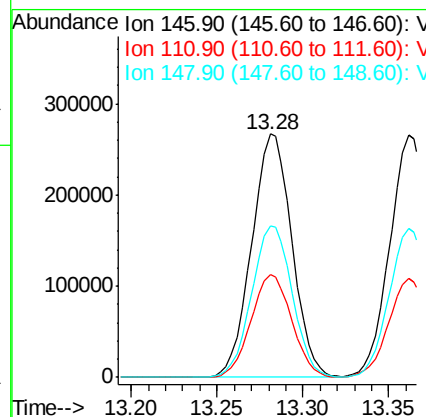
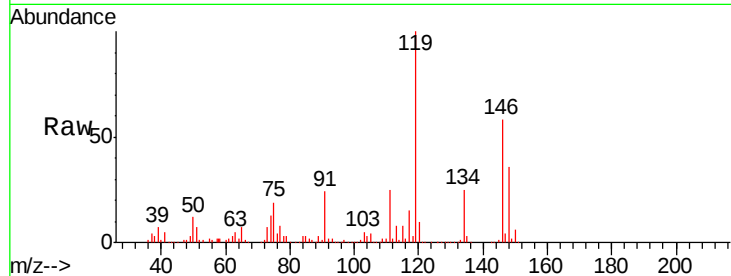
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	432241
Ion Ratio	Lower	Upper	
146	100		
111	42.7	22.9	68.8
148	62.6	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 53.59 ug/l

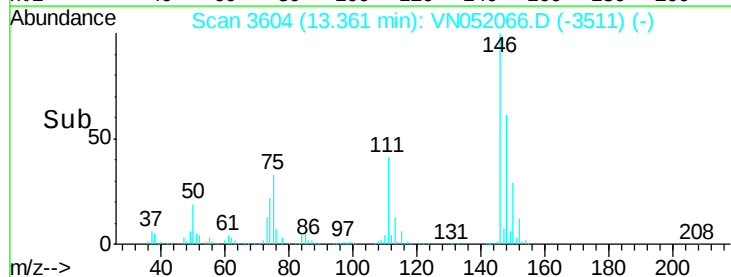
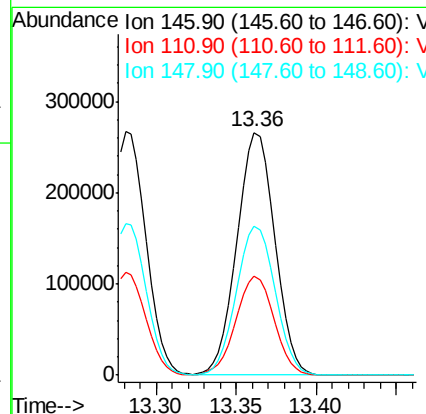
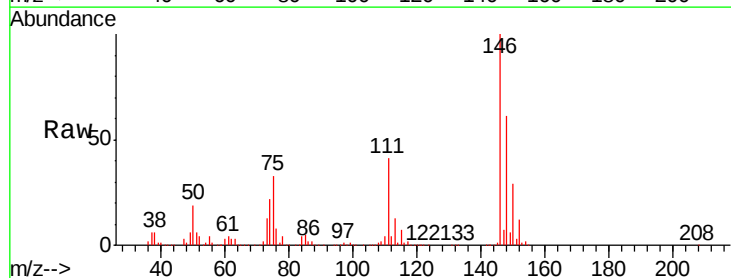
RT: 13.36 min Scan# 3604

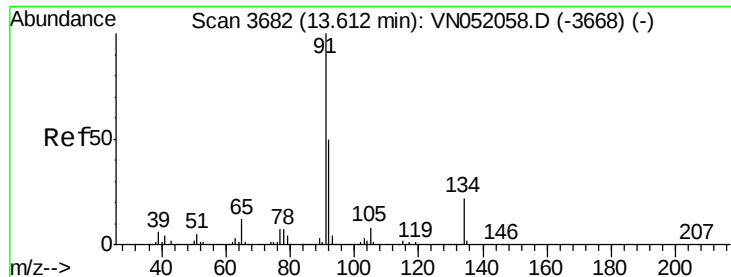
Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Tgt Ion:	146	Resp:	429925
Ion Ratio	Lower	Upper	
146	100		
111	41.0	21.9	65.8
148	62.8	32.6	98.0





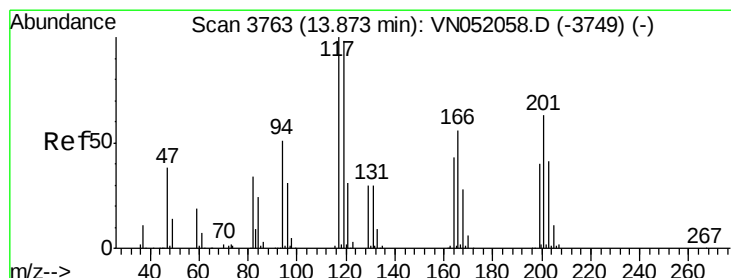
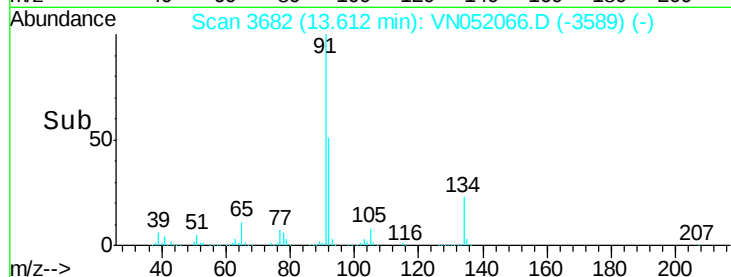
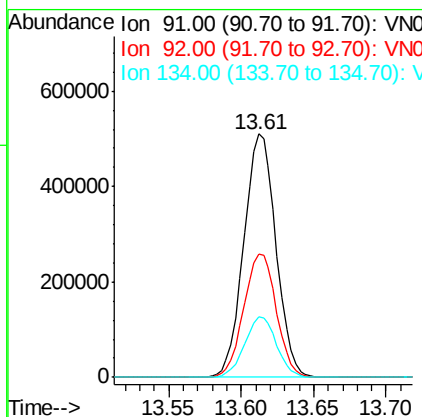
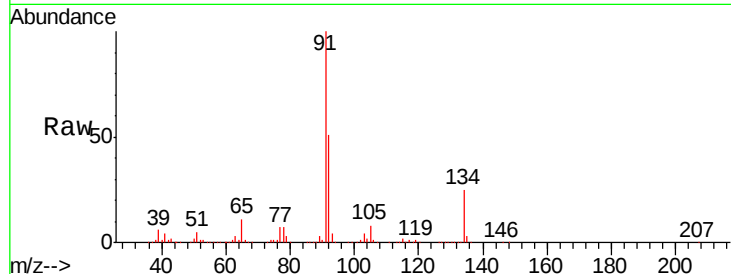
#89
n-Butylbenzene
Concen: 49.44 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.3	75.8
134	24.8	11.2	33.5

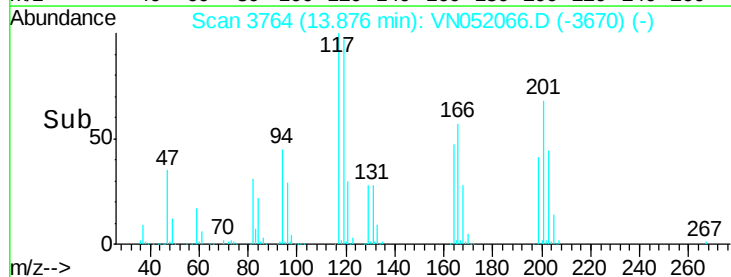
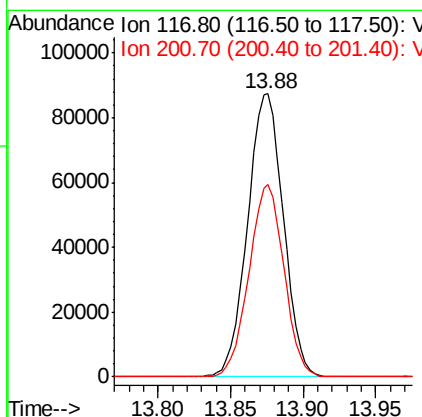
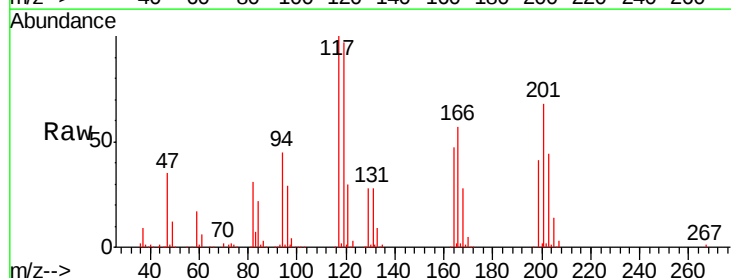
Manual Integrations
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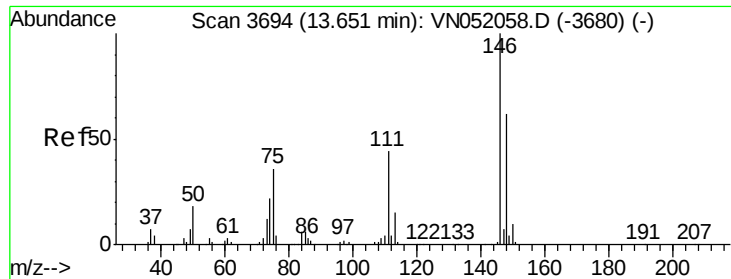
MMDadoda
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#90
Hexachloroethane
Concen: 52.58 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052066.D
Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.3	31.1	93.5





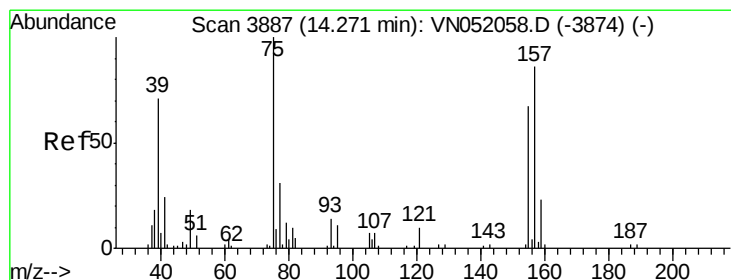
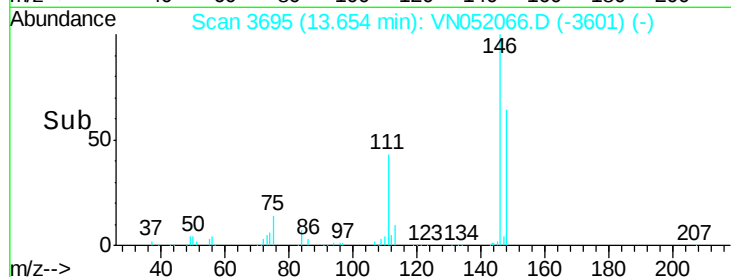
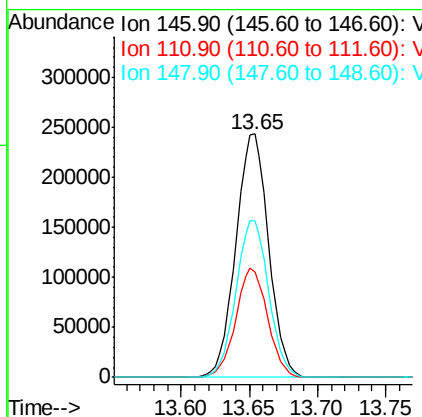
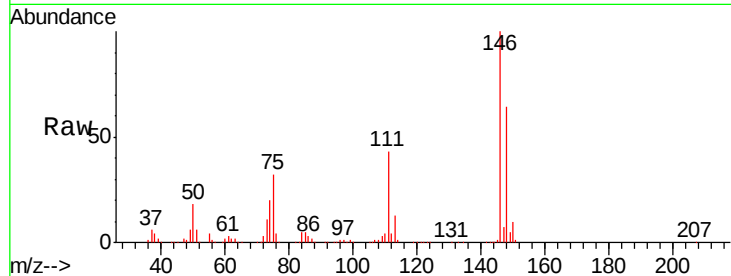
#91
 1,2-Dichlorobenzene
 Concen: 53.86 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.5	67.5
148	64.2	30.9	92.8

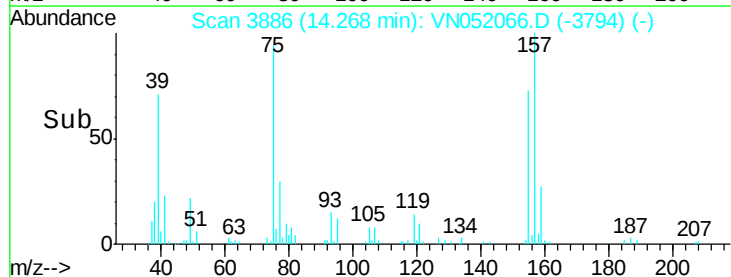
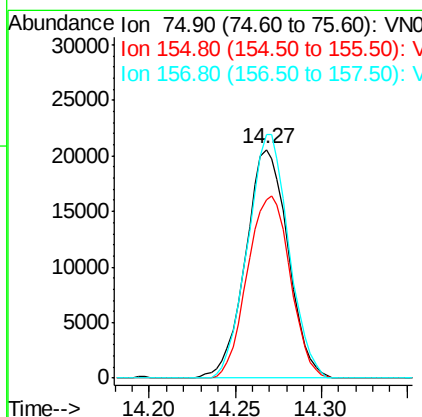
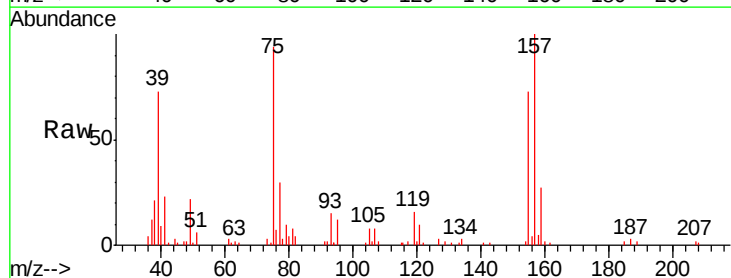
Manual Integrations
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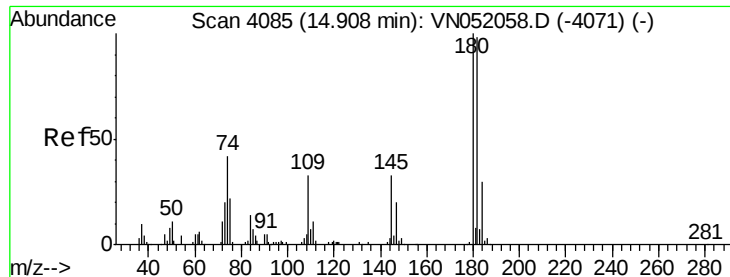
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.50 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	34.0	102.0
157	103.3	42.1	126.4





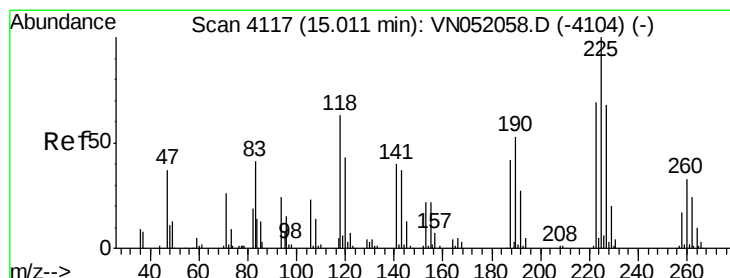
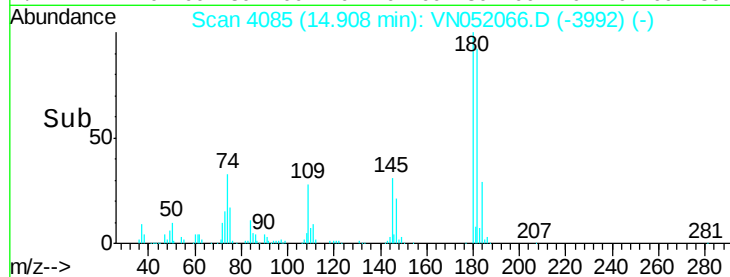
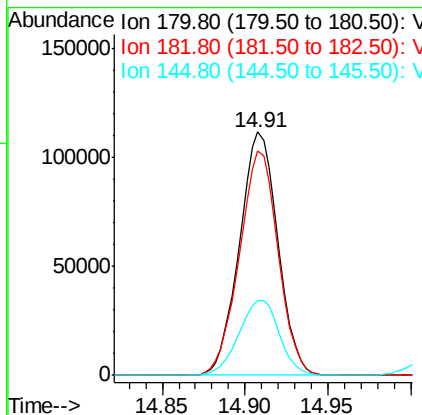
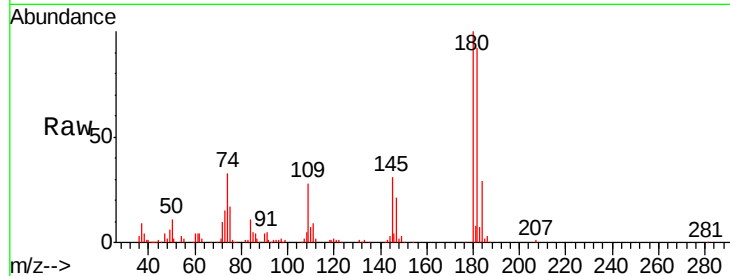
#93
 1,2,4-Trichlorobenzene
 Concen: 64.02 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	179400		
182	92.9	49.1	147.4	
145	32.4	16.4	49.2	

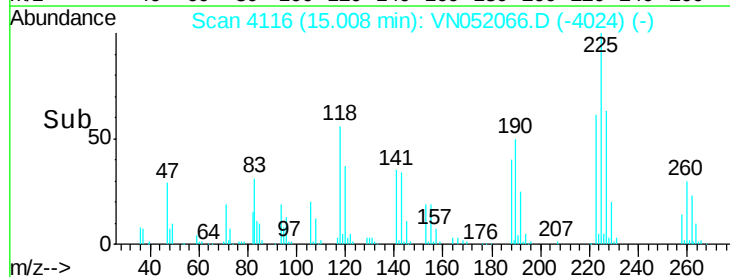
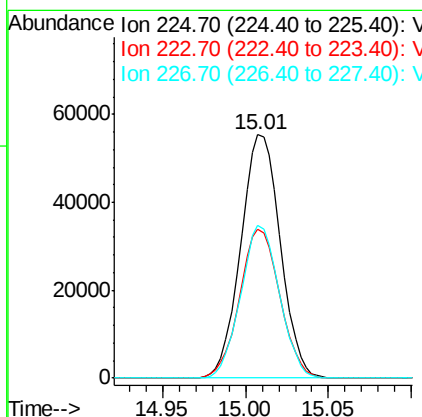
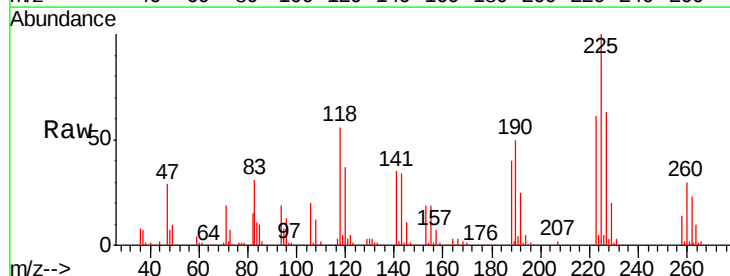
Manual Integrations
 APPROVED

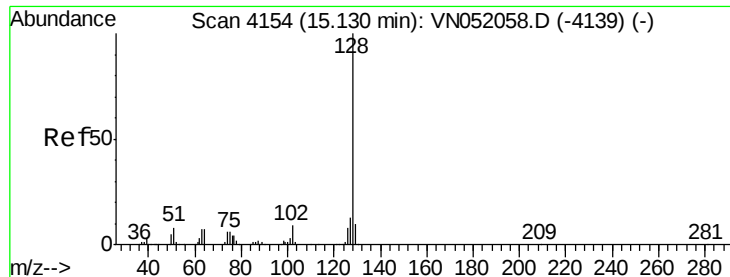
MMDadoda
 11/2/2018 1:11:01 PM



#94
 Hexachlorobutadiene
 Concen: 58.54 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052066.D
 Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91809		
223	62.2	33.1	99.3	
227	61.5	32.6	97.8	





#95

Naphthalene

Concen: 63.06 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Instrument :

MSVOA_N

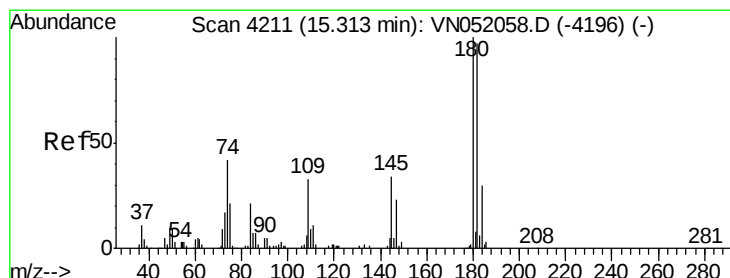
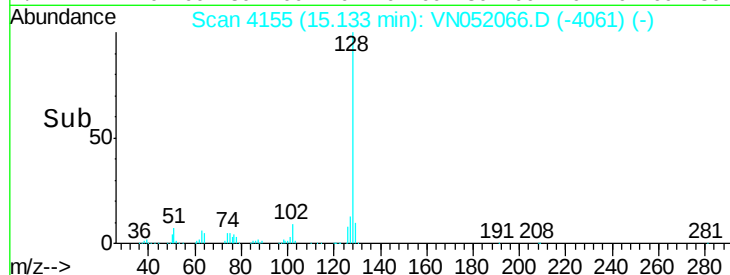
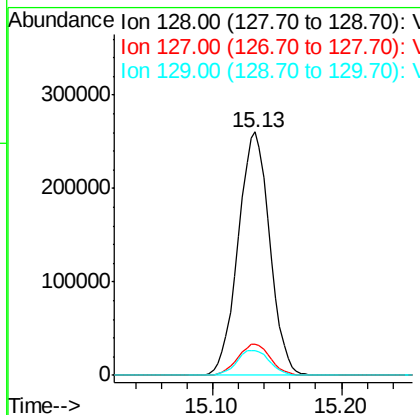
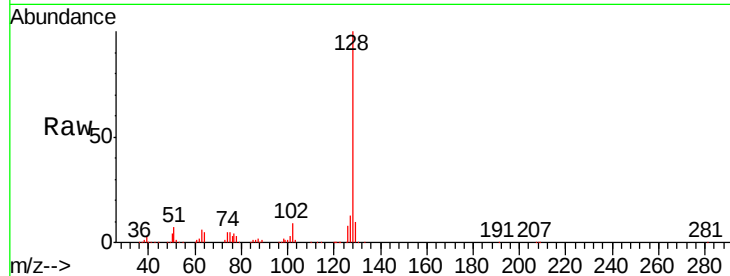
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	443260		
127	13.3	10.5	15.7	
129	10.6	8.6	12.8	

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 63.98 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052066.D

Acq: 31 Oct 2018 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	154728		
182	93.8	47.2	141.6	
145	33.3	16.6	49.7	

